SECTION I

PUBLISHED INTERNATIONAL APPLICATIONS

DEMANDES INTERNATIONALES PUBLIÉES

(51) **Not classified / non classée**

(11) **WO 99/53742** (13) A2

(21) PCT/CH99/00379

(22) **17 Aug/août 1999 (17.08.1999)**

(25) de (26) de

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HEARING AID ADAPTING DEVICE
• SYSTEME D'ADAPTATION POUR APPAREIL AUDITIF

(71) **PHONAK AG** [CH/CH]; Laubisrütistrasse 28, CH–8712 Stäfa (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GREMINGER, Michael** [CH/CH]; Säntisstrasse 11, CH–8008 Zürich (CH).

(74) **TROESCH SCHEIDEGGER WERNER AG**; Siewerdtstrasse 95, Postfach, CH–8050 Zürich (CH).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51) **Not classified / non classée**

(11) **WO 99/53743** (13) A2

(21) PCT/US99/08658

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,503 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 60/124,805 **15 Mar/mar 1999** US **(15.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL GENES AND METHODS THAT MODULATE APOPTOSIS
• NOUVEAUX GENES ET METHODES MODULANT L'APOPTOSE

(71) **THE TRUSTEES OF BOSTON UNIVERSITY** [US/US]; 147 Bay State Road, Boston, MA 02215 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROTHSTEIN, Thomas, L.** [US/US]; 40 Royce Road, Newton, MA 02159 (US). **SCHNEIDER, Thomas, J.** [US/US]; 41 Clark Avenue, Walpole, MA 02081 (US). **DONOHOE, Terrence, J.** [US/US]; 69 Putnam Street, East Boston, MA 02128 (US).

(74) **CARROLL, Peter, G.** et al. / etc.; Medlen & Carroll, LLP, Suite 2200, 220 Montgomery Street, San Francisco, CA 94104 (US).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(h)*

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(51)[6] **A01G 9/14**

(11) **WO 99/53744** (13) A1

(21) PCT/JP98/04364

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) ja (26) ja

(30) 10/106148 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FIXING MEMBER OF GREENHOUSE PLASTIC FILM AND METHOD OF SPREADING THE FILM
• FIXATION POUR FILM PLASTIQUE DE SERRE ET PROCEDE D'ETALEMENT

(71) **KABUSHIKI KAISHA SEIWA** [JP/JP]; 6–1, Hacchobori 1–chome, Chuo–ku, Tokyo 104–0032 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARAI, Jin** [JP/JP]; Kabushiki Kaisha Seiwa Koganei Factory, 262–10, Shiba, Kokubunjimachi, Shimotsuga–gun, Tochigi 329–0412 (JP). **OIKAWA, Atsuhi** [JP/JP]; Kabushiki Kaisha Seiwa Koganei Factory, 262–10, Shiba, Kokubunjimachi, Shimotsuga–gun, Tochigi 329–0412 (JP).

(74) **SENDA, Minoru**; KB–6 Building, 3rd floor, 6, Sanbancho, Chiyoda–ku, Tokyo 102–0075 (JP).

(81) AU CA CN IL KR NZ RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A01G 9/24**

(11) **WO 99/53745** (13) A1

(21) PCT/BE99/00050

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 1008903 **16 Apr/avr 1998** NL **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GREENHOUSE
• SERRE

(71) **SURIA HOLDINGS, SOCIETE A RESPONSABILITE LIMITEE** [LU/LU]; 5, boulevard de la Foire, L–1528 Luxemburg (LU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VEN, Livien, Domien** [BE/BE]; Desguinlei 206, B–2018 Antwerpen (BE). **SUREDA, Michel** [ES/BE]; Te Boelaarlei 121, B–2140 Borgerhout (BE).

(74) **DEBRABANDERE, René**; Bureau de Rycker N.V., Arenbergstraat 13, B–2000 Antwerpen (BE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01G 13/06, A61H 33/12, A45D 1/02, 1/04, 6/06, 19/16, 20/08**

(11) **WO 99/53746** (13) A1

(21) PCT/US99/08518

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,539 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIPLE HAIR SETTING ROLLER HEATING AND FACIAL STEAMING APPARATUS
• APPAREIL A BAIN DE VAPEUR POUR LE VISAGE PERMETTANT DE CHAUFFER DES ROULEAUX DE MISE EN PLIS

(71) **MADISON STAR, LLC** [US/US]; 12320 Green East Road, San Diego, CA 92128 (US).

(72) **STERN, Paule**; 12320 Green East Road, San Diego, CA 92128 (US).

(74) **FLANAGAN, John, R.**; Flanagan & Flanagan, P.O. Box 11300, Jackson Hole, WY 83002 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **A01G 17/06, 13/00, E06C 1/14, 1/18, E04G 1/32, E04H 17/00, 17/14**

(11) **WO 99/53747** (13) A1

(21) PCT/US99/08707

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,816 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/129,804 **6 Aug/août 1998 (06.08.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MODULAR INTERLOCKING SHRUB SHELTER AND METHOD OF ASSEMBLY
• ABRI D'ARBUSTES, MODULAIRE ET A MECANISME D'ACCROCHAGE, ET PROCEDE D'ASSEMBLAGE

(63) US 09/129,804 (CON) 6 Aug/août 1998 (06.08.1998)

(71, 72) **DEMATTIES, Irving, E.** [US/US]; 219 Palmer Avenue, Corinth, NY 12822–1213 (US).

(74) **YABLON, Jay, R.**; Law Office of Jay R. Yablon, 910 Northumberland Drive, Schenectady, NY 12309 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01G 23/08**

(11) **WO 99/53748** (13) A1

(21) PCT/FI98/00466

(22) **1 Jun/juin 1998 (01.06.1998)**

(25) fi (26) en

(30) 980880 **21 Apr/avr 1998 (21.04.1998)** FI

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR CUTTING TREES IN THE VICINITY OF A POWER LINE AND A TOPPING SAW
• PROCEDE D'ABATTAGE D'ARBRES A PROXIMITE D'UNE LIGNE DE TRANSPORT D'ENERGIE ET SCIE D'ECIMAGE

(71) **LÄNSITEC OY** [FI/FI]; P.O. Box 77, FIN–21530 Paimio (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AHVENLAMPI, Jorma** [FI/FI]; Sporentie 25, FIN–21530 Paimio (FI). **OKSANEN, Hannu** [FI/FI]; Sähköyhtiöntie 2–6 as. 17, FIN–21530 Paimio (FI).

(74) **PATENTTITOIMISTO KARI PIRHONEN OY**; P.O. Box 71, FIN–20101 Turku (FI).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

Published / Publiée : *(a)*

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(51)[6] **A01J 25/00, A23C 19/068**

(11) **WO 99/53749** (13) A1

(21) PCT/EP99/02507

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) TO98A000340 **22 Apr/avr 1998 (22.04.1998)** IT

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHOD FOR PRODUCING MOZZARELLA CHEESE
• DISPOSITIF ET PROCEDE DE PRODUCTION DE FROMAGE MOZZARELLA

(71, 72) **INVERSINI, Giovbattista** [IT/IT]; Via Razziche, 17, I–25047 Darfo Boario Terme (IT).

(74) **BUZZI, Franco** et al. / etc.; Buzzi, Notaro & Antonielli d'Oulx s.r.l., Corso Fiume, 6, I–10133 Torino (IT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01K 29/00**

(11) **WO 99/53750** (13) A1

(21) PCT/US99/08567

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,090 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SELF–ACTIVATED ACARICIDE APPLICATOR FOR CONTROLLING ECTOPARASITES ON ANIMALS
• APPLICATEUR D'ACARICIDE AUTOMATIQUE PERMETTANT DE LUTTER CONTRE LES ECTOPARASITES CHEZ LES ANIMAUX

(71) **THE BOARD OF GOVERNORS FOR HIGHER EDUCATION, STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS** [US/US]; 199 Promenade Street, Providence, RI 02908 (US).

(72) **ZHIOUA, Elyes**; 3 O'Keefe Drive, Wood River Junction, RI 02881 (US). **LEBRUN, Roger, A.**; 361 Waites Corner Road, West Kingston, RI 02892 (US). **ZAKI, Ahmed**; K7 Graduate Terrace, Kingston, RI 02881 (US). **BUTLER, David**; 130 Boston Neck Road, North Kingston, RI 02852 (US).

(74) **STEVENS, Richard, L.** et al. / etc.; Samuels, Gauthier & Stevens, Suite 3300, 225 Franklin Street, Boston, MA 02110 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01K 67/027, C12N 5/06, 5/10**

(11) **WO 99/53751** (13) A1

(21) PCT/EP99/02624

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9808325.6 **20 Apr/avr 1998 (20.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOURCE OF NUCLEI FOR NUCLEAR TRANSFER
• SOURCES DE NOYAUX POUR TRANSFERT NUCLEAIRE

(71) **CONSORZIO INCREMENTO ZOOTECNICO S.R.L.** [IT/IT]; Via Porcellasco, 7–f, I–26100 Cremona (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GALLI, Cesare** [IT/IT]; Via Persico, 191/G, I–26100 Cremona (IT). **LAZZARI, Giovanna** [IT/IT]; Via Persico, 191/G, I–26100 Cremona (IT).

(74) **WAKERLEY, Helen, Rachael**; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01K 85/18**

(11) **WO 99/53752** (13) A1

(21) PCT/SE99/00630

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) sv (26) en

(30) 9801440–0 **23 Apr/avr 1998** SE **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • KIT OF FISHING LURE PARTS FOR PRODUCTION OF DIFFERENT FISHING LURES
• KIT D'ELEMENTS CONSTITUTIFS DE LEURRES POUR PRODUIRE DIFFERENTS LEURRES DE PECHE

(71, 72) **LARSSON, Kaj** [SE/SE]; Kocktorpsvägen 1, S–194 53 Upplands Väsby (SE). **BERGSTRÖM, Alf** [SE/SE]; Aspvägen 4, S–137 37 Västerhaninge (SE).

(74) **SUNDSTRÖM, Per** et al. / etc.; Stenhagen Patentbyrå AB, P.O. Box 4630, S–116 91 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01M 7/00**

(11) **WO 99/53753** (13) A1

(21) PCT/FR99/00942

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) fr (26) fr

(30) 98/05210 **22 Apr/avr 1998** FR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUSPENSION DEVICE FOR SPRAYER BOOMS
• DISPOSITIF DE SUSPENSION POUR RAMPES DE PULVERISATEURS

(71) **KUHN–NODET S.A.** [FR/FR]; Zone industrielle, 30, rue de la Grande Haie, F–77876 Montereau (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GUESDON, Alain** [FR/FR]; 16, allée de la Madeleine, F–77123 Noisy sur Ecole (FR).

(74) **ANDRES, Jean–Claude**; Kuhn s.a., 4, impasse des Fabriques, F–67706 Saverne Cedex (FR).

(81) AU CA NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A01N 25/00**

(11) **WO 99/53754** (13) A1

(21) PCT/US99/07957

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/064,365 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBVERSION OF BACTERIAL RESISTANCE BY LOW SOLUBILITY ANTIBIOTICS
• SUPPRESSION DE LA RESISTANCE BACTERIENNE PAR DES ANTIBIOTIQUES A FAIBLE SOLUBILITE

(71) **KENT STATE UNIVERSITY** [US/US]; East Main and Lincoln Street, Kent, OH 44242 (US).

(72) **WOOLVERTON, Christopher, J.**; 624 N. Willow Street, Kent, OH 44242 (US). **MACPHEE, Martin, J.**; 9971 Lake Landing Road, Gaithersburg, MD 20886 (US). **DROHAN, William, N.**; 8417 Oakford Drive, Springfield, VA 22156 (US).

(74) **WEBER, Ray, L.** et al. / etc.; Renner, Kenner, Greive, Bobak, Taylor & Weber, 1610 First National Tower, Akron, OH 44308 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 25/30**

(11) **WO 99/53755** (13) A1

(21) PCT/US99/08839

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,667 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HORTICULTURAL COMPOSITIONS COMPRISING AMPHOTERIC POLYMERS AND METHODS OF UTILIZING THE HORTICULTURAL COMPOSITIONS
• COMPOSITIONS HORTICOLES COMPORTANT DES POLYMERES AMPHOTERES ET PROCEDES D'UTILISATION DE TELLES COMPOSITIONS

(71, 72) **IPPOLITI, Joseph, Thomas** [US/US]; 2115 Summit Avenue, St. Paul, MN 55105–1096 (US).

(74) **KAGAN, David, B.**; Faegre & Benson, LLP., 2200 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 37/00, 43/04, A61K 31/19, 31/70**

(11) **WO 99/53756** (13) A1

(21) PCT/US99/07923

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/062,199 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRE–OPERATIVE BEVERAGE COMPOSITION AND METHOD OF TREATMENT
• COMPOSITION DE BOISSON PREOPERATOIRE ET TRAITEMENT

(71) **OHANA MEDICAL CONCEPTS, LLC** [US/US]; 4610 Rancho Reposo, Del Mar, CA 92014 (US).

(72) **MARSH, Lou, M.**; 4610 Rancho Reposo, Del Mar, CA 92014 (US).

(74) **SAMPLES, Kenneth, H.** et al. / etc.; Fitch, Even, Tabin & Flannery, Room 1600, 120 South LaSalle, Chicago, IL 60603 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **A01N 37/18, A61K 39/00, C12P 21/04, G01N 33/53**

(11) **WO 99/53757** (13) A1

(21) PCT/US99/08774

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,643 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AUTOANTIGENIC FRAGMENTS, METHODS AND ASSAYS
• FRAGMENTS AUTO–ANTIGENES, METHODES ET DOSAGES

(71) **MERCK & CO., INC.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **JOHNS HOPKINS UNIVERSITY** [US/US]; 720 Rutland Avenue, Baltimore, MD 21205 (US). **MERCK FROSST CANADA & CO.** [CA/CA]; 16711 Trans–Canada Highway, Kirkland, Quebec H9H 3L1 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **THORNBERRY, Nancy** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **ROSEN, Antony** [US/US]; 720 Rutland Avenue, Baltimore, MD 21205 (US). **CASCIOLA–ROSEN, Livia** [US/US]; 720 Rutland Avenue, Baltimore, MD 21205 (US). **ANDRADE, Felipe, A.** [US/US]; 720 Rutland Avenue, Baltimore, MD 21205 (US). **NICHOLSON, Donald** [CA/CA]; 16711 Trans–Canada Highway, Kirkland, Quebec H9H 3L1 (CA). **ROY, Sophie** [CA/CA]; 16711 Trans–Canada Highway, Kirkland, Quebec H9H 3L1 (CA).

(74) **MERCK & CO., INC.**; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).

(81) AE AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 43/08, 43/10, 43/36, 43/40, 25/02**

(11) **WO 99/53758** (13) A1

(21) PCT/JP99/02005

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/106120 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PESTICIDES AND VETERINARY DRUGS CONTAINING AROMATIC KETONE COMPOUNDS
• PESTICIDES ET MEDICAMENTS VETERINAIRES CONTENANT DES COMPOSES AROMATIQUES DE CETONE

(71) **SHIONOGI & CO., LTD.** [JP/JP]; 1–8, Doshomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0045 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAYASE, Yoshio** [JP/JP]; 14–177, Mizuhodai, Kameyama–shi, Mie 519–0105 (JP). **MIKI, Nobuo** [JP/JP]; 1406–18, Minamizakura, Yasu–cho, Yasu–gun, Shiga 520–2322 (JP). **OHBA, Katsuaki** [JP/JP]; 620–13, Oaza Kibukawa, Minakuchi–cho, Koka–gun, Shiga 528–0049 (JP).

(74) **YAMAUCHI, Hideaki**; Shionogi & Co., Ltd., Patent Dept., 12–4, Sagisu 5–chome, Fukushima–ku, Osaka–shi, Osaka 553–0002 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 43/90, 59/02 // (A01N 43/90, 59:02, 47:14, 37:34, 25:00) (A01N 59/02, 43:90, 47:14, 37:34, 25:00)**

(11) **WO 99/53759** (13) A1

(21) PCT/US99/07748

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/064,560 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR CONTROLLING ROOT GROWTH USING DIQUAT BROMIDE
• PROCEDE PERMETTANT D'ENRAYER LA POUSSE DES RACINES A L'AIDE DE BROMURE DE DIQUAT

(71, 72) **MALAVENDA, Anthony** [US/US]; 28 Cross Road, Dewitt, NY 13224 (US). **DUKE, Kevin** [US/US]; 6976 East Seneca Turnpike, Jamesville, NY 13078 (US).

(74) **KOLE, Lisa, B.**; Baker & Botts, LLP, 30 Rockefeller Plaza, New York, NY 10112–0228 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 55/02, 59/26, 43/38, 47/18, 43/707, 43/78, 25/22, 25/24**

(11) **WO 99/53760** (13) A1

(21) PCT/NZ99/00045

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 330219 **17 Apr/avr 1998** NZ **(17.04.1998)**

(30) 330982 **14 Jul/juil 1998** NZ **(14.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A BIOCIDAL COMPOSITION CONTAINING PHOSPHITE IONS
• COMPOSITION BIOXYDE CONTENANT DES IONS PHOSPHITE

(71) **MATTERSMITHS HOLDINGS LIMITED** [NZ/NZ]; 35 Renoir Street, West Harbour, Auckland (NZ).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MAYNARD, Nigel, Paul** [NZ/NZ]; 35 Renoir Street, West Harbour, Auckland (NZ).

(74) **CALHOUN, Douglas, C.** et al. / etc.; A. J. Park & Son, Huddart Parker Building, 6th floor, Post Office Square, P.O. Box 949, Wellington 6015 (NZ).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 61/00, 59/26, 57/12, 43/16 // (A01N 59/26, 65:00, 63:04, 63:02, 61:00, 43:82, 43:16, 37:46, 37:40) (A01N 57/12, 65:00, 63:04, 63:02, 61:00, 43:82, 43:16, 37:46, 37:40) (A01N 43/16, 61:00, 43:82, 37:40)**

(11) **WO 99/53761** (13) A1

(21) PCT/FR99/00844

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) fr (26) fr

(30) 98/05043 **16 Apr/avr 1998** FR **(16.04.1998)**

(30) 99/01811 **11 Feb/fév 1999** FR **(11.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL USE OF ANTIFUNGAL AND/OR ANTIBACTERIAL AND/OR ANTIVIRAL COMPOUNDS
• NOUVELLE UTILISATION DE COMPOSES ANTIFONGIQUES ET/OU ANTIBACTERIENS ET/OU ANTIVIRAUX

(71) **RHONE–POULENC AGRO** [FR/FR]; 14–20, rue Pierre Baizet, F–69009 Lyon (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRITIG, Bernard** [FR/FR]; 6, rue du Hohwald, F–67460 Sauffelwegersheim (FR). **KOPP, Marguerite** [FR/FR]; 2, chemin du Riesling, F–67120 Wolxheim (FR). **SAINDRENAN, Patrick** [FR/FR]; 28, rue de Bruxelles, F–67000 Strasbourg (FR). **LATORSE, Marie–Pascale** [FR/FR]; Le Jannot, F–69210 Sourcieux les Mines (FR). **LABOURDETTE, Gilbert** [FR/FR]; Bâtiment C, 203, résidence Notre Dame, F–71600 Paray le Monial (FR).

(74) **RHONE–POULENC AGRO**; Boîte postale 9163, F–69263 Lyon Cedex 09 (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 63/00, C07H 21/02, A61K 38/00, G01N 33/53**

(11) **WO 99/53762** (13) A1

(21) PCT/US99/08213

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,089 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR EFFICIENT AND HIGHLY SELECTIVE CONTROL OF MICROORGANISMS
• PROCEDE D'ELIMINATION DE MICRO–ORGANISMES, HAUTEMENT SELECTIF ET EFFICACE

(71) **MICROBIA, INC.** [US/US]; 840 Memorial Drive, Cambridge, MA 02139 (US).

(72) **MILNE, G., Todd**; 30 Kenwood Street, Brookline, MA 02146 (US). **FINK, Gerald, R.**; 40 Aston Road, Chestnut Hill, MA 02167 (US).

(74) **CLARK, Paul, T.**; Clark & Elbing LLP, 176 Federal Street, Boston, MA 02110–2214 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 65/00**

(11) **WO 99/53763** (13) A1

(21) PCT/IN99/00011

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) en (26) en

(30) 827/Mas/98 **17 Apr/avr 1998** IN **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN ENVIRONMENT FRIENDLY ACARICIDE FORMULATION
• FORMULATION ACARICIDE SANS DANGER POUR L'ENVIRONNEMENT

(71, 72) **SUBBA RAO, Pillarisetti, Venkata** [IN/IN]; 41/3, 13th Cross, Malleswaram, Bangalore 560 003 (IN). **ANNADURAI, Ramasamy, Sambasivam** [IN/IN]; 1840, 10th Main Road, 34th Cross, Banshankari II Stage, Bangalore 560 070 (IN). **SRINIVAS, Malladi** [IN/IN]; 319, IC Cross, II Phase, 6th Block, Banshankari III Stage, Bangalore 560 085 (IN).

(74) **ANAND, Pravin** et al. / etc.; Anand & Anand Advocates, B–41, Nizammuddin East, New Delhi 110 013 (IN).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A01N 65/00, 31/04, 31/06, 31/02**

(11) **WO 99/53764** (13) A2

(21) PCT/NZ99/00047

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 330283 **21 Apr/avr 1998** NZ **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVEMENTS IN HERBICIDES
• AMELIORATIONS APPORTEES A DES HERBICIDES

(71) **ORGANIC INTERCEPTOR PRODUCTS LIMITED** [NZ/NZ]; 10 College Hill, Ponsonby 1001 (NZ).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **INNES, Rodney, Mitchell** [NZ/NZ]; 'Innes Heights', 25 State Highway, Te Kouma 2851 (NZ).

(74) **SIMS, Anthony, W.**; 29 Clarence Street, Private Bag 3140, Hamilton 2001 (NZ).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A21B 3/13**

(11) **WO 99/53765** (13) A1

(21) PCT/FR99/00892

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fr (26) fr

(30) 98/04762 **16 Apr/avr 1998** FR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR COOKING PREPARATIONS TO BE OVEN–BAKED AND BAKERY PAN FOR IMPLEMENTING SAID METHOD
• PROCEDE DE CUISSON DE PREPARATIONS A CUIRE AU FOUR ET MOULE POUR LA MISE EN OEUVRE DUDIT PROCEDE

(71, 72) **BOUTON–HUGUES, Philippe** [FR/FR]; 11, rue des Fusillés, F–45240 Marcilly en Vilette (FR).

(74) **BREESE, Pierre**; Breese–Majerowicz, 3, avenue de l'Opéra, F–75001 Paris (FR).

(81) CA CN IL JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A21B 7/00, H05B 6/68**

(11) **WO 99/53766** (13) A1

(21) PCT/GB99/01172

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,296 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED FOOD APPLIANCE AND A CODING SYSTEM THEREFOR
• APPAREIL DE CUISINE AMELIORE ET SYSTEME DE CODAGE AFFERENT

(71) **FREED, Arthur, Woolf** [GB/GB]; Chancery House, 53/64 Chancery Llane, London WC2A 1QU (GB).
(only for / seulement pour MG)

(71, 72) **YUNG, Simon, Kwok, Choi** [CN/CN]; 6 Purves Road, Jardine's Lookout, Hong Kong (CN).

(74) **FREED, Arthur, Woolf**; Reginald W. Barker & Co., Chancery House, 53/64 Chancery Lane, London WC2A 1QU (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A21B 7/00**

(11) **WO 99/53767** (13) A1

(21) PCT/GB99/01179

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,591 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BREADMAKER WITH IMPROVED TEMPERATURE AND HUMIDITY CONTROL
• PERFECTIONNEMENT DE LA REGULATION DE LA TEMPERATURE ET DE L'HUMIDITE DANS UN ROBOT BOULANGER DE MENAGE

(71) **FREED, Arthur, Woolf** [GB/GB]; Chancery House, 53/64 Chancery Lane, London WC2A 1QU (GB).
(only for / seulement pour MG)

(71, 72) **YUNG, Simon, K., C.** [CN/CN]; 6 Purves Road, Jardine's Lookout, Hong Kong (CN).

(74) **FREED, Arthur, Woolf**; Reginald Barker & Co., Chancery House, 53/64 Chancery Lane, London WC2A 1QU (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A21D 6/00, 10/02, A23F 1/22, 3/00, A47J 31/00, B65B 29/02**

(11) **WO 99/53768** (13) A1

(21) PCT/US99/02163

(22) **1 Feb/fév 1999 (01.02.1999)**

(25) en (26) en

(30) 60/082,053 **16 Apr/avr 1998** US **(16.04.1998)**

(30) 60/103,674 **9 Oct/oct 1998** US **(09.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FOOD AND BEVERAGE MAKING SYSTEM
• SYSTEME DE FABRICATION D'ALIMENTS ET DE BOISSONS

(71, 72) **POLICAPPELLI, Nini** [IT/US]; 361 North Robertson Boulevard, Los Angeles, CA 90048 (US).

(74) **BERMAN, Charles**; Merchant, Gould, Smith, Edell, Welter & Schmidt, Suite 400, 11150 Santa Monica Boulevard, Los Angeles, CA 90025–3395 (US).

(81) BR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A21D 8/04, 2/26**

(11) **WO 99/53769** (13) A1

(21) PCT/DK99/00185

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 0543/98 **20 Apr/avr 1998** DK **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PREPARATION OF DOUGH AND BAKED PRODUCTS
• PREPARATION DE PATE ET DE PRODUITS DE BOULANGERIE

(71) **NOVO NORDISK A/S** [DK/DK]; Corporate Patents, Novo Allé, DK–2880 Bagsværd (DK).

(72) **SPENDLER, Tina**; Novo Nordisk A/S, Novo Allé, DK–2880 Bagsværd (DK). **NILSSON, Lone**; Novo Nordisk A/S, Novo Allé, DK–2880 Bagsværd (DK). **FUGLSANG, Claus, Crone**; Novo Nordisk A/S, Novo Allé, DK–2880 Bagsværd (DK).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A22C 11/02**

(11) **WO 99/53770** (13) A1

(21) PCT/JP99/02024

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 09/061,277 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR MANUFACTURING FOOD SUCH AS CHAINED SAUSAGE
• PROCEDE ET DISPOSITIF POUR FABRIQUER UN ALIMENT TEL QU'UNE SAUCISSE EN CHAINE

(71) **HITEC CO., LTD.** [JP/JP]; 2565–8, Nagatsuta–cho, Midori–ku, Yokohama–shi, Kanagawa 226–0026 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKAMURA, Minoru** [JP/JP]; Hitec Co., Ltd., 2565–8, Nagatsuta–cho, Midori–ku, Yokohama–shi, Kanagawa 226–0026 (JP). **KASAI, Minoru** [JP/JP]; Hitec Co., Ltd., 2565–8, Nagatsuta–cho, Midori–ku, Yokohama–shi, Kanagawa 226–0026 (JP). **ARAI, Hideaki** [JP/JP]; Hitec Co., Ltd., 2565–8, Nagatsuta–cho, Midori–ku, Yokohama–shi, Kanagawa 226–0026 (JP).

(74) **TAKADA, Takeshi**; Hanabusa Building, 3rd floor, 12–6, Minamiaoyama 5–chome, Minato–ku, Tokyo 107–0062 (JP).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A22C 25/04, B07B 13/00 // A22C 29/00**

(11) **WO 99/53771** (13) A1

(21) PCT/IS99/00008

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 4724 **22 Apr/avr 1998** IS **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN APPARATUS AND A METHOD FOR SEPARATING PARTICULAR OBJECTS FROM A MIXTURE OF OBJECTS
• APPAREIL ET PROCEDE DE SEPARATION D'OBJETS PARTICULIERS D'UN MELANGE D'OBJETS

(71, 72) **GUNNARSSON, Omar** [IS/IS]; Mariubakka 32, IS–109 Reykjavik (IS).

(74) **A & P EINKALEYFI EHF.**; Intellectual Property Group, Borgartuni 24, IS–105 Reykjavik (IS).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A23C 9/14, A23K 1/18, 1/175, A23L 1/20, 1/30**

(11) **WO 99/53772** (13) A1

(21) PCT/US99/08426

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,134 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITIONS FOR REMOVAL OF MYCOTOXINS FROM FEED
• COMPOSITIONS PERMETTANT D'ELIMINER LES MYCOTOXINES DANS LES ALIMENTS POUR ANIMAUX

(71) **ALLTECH, INC.** [US/US]; 3031 Catnip Hill Pike, Nicholasville, KY 40356 (US).

(72) **HOWES, A., Dean**; 15086 Lake Avenue, Nanpa, ID 83651 (US). **NEWMAN, Kyle, E.**; 710 Shiloh Road, Corinth, KY 41010 (US).

(74) **SCHICKLI, Warren, D.** et al. / etc.; King and Schickli, Suite 210, 3070 Harrodsburg Road, Lexington, KY 40503 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A23C 19/076**

(11) **WO 99/53773** (13) A1

(21) PCT/SE99/00620

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9801362–6 **20 Apr/avr 1998** SE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR THE PRODUCTION OF FRESH CHEESE
• PROCEDE DE PRODUCTION DE FROMAGE FRAIS

(71) **TETRA LAVAL HOLDINGS & FINANCE S.A.** [CH/CH]; Avenue Général–Guisan 70, CH–1009 Pully (CH). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **ALTAMIRANO, José, V.** [ES/ES]; Paseo Imperial 81, 2B, E–28005 Madrid (ES). **BREDAHL, Börje** [SE/NL]; Smeetsmastins 138, NL–8925 GW Leeuwarden (NL). **LEUFSTEDT, Göran** [SE/SE]; Svenska vägen 67, S–226 39 Lund (SE). **NILSSON, Lars–Ebbe** [SE/SE]; Råkvägen 17, S–237 36 Bjärred (SE).

(74) **BRUNNSTRÖM, Gunilla**; AB Tetra Pak, Patent Dept., Ruben Rausings gata, S–221 86 Lund (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A23G 3/00**

(11) **WO 99/53774** (13) A1

(21) PCT/JP99/01850

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) ja (26) ja

(30) 10/107350 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STARCH–BASED PUFFED SNACK FOODS AND PROCESS FOR PRODUCING THE SAME
• "AMUSE–GUEULE" SOUFFLES A BASE D'AMIDON ET LEUR PROCEDE DE PRODUCTION

(71) **MEIJI SEIKA KAISHA, LTD.** [JP/JP]; 4–16, Kyobashi 2–chome, Chuou–ku, Tokyo 104–0031 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **AKIMOTO, Shuji** [JP/JP]; Food Research and Development Labs., Meiji Seika Kaisha, Ltd., 3–1, Chiyoda 5–chome, Sakado–shi, Saitama 350–0214 (JP). **HAMADA, Hajime** [JP/JP]; Food Research and Development Labs., Meiji Seika Kaisha, Ltd., 3–1, Chiyoda 5–chome, Sakado–shi, Saitama 350–0214 (JP). **HACHIYA, Iwao** [JP/JP]; Food Research and Development Labs., Meiji Seika Kaisha, Ltd., 3–1, Chiyoda 5–chome, Sakado–shi, Saitama 350–0214 (JP).

(74) **SASAKI, Isao** et al. / etc.; Sasaki, Kawamura & Associates, Toranomon Sangyo Building 6F, 2–29, Toranomon 1–chome, Minato–ku, Tokyo 105–0001 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A23K 1/00, 1/18**

(11) **WO 99/53775** (13) A1

(21) PCT/US99/08319

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,067 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROPIONIBACTERIUM P–63 FOR USE IN DIRECT FED MICROBIALS FOR ANIMAL FEEDS
• BACTERIE PROPIONIQUE P–63 UTILISEE DANS DES COMPOSITIONS MICROBIENNES POUR ALIMENTATION DIRECTE DESTINEES AUX ALIMENTS POUR ANIMAUX

(71) **THE BOARD OF REGENTS FOR OKLAHOMA STATE UNIVERSITY** [US/US]; Oklahoma State University, 305 Whitehurst, Stillwater, OK 74078 (US).

(72) **REHBERGER, Thomas**; 8422 Jackson Park Boulevard, Milwaukee, WI 53226 (US). **PARROTT, Terry, D.**; 929 Rosemary Street, Waukesha, WI 53186 (US). **OWENS, Fred, C.**; 5004 Brookview Drive, West Des Moines, IA 50265 (US). **HIBBERD, Charles, A.**; 3317 16th Avenue, Scottsbluff, NE 69361 (US).

(74) **WEEKS, R., Alan**; Fellers, Snider, Blankenship, Bailey & Tippens, P.C., Suite 800, 321 South Boston Avenue, Tulsa, OK 74103–3318 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A23L 1/164**

(11) **WO 99/53776** (13) A1

(21) PCT/US99/06548

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,407 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTI–DENSITY CEREAL PRODUCT
• PRODUIT MULTI–DENSITE A BASE DE CEREALES

(71, 72) **GLASER, Lawrence, F.** [US/US]; 10705 Averett Drive, Fairfax Station, VA 22039 (US).

(74) **ROBINSON, Eric, J.**; Sixbey, Friedman, Leedom & Ferguson, P.C., Suite 800, 8180 Greensboro Drive, McLean, VA 22102 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A23L 1/308, 1/30, 1/305**

(11) **WO 99/53777** (13) A1

(21) PCT/EP99/02668

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808579.8 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NUTRITIONAL SUPPLEMENT FOR PREGNANT AND LACTATING WOMEN
• COMPLEMENT NUTRITIONNEL POUR FEMMES ENCEINTES ET ALLAITANTES

(71) **NOVARTIS NUTRITION AG** [CH/CH]; Monbijoustrasse 118, CH–3001 Bern (CH). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **LUSTENBERGER, Alice** [CH/CH]; Murtenstrasse 226, CH–3207 Bern (CH). **CLAYTON, Diane, Elizabeth** [GB/CH]; Au Charmin, CH–1648 Hauteville (CH).

(74) **SMOLDERS, Walter**; Novartis AG, Corporate Intellectual Property, Patent & Trademark Dept., CH–4002 Basel (CH).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **A24D 1/00, A24F 13/00, A24D 1/02**

(11) **WO 99/53778** (13) A2

(21) PCT/CA99/00334

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,222 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CIGARETTE SIDESTREAM SMOKE TREATMENT MATERIAL
• MATIERE DE TRAITEMENT DE LA FUMEE SECONDAIRE DE CIGARETTE

(71) **ROTHMANS, BENSON & HEDGES INC.** [CA/CA]; 1500 Don Mills Road, North York, Ontario M3B 3L1 (CA).

(72) **BOWEN, Larry**; R.R. #2, Orangeville, Ontario L9W 2Y9 (CA). **SNAIDR, Stanislav, M.**; 4155 Sharonton Court, Mississauga, Ontario L5L 1Y9 (CA). **BECKER, E., Robert**; 808 Maple Glen Lane, Wayne, PA 19087 (US). **BRACKMANN, Warren, A.**; R.R. #1, Box 137, Highway 54 and J, Collins, MO 64738 (US).

(74) **WOODLEY, John, H.**; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R7 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A41C 1/00, 3/00, 1/06, A41D 7/00, A41B 9/04, D04B 21/18, 21/00**

(11) **WO 99/53779** (13) A1

(21) PCT/JP99/01098

(22) **5 Mar/mar 1999 (05.03.1999)**

(25) ja (26) ja

(30) 10/112174 **22 Apr/avr 1998** JP **(22.04.1998)**

(30) 10/350490 **9 Dec/déc 1998** JP **(09.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CLOTHES WITH BODY SHAPE CORRECTING FUNCTION OR MUSCLE SUPPORTING FUNCTION
• VETEMENTS POSSEDANT UNE FONCTION DE CORRECTION D'UNE FORME CORPORELLE OU UNE FONCTION DE SOUTIEN MUSCULAIRE

(71) **WACOAL CORP.** [JP/JP]; 29, Nakajimacho, Kisshoin, Minami–ku, Kyoto–shi, Kyoto 601–8530 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **NISHIYAMA, Naruo** [JP/JP]; Wacoal Corp., 29, Nakajimacho, Kisshoin, Minami–ku, Kyoto–shi, Kyoto 601–8530 (JP). **OYA, Kei** [JP/JP]; Wacoal Corp., 29, Nakajimacho, Kisshoin, Minami–ku, Kyoto–shi, Kyoto 601–8530 (JP). **TAKAGI, Eiko** [JP/JP]; Wacoal Corp., 29, Nakajimacho, Kisshoin, Minami–ku, Kyoto–shi, Kyoto 601–8530 (JP). **ISHIMOTO, Yasuo** [JP/JP]; Asahi Maqam Inc., 35–3–1, Etomenaka, Haruecho, Sakai–gun, Fukui 919–0412 (JP).

(74) **IKEUCHI, Hiroyuki** et al. / etc.; Umeda Plaza Building, Suite 401, 3–25, Nishitenma 4–chome, Kita–ku, Osaka–shi, Osaka 530–0047 (JP).

(81) CN ID KR SG US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A41C 3/00**

(11) **WO 99/53780** (13) A1

(21) PCT/US99/02929

(22) **10 Feb/fév 1999 (10.02.1999)**

(25) en (26) en

(30) 09/064,119 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACTIVE–WEAR GARMENT
• VETEMENT DE SOUTIEN ACTIF

(71, 72) **FLEISCHMAN–AMENT, Edie** [US/US]; Apartment 2C, 2814 Dundee Road, Northbrook, IL 60062 (US).

(72, 75) **KRUEGER, Susan, K.** [US/US]; 1755 N. Damen Avenue, Chicago, IL 60647 (US).

(74) **SAMPLES, Kenneth, H.** et al. / etc.; Fitch, Even, Tabin & Flannery, Room 1600, 120 South LaSalle, Chicago, IL 60603 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A41C 3/02**

(11) **WO 99/53781** (13) A1

(21) PCT/JP99/02106

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/112421 **22 Apr/avr 1998** JP **(22.04.1998)**

(30) 11/17817 **27 Jan/jan 1999** JP **(27.01.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BRASSIERE
• SOUTIEN–GORGE

(71) **YUGEN KAISHA PETIT BOIS** [JP/JP]; 9–16, Chuo 2–chome, Ueda–shi, Nagano 386–0012 (JP). **BRIGHT EYES CO., LTD.** [JP/JP]; 9–16, Chuo 2–chome, Ueda–shi, Nagano 386–0012 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **KOBAYASHI, Mitsue** [JP/JP]; 603, 13–11, Chuo 2–chome, Ueda–shi, Nagano 386–0012 (JP). **KATO, Hitomi** [JP/JP]; 14–17, Oizumigakuencho, 6–chome, Nerima–ku, Tokyo 178–0061 (JP).

(74) **WATANUKI, Takao**; Watanuki Patent Service Bureau, CreA Center Building, 12–9, Nakagosho 3–chome, Nagano–shi, Nagano 380–0935 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A41D**

(11) **WO 99/53782** (13) A2

(21) PCT/US98/21702

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(30) 08/949,836 **14 Oct/oct 1997** US **(14.10.1997)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BLUNT FORCE RESISTANT STRUCTURE FOR A PROTECTIVE GARMENT
• STRUCTURE RESISTANT AUX FORCES PRODUITES PAR DES COUPS POUR VETEMENT PROTECTEUR

(71) **SECOND CHANCE BODY ARMOR, INC.** [US/US]; 7919 Cameron Street, Central Lake, MI 49622 (US).

(72) **BACHNER, Thomas, E., Jr.**; 3020 Torch Pointe Lane, Eastport, MI 49627 (US).

(74) **RING, Thomas, J.**; Potthast & Ring, Suite 1750, 10 South Riverside Plaza, Chicago, IL 60606 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A41D 13/00, 7/00**

(11) **WO 99/53783** (13) A1

(21) PCT/CA98/00693

(22) **16 Jul/juil 1998 (16.07.1998)**

(25) en (26) en

(30) 09/063,584 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 2,235,561 **21 Apr/avr 1998** CA **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SWIM AND BODY SUIT SUPPORT SYSTEM
• SYSTEME DE SOUTIEN POUR MAILLOT DE BAIN ET JUSTAUCORPS

(71, 72) **BALIT, Robert** [CA/CA]; 9880 Clark Street, Montreal, Quebec H3L 2R3 (CA).

(74) **SECHLEY, Konrad, A.** et al. / etc.; Gowling, Strathy & Henderson, Suite 2600, 160 Elgin Street, Ottawa, Ontario K1P 1C3 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A43B 7/02, 7/04**

(11) **WO 99/53784** (13) A1

(21) PCT/FR99/00855

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) fr (26) fr

(30) 98/04945 **17 Apr/avr 1998** FR **(17.04.1998)**

(30) 99/01481 **9 Feb/fév 1999** FR **(09.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THERMODYNAMIC DEVICE FOR REGULATING THE HEAT OF AN OBJECT SUCH AS A SHOE
• DISPOSITIF THERMODYNAMIQUE DE REGULATION THERMIQUE D'UN OBJET TEL UNE CHAUSSURE

(71, 72) **BERNIER, Jacques** [FR/FR]; 7, impasse Plouharneux, F–56750 Damgan (FR). **LEPINE, Jacques** [FR/FR]; 10, rue d'Alger, F–75001 Paris (FR). **SOKOLOW, Nicolas** [FR/FR]; 55, avenue Kléber, F–75016 Paris (FR).

(74) **SOKOLOW, Nicolas**; 55, avenue Kléber, F–75016 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A43B 7/06, 7/08, 13/14**

(11) **WO 99/53785** (13) A1

(21) PCT/US99/08534

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,935 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INSOLE INSERT HAVING PERFORATION–MODIFIED RESILIENCY
• SEMELLE INTERIEURE A ELASTICITE MODIFIEE PAR PERFORATIONS

(71) **PAYLESS SHOESOURCE, INC.** [US/US]; 3231 East 6th Street, Topeka, KS 66607–2207 (US).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **BROOKS, Jeffrey, S.** [–/US]; 1140 Loi Road, St. Louis, MO 63124 (US). **BROWN, James, G.** [–/US]; 1601 Troon, Lawrence, KS 66047 (US).

(74) **RUDY, William, A.** et al. / etc.; Lathrop & Gage, LC, Suite 2800, 2345 Grand Boulevard, Kansas City, MO 64108 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A43B 7/14, 7/18, 7/22, 7/26, 13/12, 13/40**

(11) **WO 99/53786** (13) A1

(21) PCT/US99/08521

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,035 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LAMINATED INSOLE INSERT FOR FOOTWEAR
• SEMELLE INTERIEURE STRATIFIEE POUR CHAUSSURE

(71) **PAYLESS SHOESOURCE, INC.** [US/US]; 3231 East 6th Street, Topeka, KS 66607–2207 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BROOKS, Jeffrey, S.** [US/US]; 1140 Loi Road, St. Louis, MO 63124 (US). **BROWN, James, G.** [–/US]; 1601 Troon, Lawrence, KS 66047 (US).

(74) **RUDY, William, A.** et al. / etc.; Lathrop & Gage, LC, Suite 2800, 2345 Grand Boulevard, Kansas City, MO 64108 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A43B 13/12**

(11) **WO 99/53787** (13) A1

(21) PCT/FR99/00895

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/05216 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SHOE WITH DEFORMABLE SOLE STRUCTURE
• CHAUSSURE A SEMELAGE AVEC STRUCTURE DEFORMABLE

(71) **SALOMON S.A.** [FR/FR]; Lieudit "La Ravoire", F–74370 Metz–Tessy (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CRETINON, Frédéric** [FR/FR]; 85 bis, route des Grands Prés, F–74370 Metz–Tessy (FR).

(74) **LAURENT, Anne** et al. / etc.; Salomon S.A., Direction Juridique et Propriété Industrielle, F–74996 Annecy Cedex 09 (FR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A43B 13/38**

(11) **WO 99/53788** (13) A1

(21) PCT/US99/08389

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,924 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INSOLE INSERT FOR FOOTWEAR
• SEMELLE A INSERER DANS UNE CHAUSSURE

(71) **PAYLESS SHOESOURCE, INC.** [US/US]; 3231 East 6th Street, Topeka, KS 66607–2207 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLACKWELL, Terry, Dean** [–/US]; 3421 S.E. 39th Street, Topeka, KS 66609 (US). **BROWN, James, G.** [–/US]; 1601 Troon, Lawrence, KS 66047 (US).

(74) **RUDY, William, A.** et al. / etc.; Lathrop & Gage, LC, Suite 2800, 2345 Grand Boulevard, Kansas City, MO 64108 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A43C 7/08 // F16G 11/04**

(11) **WO 99/53789** (13) A1

(21) PCT/SE99/00595

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/061,901 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TIGHTENING DEVICE FOR SHOELACES AND LIKE ELONGATED AND PLIABLE ELEMENTS HAVING FREE ENDS
• DISPOSITIF DE SERRAGE DE LACETS DE CHAUSSURES ET D'AUTRES OBJETS ALLONGES PLIABLES A EXTREMITES LIBRES

(71) **LAZYLOCK AB** [SE/SE]; Gruvvägen 25, S–792 33 Mora (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOLMBERG, Johan** [SE/SE]; Gruvvägen 25, S–792 33 Mora (SE).

(74) **NILSSON, Karl** et al. / etc.; Stenhagen Patentbyrå AB, P.O. Box 4630, S–116 91 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A43C 15/16**

(11) **WO 99/53790** (13) A1

(21) PCT/DE99/01146

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 298 07 082.0 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLE FOR SPORTS SHOES, ESPECIALLY FOR OUTDOOR SPORTS
• SEMELLE POUR CHAUSSURES DE SPORT, NOTAMMENT POUR CHAUSSURES DESTINEES A UN SPORT SE JOUANT SUR GAZON

(71) **PRODUKTGESTALTUNG FRANK GMBH** [DE/DE]; Gewerbestrasse 30, D–90556 Cadolzburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRANK, Manfred** [DE/DE]; Gewerbestrasse 30, D–90556 Cadolzburg (DE).

(74) **HAFNER, Dieter** et al. / etc.; Ostendstrasse 132, D–90482 Nürnberg (DE).

(81) BR CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A43C 15/16, F16B 21/04**

(11) **WO 99/53791** (13) A1

(21) PCT/US99/08229

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/062,037 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/208,180 **9 Dec/déc 1998** US **(09.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • QUICK–RELEASE CONNECTOR
• CONNECTEUR A FIXATION RAPIDE

(71) **MACNEILL ENGINEERING COMPANY, INC.** [US/US]; 289 Elm Street, Marlborough, MA 01752 (US).

(72) **SAVOIE, Armand, J.**; 88 Leo Drive, Gardner, MA 01440 (US).

(74) **SUNSTEIN, Bruce, D.** et al. / etc.; Bromberg & Sunstein LLP, 125 Summer Street, Boston, MA 02110–1618 (US).

(81) AU BR CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **A44B 11/25**

(11) **WO 99/53792** (13) A1

(21) PCT/JP99/02010

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/112607 **23 Apr/avr 1998** JP **(23.04.1998)**

(30) 10/225799 **10 Aug/août 1998** JP **(10.08.1998)**

(30) 10/242713 **28 Aug/août 1998** JP **(28.08.1998)**

(30) 10/370310 **25 Dec/déc 1998** JP **(25.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BUCKLE AND BAND WITH THIS BUCKLE
• BOUCLE ET BANDE EQUIPEE DE CETTE BOUCLE

(71) **SEA RAISE CORPORATION CO., LTD.** [JP/JP]; 1–9–25, Arima, Miyamae–ku, Kawasaki–shi, Kanagawa 216–0003 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHIRAI, Syoji** [JP/JP]; Sea Raise Corporation Co., Ltd., 1–9–25, Arima, Miyamae–ku, Kawasaki–shi, Kanagawa 216–0003 (JP). **MUSHA, Kouhei** [JP/JP]; Musha Design Project Co., Ltd., 2–11–10–202, Kitaaoyama, Minato–ku, Tokyo 107–0061 (JP).

(74) **ISHIDA, Masahisa**; 28–10, Sannoh 1–chome, Ohta–ku, Tokyo 143–0023 (JP).

(81) AU CA CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A45C 11/18**

(11) **WO 99/53793** (13) A2

(21) PCT/DE99/01151

(22) **17 Apr/avr 1999 (17.04.1999)**

(25) de (26) de

(30) 198 17 380.6 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COIN DEPOSIT LOCK FOR SHOPPING TROLLEYS
• SERRURE DE CONSIGNE POUR CHARIOTS DE SUPERMARCHE

(71, 72) **FUCHS, Peter** [DE/DE]; Jahnstrasse 7, D–76133 Karlsruhe (DE).

(74) **FRANK, Gerhard** et al. / etc.; Schwarzwaldstrasse 1A, D–75173 Pforzheim (DE).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LV MD MG MK MN MW MX NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A45C 11/18**

(11) **WO 99/53794** (13) A2

(21) PCT/DE99/01171

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 451.9 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CARD HOLDER
• ETUI POUR CARTES

(71, 72) **MALAUSCHEK, Peter** [DE/DE]; Heusteigstrasse 23, D–70178 Stuttgart (DE). **FRANK, Christoph** [DE/DE]; Hauptstätter Strasse 77, D–70178 Stuttgart (DE).

(74) **SCHUSTER, Gregor** et al. / etc.; Wiederholdstrasse 10, D–70174 Stuttgart (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A45C 13/26**

(11) **WO 99/53795** (13) A1

(21) PCT/US99/04411

(22) **1 Mar/mar 1999 (01.03.1999)**

(25) en (26) en

(30) 09/064,498 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RETRACTABLE STRAP
• SANGLE RETRACTABLE

(71, 72) **SWENKE, J., Kevin** [US/US]; 3102 Maple Avenue #600, Dallas, TX 75201 (US).

(74) **JENSEN, William, P.**; Browning Bushman, Suite 1800, 5718 Westheimer Road, Houston, TX 77057 (US).

(81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A45D 40/22, 33/24**

(11) **WO 99/53796** (13) A1

(21) PCT/GB99/01122

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 9808400.7 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COSMETIC COMPACT
• BOITIER POUR PRODUIT COSMETIQUE

(71) **CROWN CORK & SEAL TECHNOLOGIES CORPORATION** [US/US]; 11535 S. Central Avenue, Alsip, IL 60803–2599 (US). *(for all designated States except / pour tous les États désignés sauf LS US)*

(71) **CARNAUDMETALBOX PLC** [GB/GB]; Downsview Road, Wantage, Oxfordshire OX12 9BP (GB). *(only for / seulement pour LS)*

(72, 75) **FIORAVANTI, Alex** [GB/GB]; 46 Cullerne Close, Abingdon, Oxfordshire OX14 1XJ (GB). **RAMSEY, Christopher, Paul** [GB/GB]; Braeside, Manor Road, Wantage, Oxfordshire OX12 8DP (GB).

(74) **SMITH, Debra, Jane, Clare**; Carnaudmetalbox plc, Downsview Road, Wantage, Oxfordshire OX12 9BP (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A45D 40/26**

(11) **WO 99/53797** (13) A1

(21) PCT/US99/08149

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/065,127 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • UNIDIRECTIONAL COSMETIC WIPER
• dispositif nettoyant de cosmétique unidirectionnel

(71) **COLOR ACCESS, INC.** [US/US]; 7 Corporate Center Drive, Melville, NY 11747 (US).

(72) **BOUIX, Herve, F.**; 245 E. 54th Street, New York, NY 10022 (US).

(74) **TSEVDOS, Estelle, J.**; Kenyon & Kenyon, One Broadway, New York, NY 10004 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A45F 3/10**

(11) **WO 99/53798** (13) A1

(21) PCT/FR99/00914

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) fr (26) fr

(30) 98/05001 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SELF–SUPPORTED SHOULDER CARRIAGE DEVICE
• DISPOSITIF DE PORTAGE EPAULE AUTOPORTE

(71, 72) **HIBERTY, Didier** [FR/FR]; Les Deux Frères, F–63980 Echandelys (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **A45F 4/02**

(11) **WO 99/53799** (13) A1

(21) PCT/US99/08218

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/062,105 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTI–FUNCTIONAL CARRYING DEVICE
• DISPOSITIF DE TRANSPORT POLYVALENT

(71, 72) **HOLCOMB, Matthew, T., J.** [US/US]; 1730 Reed Avenue, San Diego, CA 92109 (US).

(72) **SMITH, David, R.**; 838 Judson Avenue #3B, Evanston, IL 60202 (US). **JEFF, James, Anthony**; 1725 Orrington Avenue #610–1, Evanston, IL 60201 (US).

(74) **WEINSTEIN, Mitchell, J.** et al. / etc.; Welsh & Katz, Ltd., 22nd floor, 120 South Riverside Plaza, Chicago, IL 60606 (US).

(81) AU CA JP MX SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A46B 13/00, 13/02**

(11) **WO 99/53800** (13) A1

(21) PCT/US99/08198

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 09/066,725 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS FOR CLEANING A COMPUTER POINTING DEVICE
• APPAREIL PERMETTANT DE NETTOYER UN DISPOSITIF DE POINTAGE INFORMATIQUE

(71, 72) **BOYS, Mark, Andrew** [US/US]; 412 Carpenteria Road, Aromas, CA 95004 (US).

(74) **BOYS, Donald, R.**; P.O. Box 187, Aromas, CA 95004 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A46D 1/00, B44C 1/165, B32B 3/02, 31/00, 33/00, D03D 27/00, D04H 11/00, D05C 17/00**

(11) **WO 99/53801** (13) A1

(21) PCT/US99/04789

(22) **4 Mar/mar 1999 (04.03.1999)**

(25) en (26) en

(30) 09/062,544 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • Z–PEEL SHEETS
• FEUILLES PELABLES EN Z

(71) **NORTHROP GRUMMAN CORPORATION** [US/US]; 1840 Century Park East, Los Angeles, CA 90067–2199 (US).

(72) **REIS, Carl, A.**; 18005 Atkinson, Torrance, CA 90504 (US). **WONG, Benjamin, S.**; 954 Sunnyhill Place, Diamond Bar, CA 91765 (US).

(74) **ANDERSON, Terry, J.**; Northrop Grumman Corporation, 1840 Century Park East, Los Angeles, CA 90067–2199 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47B 3/14, 83/02**

(11) **WO 99/53802** (13) A1

(21) PCT/ES99/00105

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) es (26) es

(30) P 9800838 **21 Apr/avr 1998** ES **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TABLE STRUCTURE WITH LIFT–UP SEATS
• STRUCTURE DE TABLE EQUIPEE DE BANCS RABATTABLES

(71, 72) **MARRACO DE LOS ARCOS, Antonio** [ES/ES]; Manuel Uribe, 6–3 ° A, E–28033 Madrid (ES).

(74) **UNGRIA LOPEZ, Javier**; Avenida Ramón y Cajal, 78, E–28043 Madrid (ES).

(81) BR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A47B 85/00**

(11) **WO 99/53803** (13) A1

(21) PCT/US99/08830

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,757 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/232,124 **15 Jan/jan 1999** US **(15.01.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LINER SLEEVE FOR MONITOR VIEWING APERTURE IN A WORK STATION
• MANCHON DE CHEMISAGE POUR OUVERTURE DE VISUALISATION D'UN MONITEUR DANS UN POSTE DE TRAVAIL

(71) **NOVA SOLUTIONS, INC.** [US/US]; 421 West Industrial Avenue, Effingham, IL 62401 (US).

(72) **SCHAIRBAUM, Edward, C.**; Suite 102, 3221 Suffolk Court W., Forth Worth, TX 76133 (US). **LECHMAN, John, N.**; 9 Cardinal Lane, Effingham, IL 62401 (US).

(74) **HIERL, Michael, A.** et al. / etc.; Olson & Hierl, Ltd., 36th floor, 20 North Wacker Drive, Chicago, IL 60606 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47B 95/02, A47J 45/10, B25B 13/00, B25D 17/12, F16D 31/02**

(11) **WO 99/53804** (13) A1

(21) PCT/US99/07437

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) en (26) en

(30) 09/062,682 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INTERCHANGEABLE GRIPS FOR POWER HAND TOOLS
• OIGNEES INTERCHANGEABLES POUR OUTILS MECANIQUES A MAIN

(71) **SNAP–ON TOOLS COMPANY** [US/US]; 2801 80th Street, Kenosha, WI 53141–1410 (US).

(72) **PUSATERI, Daniel, S.**; 353 Fairfax Lane, Grayslake, IL 60030 (US). **BREHM, James, R.**; 2423 Monroe Avenue, Racine, WI 53405 (US).

(74) **STOTLAND, Harold, V.**; Emrich & Dithmar, Suite 3000, 300 South Wacker Drive, Chicago, IL 60606 (US).

(81) AU CA CN JP KR MX SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(b)*

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(51)[6] **A47C 7/62, 7/66**

(11) **WO 99/53805** (13) A1

(21) PCT/US99/08514

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,260 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COVER FOR INFANT CAR CARRIER
• HOUSSE POUR SIEGE–AUTO

(71) **COZY KIDS, INCORPORATED** [US/US]; 11 Nash Street, Westborough, MA 01581 (US).

(72) **MACKAY, David**; 11 Nash Street, Westborough, MA 01581 (US). **MACKAY, Tracey**; 11 Nash Street, Westborough, MA 01581 (US). **DEBILZAN, Elaine, K.**; 2019 N. 6th Street, Bismark, ND 58501 (US).

(74) **DINGMAN, Brian, M.**; Suite 8, 176 East Main Street, Westborough, MA 01581 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A47C 9/10, 1/16**

(11) **WO 99/53806** (13) A1

(21) PCT/CA99/00347

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 2,235,543 **22 Apr/avr 1998 (22.04.1998)** CA

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED FOLDING CHAIR
• CHAISE PLIANTE PERFECTIONNEE

(71, 72) **REEVES, Christina, Mary** [CA/US]; 4051 Beltway Drive #206, Addison, TX 75244 (US). **REEVES, Christopher, James** [CA/US]; 4051 Beltway Drive #206, Addison, TX 75244 (US).

(74) **BLAKE, CASSELS & GRAYDON**; Box 25, Commerce Court West, Toronto, Ontario M5L 1A9 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47F 7/28, A47B 73/00**

(11) **WO 99/53807** (13) A1

(21) PCT/FR98/00805

(22) **21 Apr/avr 1998 (21.04.1998)**

(25) fr (26) fr

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BOTTLE STAND
• PORTE–BOUTEILLE

(71, 72) **DE VIRIEU, Godefroy** [FR/FR]; 23, rue Campagne Première, F–75014 Paris (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A47F 10/02**

(11) **WO 99/53808** (13) A2

(21) PCT/US99/08602

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,506 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS FOR DISPENSING OF BULK PRODUCT
• DISTRIBUTEUR EN VRAC DE PRODUITS

(71) **MARS, INC.** [US/US]; 6885 Elm Street, McLean, VA 22101–3883 (US).

(72) **ELLIS, Jeffrey, M.**; 4 Skylark Drive, Wesley Hills, NY 10977 (US). **SKLOVSKY, Stuart**; 3 Sunny Ridge Road, Spring Valley, NY 10977 (US). **DiMARCHI, Silvio, J.**; 392 Grand Avenue, Leonia, NJ 07605 (US). **WUENSCH, Jack**; 344 Prospect Avenue, Hackensack, NJ 07601 (US).

(74) **RAZZANO, Pasquale, A.** et al. / etc.; Fitzpatrick, Cella, Harper & Scinto, 30 Rockefeller Plaza, New York, NY 10112–3801 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47G 9/02**

(11) **WO 99/53809** (13) A1

(21) PCT/JP99/02100

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/125319 **20 Apr/avr 1998 (20.04.1998)** JP

(30) 10/125320 **20 Apr/avr 1998 (20.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DOWN QUILT AND METHOD OF MAKING THE SAME
• DESSUS DE LIT MATELASSE ET SON PROCEDE DE REALISATION

(71) **ASAMI CO., LTD.** [JP/JP]; 2888–11, Shinyoshida–cho, Kouhoku–ku, Yokohama–shi, Kanagawa 223–0056 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIKUCHI, Hiromichi** [JP/JP]; Asami Co., Ltd., 2888–11, Shinyoshida–cho, Kouhoku–ku, Yokohama–shi, Kanagawa 223–0056 (JP).

(74) **KATSURAGI, Yuji**; Ichigaya–Hoso Building, Room 208, 1–5, Kudan–Kita 4–chome, Chiyoda–ku, Tokyo 102–0073 (JP).

(81) CN DE US.

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(51)[6] **A47G 19/03, B31F 1/00, B65D 1/34**

(11) **WO 99/53810** (13) A1

(21) PCT/IB99/00601

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) en (26) en

(30) 09/061,955 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTI–PLY FOOD CONTAINER
• CONTENANT A PLIS MULTIPLES POUR ALIMENTS

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) **PLUMMER, Wendy, Lynn**; 7401 South Timberland Drive, Madeira, OH 45243 (US). **TOUSSANT, John, William**; 8169 Shadybrook Drive, West Chester, OH 45069 (US). **LEEKER, Karen, Kaczmarek**; 1280 View Place, Cincinnati, OH 45224 (US). **HALL, Bruce, Neil**; 4094 West Fork Road, Cincinnati, OH 45247 (US). **ALEXANDER, Garold, Wendell**; 2946 Lewis Center Road, Lewis Center, OH 43035 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217–1087 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47G 27/02**

(11) **WO 99/53811** (13) A1

(21) PCT/SE99/00607

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) sv (26) en

(30) 9801307–1 **16 Apr/avr 1998 (16.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MAT FOR USE AT ENTRANCES AND THE LIKE FOR WIPING SHOES OR OTHER SOILED OBJECTS
• PAILLASSON POUR NETTOYER LES CHAUSSURES ET AUTRES OBJETS SOUILLES

(71) **ACT – ADVANCED CLEANING TECHNICS AB** [SE/SE]; P.O. Box 10, S–515 21 Viskafors (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NORDIN, Rudolf** [SE/SE]; Hyggesgatan 7, S–502 57 Borås (SE).

(74) **GRAUDUMS, Valdis** et al. / etc.; Albihns Patentbyrå Göteborg AB, P.O. Box 142, S–401 22 Göteborg (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47J**

(11) **WO 99/53812** (13) A2

(21) PCT/BG99/00011

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ru (26) ru

(30) 102401 **22 Apr/avr 1998** BG **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MIXER FOR PANS
• MELANGEUR POUR CASSEROLES

(71, 72) **ASTASHKIN, Sergei Nikolaevich** [BG/BG]; kv. Gorublane, Prolet Street, 11, 1738 Sofia (BG).

(74) **TAKHTADZHIEV, Kostadin Nedelchev**; kv. Emil Markov, blok 233, Sofia, 1404 (BG).

(81) AT (Utility model / modèle d'utilité) AU BR BY CA CH CN CZ (Utility model / modèle d'utilité) DE (Utility model / modèle d'utilité) DK (Utility model / modèle d'utilité) ES FI (Utility model / modèle d'utilité) GB HR HU ID IL IN JP KP KR MD MN MX NO NZ PL PT RO RU SE SG SI SK (Utility model / modèle d'utilité) TR UA US VN YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A47J 31/40, 31/06**

(11) **WO 99/53813** (13) A1

(21) PCT/US99/08431

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/062,481 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHODS FOR MAKING BEVERAGES
• APPAREIL ET PROCEDES SERVANT A PREPARER DES BOISSONS

(71, 72) **CAI, Edward, Z.** [CN/US]; 4767 N.W. Jeanice Place, Corvallis, OR 97330 (US).

(81) BR CA CN JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A47K 7/00, A46B 15/00**

(11) **WO 99/53814** (13) A1

(21) PCT/SE99/00597

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) sv (26) en

(30) 9801328–7 **17 Apr/avr 1998** SE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BRUSH
• BROSSE

(71) **ITZA PRODUKTER AB** [SE/SE]; Tofsvipevägen 9, S–444 55 Stenungsund (SE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **OLSSON, Maritza** [SE/SE]; Tofsvipevägen 9, S–444 55 Stenungsund (SE).

(74) **GÖTEBORGS PATENTBYRÅ DAHLS AB**; Sjöporten 4, S–417 64 Göteborg (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47K 10/32**

(11) **WO 99/53815** (13) A1

(21) PCT/CH99/00164

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) de (26) de

(30) 919/98 **22 Apr/avr 1998** CH **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PUMP–FREE DOSING DEVICE FOR FLOWABLE MEDIA
• DISPOSITIF DE DOSAGE SANS POMPE POUR MILIEUX APTES A L'ECOULEMENT

(71) **KUYUS–STIFTUNG** [LI/LI]; Pradafant 7, FL–9490 Vaduz (LI). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **LOERTSCHER, Ulrich** [CH/CH]; Rigistrasse 24, CH–8006 Zürich (CH). **PFLUGER, Toni** [CH/CH]; Foehrenstrasse 27, CH–8703 Erlenbach (CH).

(74) **PATENTBÜRO BÜCHEL & PARTNER AG**; Letzanaweg 25, FL–9495 Triesen (LI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47K 10/32**

(11) **WO 99/53816** (13) A1

(21) PCT/EP99/02674

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) de (26) de

(30) 198 17 681.3 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TOILET PAPER MOISTENING DEVICE
• DISPOSITIF D'HUMIDIFICATION POUR PAPIER TOILETTE

(71) **CELI, Livio, Ernesto** [IT/US]; 223 Market Street # B, Venice, CA 90291 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **CELI, Antonio, M.** [IT/DE]; Steinstrasse 1D, D–56593 Güllesheim (DE).

(74) **MAI, Peter** et al. / etc.; John–F.–Kennedy–Strasse 4, D–65189 Wiesbaden (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47K 13/00, E03D 9/08**

(11) **WO 99/53817** (13) A1

(21) PCT/JP99/02086

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/129540 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF MANUFACTURING TOILET SEAT DEVICE AND TOILET SEAT DEVICE, AND SANITARY WASHING DEVICE WITH TOILET SEAT DEVICE

• PROCEDE DE FABRICATION D'UN SIEGE DE TOILETTE, SIEGE DE TOILETTE ET DISPOSITIF DE NETTOYAGE HYGIENIQUE DESTINE A CE SIEGE DE TOILETTE

(71) **TOTO LTD.** [JP/JP]; 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu–shi, Fukuoka 802–8601 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TANI, Junichi** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu–shi, Fukuoka 802–8601 (JP). **OE, Mari** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu–shi, Fukuoka 802–8601 (JP). **IGARASHI, Ken** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu–shi, Fukuoka 802–8601 (JP). **MUKAI, Yoshitaka** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu–shi, Fukuoka 802–8601 (JP).

(74) **IGARASHI, Takao** et al. / etc.; Chuo Fushimi Building, 3F, 3–2, Nishiki 1–chome, Naka–ku, Nagoya–shi, Aichi 460–0003 (JP).

(81) CN ID KR SG TR US.

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(51)[6] **A47K 13/26 // 13/06**

(11) **WO 99/53818** (13) A1

(21) PCT/SE99/00266

(22) **25 Feb/fév 1999 (25.02.1999)**

(25) sv (26) en

(30) 9801436–8 **23 Apr/avr 1998** SE **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TOILET SEAT
• SIEGE DE TOILETTES

(71) **BABY BJÖRN AB** [SE/SE]; P.O. Box 2029, S–183 02 Täby (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BERGKVIST, Håkan** [SE/SE]; Beckombergavägen 72, S–168 54 Bromma (SE).

(74) **NILSSON, Karl** et al. / etc.; Stenhagen Patentbyrå AB, P.O. Box 4630, S–116 91 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A47L**

(11) **WO 99/53819** (13) A2

(21) PCT/KR99/00185

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 1998/6357 U **18 Apr/avr 1998** KR **(18.04.1998)**

(30) 1998/10011 U **5 Jun/juin 1998** KR **(05.06.1998)**

(30) 1999/606 U **14 Jan/jan 1999** KR **(14.01.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SNIVEL SUCTION INSTRUMENT
• INSTRUMENT D'ASPIRATION D'ECOULEMENTS NASAUX

(71, 72) **LEE, Chang, Yeun** [KR/KR]; Samhwan Apt. 205–105, 120–10, Dadae 2–dong, Saha–gu, Pusan 604–052 (KR).

(74) **JANG, Seong, Ku**; 275, Yangjae–dong, Seocho–gu, Seoul 137–130 (KR).

(81) CN IN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A47L 5/12, 5/22, 5/24, 9/04**

(11) **WO 99/53820** (13) A1

(21) PCT/US98/08200

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EASY MAINTENANCE VACUUM CLEANER
• ASPIRATEUR D'ENTRETIEN FACILE

(71) **MATSUSHITA HOME APPLIANCE CORPORATION OF AMERICA** [US/US]; 1355 Lebanon Road, P.O. Box 7, Danville, KY 40423–0007 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MCCORMICK, Michael, J.** [US/US]; 1089 Argyll Drive, Danville, KY 40422 (US).

(74) **SCHICKLI, Warren, D.** et al. / etc.; Suite 210, 3070 Harrodsburg Road, Lexington, KY 40503 (US).

(81) CA US.

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(51)[6] **A47L 13/17**

(11) **WO 99/53821** (13) A1

(21) PCT/US98/07715

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CLEANING SLEEVE FOR DUSTING IMPLEMENT
• FOURREAU NETTOYANT POUR BROSSE A ÉPOUSSETER

(71, 72) **CUMMINGS, Robert, L.** [US/US]; 24366 Parkside Drive East, LaGuna Niguel, CA 92677 (US).

(74) **DYKAS, Frank, J.**; P.O. Box 877, Boise, ID 83701–0877 (US).

(81) AT AU BB BG BR CA CH CN CU CZ DE DK EE ES FI GB HU ID IL IS JP KP KR LT LU LV MD MX NO NZ PL PT RO SE SG SK TR UA US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A47L 15/00, 15/14, 15/42**

(11) **WO 99/53822** (13) A1

(21) PCT/SE99/00590

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 9801343–6 **17 Apr/avr 1998** SE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE IN A CLEANING MACHINE
• PROCEDE ET DISPOSITIF CONCERNANT UNE MACHINE A NETTOYER

(71) **NATIONAL CONVEYOR CORP.** [US/US]; 2250 Yates Avenue, Commerce, CA 90040 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROGMARK, Bertil** [SE/SE]; Vintriegården, S–230 44 Bunkeflo (SE).

(74) **HANSSON THYRESSON PATENTBYRÅ AB**; P.O. Box 73, S–201 20 Malmö (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B**

(11) **WO 99/53823** (13) A2

(21) PCT/US99/08394

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/064,476 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • X–RAY DIAGNOSTIC SYSTEM
• SYSTEME DE DIAGNOSTIC AUX RAYONS X

(71) **SMITHSONIAN ASTROPHYSICAL OBSERVATORY** [US/US]; 60 Garden Street, Cambridge, MA 02138 (US).

(72) **SILVER, Eric, H.**; 59 Maple Street, Needham, MA 02192 (US). **SCHNOPPER, Herbert, W.**; 112A Lakeview Avenue, Cambridge, MA 02192 (US). **INGRAM, Russell**; 6 Woodcliff Road, Canton, MA 02021 (US).

(74) **PASTERNACK, Sam**; Choate, Hall & Stewart, Exchange Place, 53 State Street, Boston, MA 02109 (US).

(81) AT AU BR BY CA CH CZ HU JP KP KR MX NO NZ PL RU SE SG UA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B**

(11) **WO 99/53824** (13) A2

(21) PCT/US99/08972

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,646 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROXIMALLY TAPERED GUIDEWIRE TIP COIL
• ENROULEMENT DE TETE DE FIL–GUIDE A EXTREMITE PROXIMALE CONIQUE

(71) **ADVANCED CARDIOVASCULAR SYSTEMS, INC.** [US/US]; 3200 Lakeside Drive, P.O. Box 58167, Santa Clara, CA 95052–8167 (US).

(72) **CORNISH, Wayne, E.**; 1517 Corte Roberto, Oceanside, CA 92056 (US). **BRENNAN, Lawrence, E.**; 42312 Agena Street, Temecula, CA 92592 (US). **ANDERSON, David, M.**; 3914 Mesa Drive #101, Oceanside, CA 92056 (US). **JALISI, Marc, M.**; Apartment 376, 30660 Milky Way Drive, Temecula, CA 92592 (US).

(74) **LYNCH, Edward, J.** et al. / etc.; Heller, Ehrman, White & McAuliffe, 525 University Avenue, Palo Alto, CA 94301–1900 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 1/00**

(11) **WO 99/53825** (13) A1

(21) PCT/US98/08094

(22) **22 Apr/avr 1998 (22.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLEXIBLE ENDOSCOPIC APPARATUS
• APPAREIL ENDOSCOPIQUE SOUPLE

(71, 72) **SPITZ, Aaron** [US/US]; 1857–A South Alta Vista Road, Monrovia, CA 91016 (US). **SUTARIA, Perry** [US/US]; Unit 8E, 445 East 68th Street, New York, NY 10021 (US).

(74) **PABST, Patrea, L.**; Arnall Golden & Gregory, LLP, 2800 One Atlantic Center, 1201 West Peachtree Street, Atlanta, GA 30309–3450 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE GW HU ID IL IS JP KP KR LC LK LR LT MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A61B 1/005, 17/34, A61M 25/01**

(11) **WO 99/53826** (13) A1

(21) PCT/BG99/00009

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) en (26) en

(30) 102394 **21 Apr/avr 1998** BG **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A CANNULA OF CHANGEABLE LENGTH AND SHAPE
• CANULE DE LONGUEUR ET DE FORME VARIABLES

(71, 72) **STEFANOW, Alexander R.** [BG/BG]; H. Dimitar Street, 17, B, 1000 Sofia (BG). **STEFANOW, Ivan R.** [BG/BG]; H. Dimitar Street, 17, B, 1000 Sofia (BG).

(74) **VARBANOV, Julian I.**; Patent and Trademark Bureau, 2nd floor, Pozitano Street, 3, 1000 Sofia (BG).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 1/005, 1/31**

(11) **WO 99/53827** (13) A1

(21) PCT/GB99/01207

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808426.2 **21 Apr/avr 1998** GB **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUCTION MEANS FOR PROPELLING AN ENDOSCOPE
• MOYENS D'ASPIRATION SERVANT A PROPULSER UN ENDOSCOPE

(71) **UNIVERSITY COLLEGE LONDON** [GB/GB]; Gower Street, London WC1E 6BT (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MILLS, Timothy, Noel** [GB/GB]; Flat 4, 45 Newman Street, London W1P 3PA (GB). **MOSSE, Charles, Alexander** [GB/GB]; 21 Parliament Hill, London NW3 2TA (GB). **SWAIN, Christopher, Paul** [GB/GB]; 41 Willow Road, London NW3 (GB). **GONG, Feng** [CN/GB]; 84 Barnfield Gardens, Plumstead Common Road, London SE18 (GB).

(74) **ELKINGTON AND FIFE**; Prospect House, 8 Pembroke Road, Sevenoaks, Kent TN13 1XR (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 1/303**

(11) **WO 99/53828** (13) A1

(21) PCT/US99/07706

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/063,938 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLEXIBLE ENDOSCOPIC SYSTEM AND METHODS
• SYSTEME ENDOSCOPIQUE SOUPLE ET PROCEDES

(71) **FEMRX, INC.** [US/US]; 1221 Innsbrook Drive, Sunnyvale, CA 94089 (US).

(72) **MILLER, Gary, H.**; 529 Bryce Court, Milpitas, CA 95035 (US).

(74) **CIAMPORCERO, Audley, A. Jr.** et al. / etc.; Johnson & Johnson, 1 Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 1/32**

(11) **WO 99/53829** (13) A1

(21) PCT/US99/08494

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,718 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEDICAL BODY ACCESS DEVICE
• DISPOSITIF MEDICAL PERMETTANT D'ACCEDER A L'INTERIEUR DU CORPS

(71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One Scimed Place, Maple Grove, MN 55311–1566 (US).

(72) **RIOUX, Robert, F.**; 6 Marisa Drive, West Bridgewater, MA 02379 (US). **RACKLEY, Raymond**; 13660 Fairhill, #305, Shaker Heights, OH 44122 (US).

(74) **TOSTI, Robert, J.**; Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **A61B 5/00**

(11) **WO 99/53830** (13) A1

(21) PCT/US98/07773

(22) **22 Apr/avr 1998 (22.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STYLET FOR CONTROLLED DEFORMATION OF A TUBE
• STYLET POUR COMMANDER LA DEFORMATION D'UN TUBE

(71, 72) **SCHROEDER, Michael** [US/US]; 177 Benson, Box 461, White Cloud, MI 49349 (US).

(74) **McKENNA, Richard, J.** et al. / etc.; Foley & Lardner, 777 East Wisconsin Avenue, Milwaukee, WI 53212 (US).

(81) BR CA CN JP KR MX RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 5/00**

(11) **WO 99/53831** (13) A1

(21) PCT/US99/04919

(22) **4 Mar/mar 1999 (04.03.1999)**

(25) en (26) en

(30) 09/065,663 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FIBER OPTIC OXIMETER CONNECTOR WITH ELEMENT INDICATING WAVELENGTH SHIFT
• CONNECTEUR DE SPHYGMO–OXIMETRE A FIBRES OPTIQUES, DOTE D'UN ELEMENT INDIQUANT LE CHANGEMENT DE LONGUEUR D'ONDE

(71) **NELLCOR PURITAN BENNETT INCORPORATED** [US/US]; 4280 Haciendia Drive, Pleasanton, CA 94588 (US).

(72) **FEIN, Michael, E.**; 1909 Lime Tree Lane, Mountain View, CA 94040 (US). **CRONE, Willem, A.**; 7150 Melvina, Palermo, CA 95968 (US).

(74) **KOVACH, Dennis, E.**; Nellcor Puritan Bennet Incorporated, Legal Dept., 4280 Hacienda Drive, Pleasanton, CA 94588 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 5/00, 1/045**

(11) **WO 99/53832** (13) A1

(21) PCT/US99/07789

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/064,667 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMAGING SYSTEM WITH AUTOMATIC GAIN CONTROL FOR REFLECTANCE AND FLUORESCENCE ENDOSCOPY
• SYSTEME D'IMAGERIE AVEC COMMANDE DE GAIN AUTOMATIQUE POUR ENDOSCOPIE PAR REFLECTANCE ET FLUORESCENCE

(63) US 09/064,667 (CON) 20 Apr/avr 1998 (20.04.1998)

(71) **XILLIX TECHNOLOGIES CORP.** [CA/CA]; #300 – 13775 Commerce Parkway, Richmond, British Columbia V6V 2V4 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CLINE, Richard, W.** [US/CA]; 4540 West 3rd Avenue, Vancouver, British Columbia V6R 1N2 (CA). **FENGLER, John, J., P.** [CA/CA]; 1181 Russell Avenue, North Vancouver, British Columbia V7G 2L8 (CA). **FIGLEY, Curtis, B.** [CA/CA]; P3, 8821 – 106 avenue, Edmonton, AB T5H 4G1 (CA). **DAWSON, Remy** [CA/CA]; 7688 Ontario Street, Vancouver, British Columbia V5X 3C5 (CA). **JAGGI, Bruno, W.** [CA/CA]; 2861 West 3rd Avenue, Vancouver, British Columbia V6K 1M8 (CA).

(74) **TULLETT, Rodney, C.**; Christensen O'Connor Johnson & Kindness PLLC, Suite 2800, 1420 Fifth Avenue, Seattle, WA 98101 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 5/00, A61M 1/00**

(11) **WO 99/53833** (13) A1

(21) PCT/US99/08207

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,125 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EVACUATOR
• DISPOSITIF D'EVACUATION

(63) US 60/082,125 (CIP) 17 Apr/avr 1998 (17.04.1998)

(71) **JLJ MEDICAL DEVICES, INTERNATIONAL, LLC** [US/US]; Suite 212, 6504 Walker Street, St. Louis Park, MN 55426 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHULTZ, Leonard, S.** [US/US]; 11036 Boone Circle South, Bloomington, MN 55438 (US). **DROGUE, Jeffrey, K.** [US/US]; 5117 Washburn Avenue South, Minneapolis, MN 55410 (US). **GRACIE, Kevin, W.** [US/US]; Apartment D–4, 314 East 25th Street, Minneapolis, MN 55404 (US).

(74) **BRUHN, David, E.** et al. / etc.; Dorsey & Whitney LLP, Pillsbury Center South, 220 South Sixth Street, Minneapolis, MN 55402–1498 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 5/00**

(11) **WO 99/53834** (13) A1

(21) PCT/US99/08539

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,290 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DETERMINING CARDIAC OUTPUT
• DETERMINATION DU DEBIT CARDIAQUE

(71) **THE PENN STATE RESEARCH FOUNDATION** [US/US]; 304 Old Main, University Park, PA 16802–7000 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KASRAVI, Babak** [US/US]; 4741 Royce Road, Irvine, CA 92612 (US).

BOEHMER, John, P. [US/US]; 823 Cobblestone Court, Hershey, PA 17033 (US). **LEUENBERGER, Urs** [US/US]; 345 Laurel Drive, Hershey, PA 17033 (US).

(74) **MONAHAN, Thomas, J.**; The Pennsylvania State University, Intellectual Property Office, 113 Technology Center, University Park, PA 16802–7000 (US).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 5/0215, G01L 7/20**

(11) **WO 99/53835** (13) A1

(21) PCT/EP99/02689

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) de (26) de

(30) 198 17 762.3 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE AND METHOD FOR MEASURING INTRAVASCULAR PRESSURE AND FOR LOW CONTAMINATING INTRODUCTION OF CATHETERS, FOR EXAMPLE, IN BLOOD VESSELS
• DISPOSITIF ET PROCEDE POUR MESURER UNE PRESSION PAR VOIE INTRAVASCULAIRE ET POUR POSER DES CATHETERS PAR EXEMPLE DANS DES VAISSEAUX SANGUINS AVEC DE FAIBLES RISQUES DE CONTAMINATION

(71, 72) **ENK, Dietmar** [DE/DE]; Ludgerusstrasse 2, D–48653 Coesfeld (DE).

(74) **KAHLHÖFER, Hermann**; Bardehle Pagenberg Dost Altenburg Geissler Isenbruck, Uerdinger Strasse 5, D–40474 Düsseldorf (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **A61B 5/055, 5/04**

(11) **WO 99/53836** (13) A1

(21) PCT/DE99/01149

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 094.7 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR DIVERTING AN ELECTROENCEPHALOGRAM IN A NUCLEAR SPIN TOMOGRAPH
• PROCEDE ET DISPOSITIF PERMETTANT D'EFFECTUER UN ELECTROENCEPHALOGRAMME DANS UN SCANNER A SPIN NUCLEAIRE

(71, 72) **HOFFMANN, Alexander** [DE/DE]; Karwendelstrasse 15, D–81369 München (DE).

(74) **VIERING, JENTSCHURA & PARTNER**; Steinsdorfstrasse 6, D–80538 München (DE).

(81) DE GB US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 5/08**

(11) **WO 99/53837** (13) A1

(21) PCT/US99/08449

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/064,028 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ASPIRATION SCREENING PROCESS FOR ASSESSING POST SURGERY PATIENT'S RISK FOR PNEUMONIA
• PROCEDE BASE SUR L'ASPIRATION PERMETTANT D'EVALUER LES RISQUES DE PNEUMONIE ENCOURUS PAR UN PATIENT POST–OPERATOIRE

(71, 72) **ADDINGTON, W., Robert** [US/US]; 118 Tradewinds Terrace, Indialantic, FL 32903 (US). **STEPHENS, Robert, E.** [US/US]; 5224 Northwest Bluff Drive, Parkville, MO 64152 (US).

(74) **WANDS, Charles, E.**; Suite 211, 5240 Babcock Street N.E., Palm Bay, FL 32905 (US).

(81) AU CA IL MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 5/103**

(11) **WO 99/53838** (13) A1

(21) PCT/US99/07831

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/062,442 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOTION TRACKING SYSTEM
• SYSTEME DE DETECTION DE MOUVEMENT

(71) **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02142–1324 (US).

(72) **FOXLIN, Eric, M.**; 285 Highland Avenue, Arlington, MA 02174 (US).

(74) **PRAHL, Eric, L.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (US).

(81) CA CN IL JP KR MX NO SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 5/12**

(11) **WO 99/53839** (13) A1

(21) PCT/AU99/00303

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) PP 3137 **22 Apr/avr 1998** AU **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHASE LOCK EVOKED RESPONSE AUDIOMETER
• AUDIOMETRE ELECTROPHYSIOLOGIQUE A VERROUILLAGE DE PHASE

(71) **THE UNIVERSITY OF MELBOURNE** [AU/AU]; Grattan Street, Parkville, VIC 3052 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **COHEN, Lawrence, Thomas** [AU/AU]; 116 Katrina Street, Blackburn North, VIC 3130 (AU). **PARKER, John, Charles** [AU/AU]; 5 Fairfield Avenue, Camberwell, VIC 3124 (AU). **RICKARDS, Field, Winston** [AU/AU]; 1/10 Myrtle Street, Hawthorn, VIC 3122 (AU).

(74) **CARTER SMITH & BEADLE**; Qantas House, 2 Railway Parade, P.O. Box 557, Camberwell, VIC 3124 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 6/00**

(11) **WO 99/53840** (13) A1

(21) PCT/US99/08569

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,129 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DETECTION OF CANCEROUS LESIONS BY THEIR EFFECT ON THE SPATIAL HOMOGENEITY OF SKIN TEMPERATURE
• DETECTION DE LESIONS CANCEREUSES EN FONCTION DE LEUR

ACTION SUR L'HOMOGENEITE SPATIALE DE LA TEMPERATURE DE LA PEAU

(71) **OMNICORDER TECHNOLOGIES, INC.** [US/US]; 25 East Loop Road, Stoneybrook, NY 11790 (US).

(72) **ANBAR, Michael**; 145 Deer Run, Williamsville, NY 14221 (US).

(74) **SCALISE, Michael, F.** et al. / etc.; Hodgson, Russ, Andrews, Woods & Goodyear, LLP, Suite 2000, One M & T Plaza, Buffalo, NY 14203–2391 (US).

(81) AU BR CA JP MX NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 10/00**

(11) **WO 99/53841** (13) A1

(21) PCT/US99/09002

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,801 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENDOCERVICAL AND EXOCERVICAL CELL COLLECTION DEVICE
• DISPOSITIF DE PRELEVEMENT DE CELLULES ENDOCERVICALES ET EXOCERVICALES

(71) **COOK UROLOGICAL, INC.** [US/US]; 1100 West Morgan Street, P.O. Box 227, Spencer, IN 47460 (US).

(72) **MAKSEM, John, A.**; 785 Walnut Ridge Road, Waukee, IA 50263 (US). **SIPS, Kathren, J.**; Route 4, Box 414, Spencer, IN 47460 (US).

(74) **GODLEWSKI, Richard, J.**; 1400 Cumberland Avenue, West Lafayette, IN 47906 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 17/04**

(11) **WO 99/53842** (13) A1

(21) PCT/FR99/00939

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) fr (26) fr

(30) 98/05204 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANCILLARY FOR SETTING AND REMOVING AN IMPLANT AND MORE PARTICULARLY A SUTURE ANCHOR
• ANCILLAIRE POUR LA MISE EN PLACE ET LE RETRAIT D'UN IMPLANT ET PLUS PARTICULIEREMENT D'UNE ANCRE DE SUTURE

(71) **TORNIER S.A.** [FR/FR]; Rue du Doyen Gosse, Boîte postale 11, F–38330 Montbonnot (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TORNIER, Alain** [FR/FR]; 299, chemin du Buttit, F–38330 Saint Ismier (FR). **BONNOMET, François** [FR/FR]; 23, rue de la Baronne d'Oberkirch Robertson, F–67000 Strasbourg (FR).

(74) **GARIN, Etienne**; Roosevelt Consultants, 109, rue Sully, Boîte postale 6138, F–69466 Lyon cedex 06 (FR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 17/04**

(11) **WO 99/53843** (13) A1

(21) PCT/FR99/00940

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) fr (26) fr

(30) 98/05202 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REVERSIBLE FIXING DEVICE FOR SETTING AN IMPLANT IN THE BONE
• DISPOSITIF DE FIXATION REVERSIBLE POUR LA MISE EN PLACE D'UN IMPLANT DANS L'OS

(71) **TORNIER S.A.** [FR/FR]; Rue du Doyen Gosse, Boîte postale 11, F–38330 Saint Ismier (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TORNIER, Alain** [FR/FR]; 299, chemin du Buttit, F–38330 Saint Ismier (FR). **BONNOMET, François** [FR/FR]; 23, rue de la Baronne d'Oberkirch, F–67000 Strasbourg (FR).

(74) **GARIN, Etienne**; Roosevelt Consultants, 109, rue Sully, Boîte postale 6138, F–69466 Lyon Cedex 06 (FR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 17/04, F16B 13/06**

(11) **WO 99/53844** (13) A1

(21) PCT/FR99/00941

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) fr (26) fr

(30) 98/05203 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUTURE ANCHOR WITH REVERSIBLE EXPANSION
• ANCRE DE SUTURE A EXPANSION REVERSIBLE

(71) **TORNIER S.A.** [FR/FR]; Rue du Doyen Gosse, Boîte postale 11, F–38330 Saint Ismier (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TORNIER, Alain** [FR/FR]; 299, chemin du Buttit, F–38330 Saint Ismier (FR). **BONNOMET, François** [FR/FR]; 23, rue de la Baronne d'Oberkirch Robertson, F–67000 Strasbourg (FR).

(74) **GARIN, Etienne**; Roosevelt Consultants, 109, rue Sully, Boîte postale 6138, F–69466 Lyon Cedex 06 (FR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 17/064, 17/068, A61F 2/24**

(11) **WO 99/53845** (13) A1

(21) PCT/US99/08817

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/062,822 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 09/203,169 **1 Dec/déc 1998** US **(01.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DRIVER TOOL FOR HEART VALVE PROSTHESIS FASTENERS
• OUTIL D'ENTRAINEMENT POUR FIXATIONS PROTHETIQUES DE VALVULE CARDIAQUE

(71) **ST. JUDE MEDICAL, INC.** [US/US]; One Lillehei Plaza, Saint Paul, MN 55117 (US).

(72) **BUCHANAN, Eric, S.**; 4905 Tri Oaks Circle South, Wyoming, MN 55092 (US). **ANDERSON, Kimberly, A.**; 956 Coneflower Court, Eagan, MN 55123 (US).

(74) **CHAMPLIN, Judson, K.**; Westman, Champlin & Kelly, P.A., International Centre, Suite 1600, 900 Second Avenue South, Minneapolis, MN 55402–3319 (US) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 17/12, 17/34**

(11) **WO 99/53846** (13) A1

(21) PCT/EP99/02769

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 98870089.4 **21 Apr/avr 1998 (21.04.1998)** EP

(30) 09/086,545 **29 May/mai 1998 (29.05.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR TREATING ANEURYSMS
• DISPOSITIF DE TRAITEMENT D'UN ANEVRISME

(71) **MEDICORP S.A.** [FR/FR]; Technopôle de Nancy Brabois, 5, allée Pelletier–Doisy, F–54600 Villers–lès–Nancy (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AMOR, Max** [FR/FR]; 13, rue Grande, F–54000 Nancy (FR). **HENRY, Michel** [FR/FR]; 4, allée Roches, F–54000 Nancy (FR).

(74) **VANDEBERG, Marie–Paule** et al. / etc.; 32, avenue Wolfers, B–1310 La Hulpe (BE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 17/12**

(11) **WO 99/53847** (13) A1

(21) PCT/US99/08406

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,281 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOVABLE LIGATING BAND DISPENSER AND METHOD
• DISTRIBUTEUR MOBILE DE COLLIER DE LIGATURE ET PROCEDE

(71) **ENSURG, INC.** [US/US]; 1244 Beaver Ruin Road #200, Norcross, GA 30093 (US).

(72, 75) **MEARS, Eric, L.** [US/US]; 3430 Highgate Hills Drive, Duluth, GA 30097 (US).

(74) **RHINES, Stephen, P.** et al. / etc.; Sidley & Austin, Suite 3400, 717 North Harwood, Dallas, TX 75201 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 17/22**

(11) **WO 99/53848** (13) A1

(21) PCT/US99/08486

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,997 **23 Apr/avr 1998 (23.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SURGICAL RETRIEVAL BASKET WITH THE ABILITY TO CAPTURE AND RELEASE MATERIAL
• DISPOSITIF D'EXTRACTION CHIRURGICALE SERVANT A EXTRAIRE ET DEGAGER DES MATERIAUX TELS QUE DES CALCULS

(71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One Scimed Place, Maple Grove, MN 55311–1566 (US).

(72) **BATES, James, S.**; 4725 N. Marybelle Way, Bloomington, IN 47404 (US).

(74) **MOORE, Ronda, P.**; Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 17/22**

(11) **WO 99/53849** (13) A1

(21) PCT/US99/08487

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,810 **23 Apr/avr 1998 (23.04.1998)** US

(30) 60/105,448 **23 Oct/oct 1998 (23.10.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEDICAL RETRIEVAL DEVICE WITH LOOP BASKET
• DISPOSITIF D'EXTRACTION MEDICALE COMPORTANT UN PANIER A BOUCLES

(71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One Scimed Place, Maple Grove, MN 55311–1566 (US).

(72) **LEVEILLEE, Raymond, J.**; 11302 Knot Way, Cooper City, FL 33026 (US).

(74) **MOORE, Ronda, P.**; Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 17/22**

(11) **WO 99/53850** (13) A2

(21) PCT/US99/08490

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,810 **23 Apr/avr 1998 (23.04.1998)** US

(30) 60/105,448 **23 Oct/oct 1998 (23.10.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ATRAUMATIC MEDICAL RETRIEVAL DEVICE
• DISPOSITIF D'EXTRACTION MEDICALE ATRAUMATIQUE

(71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One Scimed Place, Maple Grove, MN 55311–1566 (US).

(72) **BATES, James, S.**; 4725 N. Marybelle Way, Bloomington, IN 47404 (US). **QUE, Like**; 959 Eminence Way, Bloomington, IN 47401 (US). **RILEY, James, W.**; 5917 Foxwood Lane, Bloomington, IN 47401 (US). **TEAGUE, James, A.**; R.R. 5, Box 306, Spencer, IN 47460 (US).

(74) **MOORE, Ronda, P.**; Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61B 17/24, 17/26**

(11) **WO 99/53851** (13) A1

(21) PCT/US98/07620

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SURGICAL RETRIEVAL ASSEMBLY AND ASSOCIATED METHOD
• SYSTEME D'INSTRUMENT CHIRURGICAL D'EXTRACTION ET PROCEDE ASSOCIE

(71) **WILK AND NAKAO MEDICAL TECHNOLOGY, INCORPORATED** [US/US]; 160 Third Avenue, New York, NY 10003 (US).

(72) **NAKAO, Naomi, L.**; 303 East 57th Street, New York, NY 10022 (US). **WILK, Peter, J.**; 185 West End Avenue, New York, NY 10023 (US).

(74) **SUDOL, R., Neil**; Coleman Sudol, LLP, 14th floor, 708 Third Avenue, New York, NY 10017 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(51)[6] **A61B 17/34**

(11) **WO 99/53852** (13) A1

(21) PCT/US99/08877

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,254 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/199,654 **25 Nov/nov 1998** US **(25.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHODS FOR THE PENETRATION OF TISSUE, AND THE CREATION OF AN OPENING THEREIN
• APPAREIL ET METHODES DE PENETRATION DE TISSU ET DE CREATION D'UNE OUVERTURE DANS LEDIT TISSU

(63) US 09/065,254 (CIP) 23 Apr/avr 1998 (23.04.1998)
US 09/199,654 (CIP) 25 Nov/nov 1998 (25.11.1998)

(71, 72) **THOMPSON, Ronald, J.** [US/US]; 110 Stanbery Ridge, Fort Thomas, KY 41075 (US). **STUBBS, Jack, B.** [US/US]; 4266 Laura Marie Drive, Waynesville, OH 45068 (US).

(74) **MILLER, Martin, J., Miller** et al. / etc.; Dinsmore & Shohl LLP, 1900 Chemed Center, 255 East Fifth Street, Cincinnati, OH 45202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 17/36, A61N 5/04**

(11) **WO 99/53853** (13) A1

(21) PCT/US99/08811

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/064,690 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • UTERINE TREATMENT APPARATUS
• APPAREIL DE TRAITEMENT UTERIN

(63) US 09/064,690 (CIP) 22 Apr/avr 1998 (22.04.1998)

(71) **VIDACARE, INC.** [US/US]; 735 Palomar Avenue, Sunnyvale, CA 94086 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EDWARDS, Stuart, D.** [US/US]; 658 Westridge Drive, Portola Valley, CA 94028 (US).

(74) **DAVIS, Paul**; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, CA 94304–1050 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 17/39**

(11) **WO 99/53854** (13) A2

(21) PCT/US99/08869

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,711 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS TO ELECTROSURGICALLY TREATING AN ANEURYSM
• APPAREIL DE TRAITEMENT ELECTROCHIRURGICAL D'UN ANEVRISME

(63) US 60/082,711 (CIP) 22 Apr/avr 1998 (22.04.1998)

(71) **CARDIOSYNOPSIS, INC.** [US/US]; 735 Palomar Avenue, Sunnyvale, CA 94086 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EDWARDS, Stuart, D.** [US/US]; 658 Westridge Drive, Portola Valley, CA 94028 (US). **LAX, Ronald, G.** [US/US]; 2740 S.W. Martindown Boulevard #300, Palm City, FL 34990 (US).

(74) **MAHAMEDI, Van**; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, CA 94304–1050 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61B 17/70**

(11) **WO 99/53855** (13) A1

(21) PCT/FR99/00887

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fr (26) fr

(30) 98/04737 **16 Apr/avr 1998** FR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BACKBONE OSTEOSYNTHESIS WITH FRAME AND WIRES
• DISPOSITIF D'OSTEOSYNTHESE RACHIDIENNE AVEC CADRE ET FILS

(71) **DIMSO (DISTRIBUTION MEDICALE DU SUD–OUEST)** [FR/FR]; Z.I. de Marticot, F–33610 Cestas (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LASSEUR, Eric** [FR/FR]; 38, rue de Poyenne, F–33000 Bordeaux (FR).

(74) **MARTIN, Jean–Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F–75116 Paris (FR).

(81) AU CA JP KR MX US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61C 3/00**

(11) **WO 99/53856** (13) A1

(21) PCT/US99/08566

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/065,344 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/143,071 **28 Aug/août 1998** US **(28.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MANDIBULAR AND MAXILLARY ARCH EXPANDER AND JAW REPOSITIONER INCLUDING PIVOTAL MOUNTING BOSS
• ELEMENTS D'ECARTEMENT DES ARCADES DENTAIRES SUPERIEURE ET INFERIEURE ET APPAREIL DE REPOSITIONNEMENT COMPRENANT UNE PROTUBERANCE DE MONTAGE A ARTICULATION

(63) US 09/143,071 (CIP) 28 Aug/août 1998 (28.08.1998)

(71, 72) **WILLIAMS, Michael, O.** [US/US]; 58 Shoreline Lane, Gulfport, MS 30053 (US).

(74) **DENK, Paul, M.**; 763 South New Ballas Road, St. Louis, MO 63141 (US).

(81) AU BR CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61C 7/00, B25B 13/06**

(11) **WO 99/53857** (13) A1

(21) PCT/US99/08780

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/064,381 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/064,353 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/064,457 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DENTAL WEDGES AND RELATED INSTRUMENTS
• COINS INTERDENTAIRES ET INSTRUMENTS ASSOCIES

(71) **ULTRADENT PRODUCTS, INC.** [US/US]; 505 West 10200 South, South Jordan, UT 84095 (US).

(72) **FISCHER, Dan, E.**; 10444 South Dimple Dell Road, Sandy, UT 84093 (US). **MCLEAN, Bruce, S.**; 8655 South 3965 West, West Jordan, UT 84088 (US).

(74) **NYDEGGER, Rick, D.** et al. / etc.; Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(a)*

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(51)[6] **A61C 7/36**

(11) **WO 99/53858** (13) A1

(21) PCT/US98/17486

(22) **24 Aug/août 1998 (24.08.1998)**

(25) en (26) en

(30) 09/063,947 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TELESCOPING, INTRA–ORAL FORCE MODULE
• MODULE DE FORCE INTRABUCCAL TELESCOPIQUE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **CLEARY, James, D.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **CHRISTOFF, James, D.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61C 7/36**

(11) **WO 99/53859** (13) A1

(21) PCT/US98/17494

(22) **24 Aug/août 1998 (24.08.1998)**

(25) en (26) en

(30) 09/063,746 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MANDIBULAR REPOSITIONING DEVICE
• DISPOSITIF DE REPOSITIONNEMENT MANDIBULAIRE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **CLEARY, James, D.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **CHRISTOFF, James, D.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(b)*

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(51)[6] **A61C 13/00, A61K 6/00, A61C 17/00**

(11) **WO 99/53860** (13) A1

(21) PCT/CH98/00149

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) de (26) de

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SET FOR IMPROVING THE BONDING AND CARE OF DENTAL PROSTHESES
• PROCEDE ET COFFRET PERMETTANT D'AMELIORER LE POUVOIR D'ADHERENCE DE PROTHESES DENTAIRES ET DE PRODIGUER LES SOINS Y AFFERENTS

(71) **BONYF AG** [LI/LI]; Heiligkreuz 16, FL–9490 Vaduz (LI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOGAERT, Jean–Pierre** [MC/MC]; Résidence l'Annonciade, 17, avenue de l'Annonciade (MC).

(74) **RIEDERER, Conrad, A.**; Bahnhofstrasse 10, CH–7310 Bad Ragaz (CH).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61C 13/00, 11/00**

(11) **WO 99/53861** (13) A1

(21) PCT/US98/07676

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR FABRICATING AND FITTING DENTURES
• PROCEDE ET APPAREIL DE FABRICATION ET D'AJUSTAGE DE PROTHESES DENTAIRES

(71) **WILLIAM J. VAN HANDEL LIVING TRUST** [US/US]; William J. Van Handel, 2800 Walton Place, El Dorado Hills, CA 95762 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VAN HANDEL, William, J.** [–/US]; 2800 Walton Place, El Dorado Hills, CA 95762 (US).

(74) **O'BANION, John, P.**; Gerber, Ritchey & O'Banion LLP, Suite 1550, 400 Capitol Mall, Sacramento, CA 95814 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A61F 2/06**

(11) **WO 99/53862** (13) A1

(21) PCT/IL98/00189

(22) **21 Apr/avr 1998 (21.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THE BALLOON EXPANDABLE SHEET STENT AND TECHNOLOGY OF ITS MANUFACTURING
• EXTENSEUR EN FEUILLE DILATE PAR BALLONNET

(71) **ISRAELI–USA FOUNDATION, LTD.** [IL/IL]; Nachum Hafzadi Street 5, 95484 Jerusalem (IL). **INTER–MED, LTD.** [IL/IL]; P.O. Box 7688, 91076 Jerusalem (IL).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **VOINOV, Valerian** [IL/IL]; Bar– Yohai Street 52/58, 93345 Jerusalem (IL).

(72, 75) **GLATMAN, Yuli** [IL/IL]; Avnei Hahoshen Street 4/3, 98450 Ma'ale Adumim (IL).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61F 2/06**

(11) **WO 99/53863** (13) A1

(21) PCT/US99/08343

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/063,160 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSMYOCARDIAL IMPLANT PROCEDURE AND TOOLS
• OPERATION RELATIVE A UN IMPLANT TRANSMYOCARDIAQUE ET INSTRUMENTS CORRESPONDANTS

(71) **HEARTSTENT CORPORATION** [US/US]; 601 Campus Drive, St. Paul, MN 55112 (US).

(72) **VANNEY, Guy, P.**; 9809 Tyler Street, Blaine, MN 55434 (US). **ODLAND, Thomas, L.**; 6367 Deerwood Lane, Lino Lakes, MN 55014 (US). **SOLIEN, Eric, E.**; 1450 West Mooney Drive, New Brighton, MN 55112 (US).

(74) **BRUESS, Steven, C.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402–4131 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 2/06**

(11) **WO 99/53864** (13) A1

(21) PCT/US99/08712

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,905 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STENT CRIMPING TOOL AND METHOD OF USE
• SERTISSEUR DE STENT ET MODE D'UTILISATION

(71) **ADVANCED CARDIOVASCULAR SYSTEMS, INC.** [US/US]; 3200 Lakeside Drive, Santa Clara, CA 95054–8167 (US).

(72) **MORALES, Stephen, A.**; 811 E. Dana street, Mountain View, CA 94041 (US).

(74) **MAHER, Pamela, G.** et al. / etc.; Fulwider Patton Lee & Utecht, LLP, 10th floor, 10877 Wilshire Boulevard, Los Angeles, CA 90024 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 2/06**

(11) **WO 99/53865** (13) A1

(21) PCT/US99/08758

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/064,738 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STENT DEPLOYMENT DEVICE AND METHOD FOR DEPLOYING A STENT
• DISPOSITIF DE DEPLOIEMENT DE PROTHESE ENDOVASCULAIRE ET PROCEDE DE DEPLOIEMENT DE PROTHESE ENDOVASCULAIRE

(71) **BOSTON SCIENTIFIC CORPORATION** [US/US]; One Boston Scientific Place, Natick, MA 01760 (US).

(72) **GEITZ, Kurt**; 38 Poplar Street, Sudbury, MA 01776 (US).

(74) **GARRETT, Arthur, S.** et al. / etc.; Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005–3315 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61F 2/06**

(11) **WO 99/53866** (13) A1

(21) PCT/US99/08829

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,587 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR RUBBER–TUBE CRIMPING TOOL WITH PREMOUNTED STENT
• PROCEDE ET APPAREIL POUR SERTISSEUSE A TUBE DE CAOUTCHOUC EQUIPEE D'UN EXTENSEUR PREASSEMBLE

(71) **ADVANCED CARDIOVASCULAR SYSTEMS, INC.** [US/US]; 3200 Lakeside Drive, Santa Clara, CA 95054–8167 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORALES, Stephen, A.** [–/US]; 811 E. Dana street, Mountain View, CA 94041 (US).

(74) **MAHER, Pamela, G.** et al. / etc.; Fulwider Patton Lee & Utecht, LLP, 10th floor, 10877 Wilshire Boulevard, Los Angeles, CA 90024 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 2/20**

(11) **WO 99/53867** (13) A1

(21) PCT/KR99/00180

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 1998/13521 **16 Apr/avr 1998** KR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ARTIFICIAL LARYNX DEVICE
• LARYNX ARTIFICIEL

(71, 72) **KIM, Kwang, Moon** [KR/KR]; 1103# 5–dong Woosung Apt., Garak–dong, Songpa–ku, Seoul 138–169 (KR). **CHOI, Hong, Shik** [KR/KR]; 406# 105–dong Hyundai 1–cha Apt., Gaipo–dong, Kangnam–ku, Seoul 135–240 (KR). **PARK, Yong, Jae** [KR/KR]; 795–34, Shiheung 4–dong, Keumchun–ku, Seoul 153–034 (KR).

(74) **CHEON, Moon, Kyu**; 301# Keun Young Building, 735–32, Yeoksam–dong, Kangnam–ku, Seoul 135–080 (KR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61F 2/20**

(11) **WO 99/53868** (13) A1

(21) PCT/NL99/00221

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) nl (26) en

(30) 1008917 **17 Apr/avr 1998** NL **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VOICE–PRODUCING PROSTHESIS
• PROTHESE VOCALE

(71) **RIJKSUNIVERSITEIT TE GRONINGEN** [NL/NL]; Broerstraat 5, NL–9712 CP Groningen (NL). **STICHTING VOOR DE TECHNISCHE WETENSCHAPPEN** [NL/NL]; Raadstede 15/19, NL–3431 HA Nieuwegein (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DE VRIES, Marinus, Pieter** [NL/NL]; Snikweg 6, NL–9831 PR Aduard (NL). **VAN DER PLAATS, Arjan** [NL/NL]; Schoolstraat 29A, NL–9712 JR Groningen (NL). **SCHUTTE, Harm, Kornelis** [NL/NL]; J.I. de Haanstraat 94, NL–9745 DM Groningen (NL). **VERKERKE, Gijsbertus, Jacob** [NL/NL]; Kamperfoelieweg 38, NL–9753 EP Haren (NL).

(74) **OTTEVANGERS, S., U.**; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL–2587 BN The Hague (NL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 2/24**

(11) **WO 99/53869** (13) A1

(21) PCT/US99/08588

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/062,822 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TWO PIECE PROSTHETIC HEART VALVE
• VALVULE PROTHETIQUE DEUX PIECES

(71) **ST. JUDE MEDICAL, INC.** [US/US]; One Lillehei Plaza, St. Paul, MN 55117 (US).

(72) **BUCHANAN, Eric, S.**; 4905 Tri Oaks Circle South, Wyoming, MN 55092 (US). **ALLAN, Bob**; 13316–94th Avenue North, Maple Grove, MN 55369 (US). **GIRARD, Michael, J.**; 6318 White Owl Drive, Lino Lakes, MN 55014 (US). **HOLMBERG, William, R.**; 234 North Starr Avenue, New Richmond, WI 54017 (US). **ANDERSON, Kimberly, A.**; 956 Coneflower Court, Eagan, MN 55123 (US).

(74) **CHAMPLIN, Judson, K.**; Westman, Champlin & Kelly, P.A., International Centre, Suite 1600, 900 Second Avenue South, Minneapolis, MN 55402–3319 (US) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 2/38**

(11) **WO 99/53870** (13) A1

(21) PCT/EP99/02757

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 16 984.1 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • KNEE HINGE PROSTHESIS WITH WEAR–RESISTANT DEVICE FOR GUIDING THE PATELLAR COMPONENTS
• PROTHESE DE L'ARTICULATION DU GENOU AVEC ELEMENT DE GUIDAGE A FAIBLE USURE POUR LA TRAJECTOIRE DES COMPOSANTS ROTULIENS

(71) **CERAMTEC AG INNOVATIVE CERAMIC ENGINEERING** [DE/DE]; Fabrikstrasse 23 – 29, D–73207 Plochingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BÄDORF, Dirk** [DE/DE]; Waldstrasse 2b, D–50226 Frechen (DE).

(74) **SCHERZBERG, Andreas** et al. / etc.; Dynamit Nobel Aktiengesellschaft, Patentabteilung, D–53839 Troisdorf (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **A61F 2/44**

(11) **WO 99/53871** (13) A1

(21) PCT/US99/08898

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,815 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ARTICULATING SPINAL IMPLANT
• IMPLANT SPINAL ARTICULE

(71) **CAUTHEN RESEARCH GROUP, INC.** [US/US]; Suite One, 6510 N.W. 9th Boulevard, Gainesville, FL 32605 (US).

(72) **CAUTHEN, Joseph, C.**; 8224 S.W. 28th Place, Gainesville, FL 32607 (US).

(74) **SALIWANCHIK, David, R.** et al. / etc.; Saliwanchik, Lloyd & Saliwanchik, Suite A–1, 2421 N.W. 41st Street, Gainesville, FL 32606–6669 (US).

(81) AE AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 5/41**

(11) **WO 99/53872** (13) A1

(21) PCT/GB99/01702

(22) **28 May/mai 1999 (28.05.1999)**

(25) en (26) en

(30) 9811946.4 **3 Jun/juin 1998** GB **(03.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PENILE ENLARGEMENT DEVICE
• DISPOSITIF POUR AGRANDIR LE PENIS

(71, 72) **NAGHAR, Monshi** [GB/GB]; 12 Holne Chase, Hampstead Garden Suburb, London N2 0QN (GB).

(74) **HOWE, Steven**; Lloyd Wise, Tregear & Co., Commonwealth House, 1–19 New Oxford Street, London WC1A 1LW (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c), (f)*

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(51)[6] **A61F 6/04**

(11) **WO 99/53873** (13) A1

(21) PCT/IT99/00002

(22) **12 Jan/jan 1999 (12.01.1999)**

(25) en (26) en

(30) RM98A000256 **22 Apr/avr 1998** IT **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MINI CONDOM
• MINI PRESERVATIF

(71, 72) **MICCICHE', Cipriano** [IT/IT]; Via Roma N. 2/E, I–92025 Casteltermini (IT).

(81) AL AM AU BG BR CA CN CU CZ CZ (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) GE HU IL JP KE KG KP KR KZ LR LS LT MD MK MX RO RU SI SK SK (Utility model / modèle d'utilité) SL TJ TR UA UG US VN YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **A61F 7/00**

(11) **WO 99/53874** (13) A1

(21) PCT/US99/08825

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/065,156 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/197,297 **20 Nov/nov 1998 (20.11.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HEAT TRANSFER BLANKET FOR AND METHOD OF CONTROLLING A PATIENT'S TEMPERATURE
• COUVERTURE DE TRANSFERT DE CHALEUR ET PROCEDE POUR CONTROLER LA TEMPERATURE D'UN PATIENT

(71) **THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM** [US/US]; 201 W. 7th Street, Austin, TX 78701 (US).

(72) **CLIFTON, Guy, L.**; 617 Little John Lane, Houston, TX 77024 (US). **MILLER, Emmy, R.**; 904 Marshall, Houston, TX 77006 (US).

(74) **GILBRETH, J., M.** et al. / etc.; Gilbreth & Strozier, P.C., P.O. Box 61305, Houston, TX 77208–1305 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 11/00**

(11) **WO 99/53875** (13) A1

(21) PCT/US99/07547

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 09/063,118 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STENT DELIVERY SYSTEM
• SYSTEME D'APPORT DE STENT

(71) **ENDOCARE, INC.** [US/US]; 7 Studebaker, Irvine, CA 92618 (US).

(72) **MIKUS, Paul, W.**; 7 Studebaker, Irvine, CA 92618 (US). **EUM, Jay, J.**; 7 Studebaker, Irvine, CA 92618 (US).

(74) **CROCKETT, K., David**; Crockett & Fish, 22362 Rosebriar, Mission Viejo, CA 92692 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61F 13/08, A61H 23/04**

(11) **WO 99/53876** (13) A1

(21) PCT/CH98/00162

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) de (26) de

(30) 902/98 **20 Apr/avr 1998 (20.04.1998)** CH

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUIT FOR PROBLEMS ASSOCIATED WITH ORTHOSTASIS
• TENUE VESTIMENTAIRE POUR PROBLEMES D'ORTHOSTASE

(71) **PROSPECTIVE CONCEPTS AG** [CH/CH]; Chüpliweg 3, CH–8702 Zollikon (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REINHARD, Andreas** [CH/CH]; Chüpliweg 3, CH–8702 Zollikon (CH).

(74) **SALGO, R., C.**; Rütistrasse 103, CH–8636 Wald (CH).

(81) AU BR CA CN CZ HU IL JP KR MX NO NZ PL TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

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(51)[6] **A61F 13/15, A61L 15/00**

(11) **WO 99/53877** (13) A1

(21) PCT/IB99/00689

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 98107288.7 **22 Apr/avr 1998 (22.04.1998)** EP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH LIQUID SUCTION ABSORBENT STRUCTURES
• STRUCTURES ABSORBANTES A FORT POUVOIR D'ASPIRATION DE LIQUIDES

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FUCHS, Christofer** [DE/DE]; Hartmurth 11, D–61476 Kronberg (DE). **PLISCHKE, Manfred** [DE/DE]; Ahornweg 18, D–61449 Steinbach (DE).

(74) **REED , T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217–1087 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 13/15**

(11) **WO 99/53878** (13) A1

(21) PCT/US98/08205

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISPOSABLE ABSORBENT ARTICLE HAVING REINFORCED EAR PANELS
• ARTICLE ABSORBANT JETABLE AVEC PANNEAUX RENFORCES PROLONGEANT LES COTES

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MIYAMOTO, Kouichi** [JP/JP]; Hakkouda Field #305, 7–5–14, Sumiyoshimiyamachi, Higashinada–ku, Kobe 658–0000 (JP). **HEKI, Yukio** [JP/JP]; 3–1–8–3–605, Koyo–cho Naka, Higashinada–ku, Kobe 658–0032 (JP). **SUGITA, Masataka** [JP/JP]; 6–1–608, Satsukigaoka Minami, Suita–shi, Osaka 565–0832 (JP).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A61F 13/15**

(11) **WO 99/53879** (13) A1

(21) PCT/US99/08390

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/063,642 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEDICAL ABSORBENT PACK SUBSTANTIALLY FREE OF UNWANTED ADHESION PROPERTIES
• TAMPON MEDICAL ABSORBANT SENSIBLEMENT DEPOURVU DE PROPRIETES D'ADHERENCE INDESIRABLES

(71, 72) **SHIPPERT, Ronald, D.** [US/US]; 4975 S. Albion Street, Littleton, CO 80121 (US).

(74) **ZINGER, David, F.** et al. / etc.; Sheridan Ross P.C., Suite 3500, 1700 Lincoln Street, Denver, CO 80203–4501 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 13/15**

(11) **WO 99/53880** (13) A1

(21) PCT/US99/08668

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,993 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FIBROUS ARTICLES HAVING ODOR ABSORPTION ABILITY AND METHOD OF MAKING SAME
• ARTICLES FIBREUX POUVANT ABSORBER LES ODEURS, ET SON PROCEDE DE FABRICATION

(71) **PLAYTEX PRODUCTS, INC.** [US/US]; 300 Nyala Farms Road, Westport, CT 06880 (US).

(72) **WILLIAMS, Karla, E.**; 102 Munsey Road, Emerson, NJ 07630 (US).

(74) **RUGGIERO, Charles, N., J.**; Ohlandt, Greeley, Ruggiero & Perle, L.L.P., 9th floor, One Landmark Square, Stamford, CT 06901–2682 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61F 13/62**

(11) **WO 99/53881** (13) A1

(21) PCT/US98/08201

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISPOSABLE ABSORBENT ARTICLES HAVING INTERNAL MECHANICAL FASTENERS
• ARTICLES ABSORBANTS JETABLES AVEC ELEMENTS DE FIXATION MECANIQUE INTERNES

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MIYAMOTO, Kouichi** [JP/JP]; Hakkouda Field #305, 7–5–14, Sumiyoshimiyamachi, Higashinada–ku, Kobe 658–0000 (JP). **HEKI, Yukio** [JP/JP]; 3–1–8–3–605, Koyo–cho Naka, Higashinada–ku, Kobe 658–0032 (JP). **SUGITA, Masataka** [JP/JP]; 6–1–608, Satsukigaoka Minami, Suita–shi, Osaka 565–0832 (JP).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A61G 7/015, A61B 19/00, 5/00**

(11) **WO 99/53882** (13) A1

(21) PCT/US99/01152

(22) **20 Jan/jan 1999 (20.01.1999)**

(25) en (26) en

(30) 09/064,214 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/198,766 **24 Nov/nov 1998** US **(24.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXAMINATION TABLE AND METHOD
• TABLE ET METHODE D'EXAMEN

(71) **AMERICAN ECHO, INC.** [US/US]; 2001 Wyandotte, Kansas City, MO 64108 (US).

(72) **SMOLER, Martin**; 2703 W. 66th Terrace, Mission, KS 66208 (US). **FALBO, Michael, G.**; 7300 N. Harrison, Gladstone, MO 64118 (US).

(74) **DICKEY, Steven, R.**; Hovey, Williams, Timmons & Collins, Suite 400, 2405 Grand Boulevard, Kansas City, MO 64108 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61G 17/00, A47B 95/02**

(11) **WO 99/53883** (13) A1

(21) PCT/US99/02786

(22) **9 Feb/fév 1999 (09.02.1999)**

(25) en (26) en

(30) 09/065,675 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CASKET HANDLE WITH SEPARATELY DEMOUNTABLE LUG
• POIGNEE DE CERCUEIL A OREILLES DEMONTABLES SEPAREMENT

(71) **CASKET HARDWARE DEVELOPMENT, LLC.** [US/US]; 136 Exchange Street, Galva, IL 61434 (US).

(72) **HAVRANEK, Scott, P.**; Apartment G–18, 3230 Quartz Lane, Fullerton, CA 92831 (US). **MARQUARDT, Brandon, J.**; 201 B North Main Street, Lake Mills, WI 53551 (US). **TEH, Kwok, Siong**; Apartment 3–A8, 1811 Willow Tree Lane, Ann Arbor, MI 48105 (US).

(74) **SAMPLES, Kenneth, H.** et al. / etc.; Fitch, Even, Tabin & Flannery, Suite 1600, 120 South LaSalle, Chicago, IL 60603 (US).

(81) AU CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61H 3/04, A61G 5/14**

(11) **WO 99/53884** (13) A1

(21) PCT/EP99/02747

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) TO98U000072 **20 Apr/avr 1998** IT **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A LIFTING AND WALKING AID FOR SICK PEOPLE
• DISPOSITIF POUR AIDER DES MALADES A SE SOULEVER ET A MARCHER

(71) **MOLLO, Piero** [IT/IT]; Strada S. Michele, 155/c, I–12042 Bra (IT).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **DELLAPIANA, Bianca** [IT/IT]; Frazione Osteria, 19, I–12050 Guarene (IT).

(74) **ROBBA, Pierpaolo** et al. / etc.; Interpatent, Via Caboto, 35, I–10129 Torino (IT).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61H 35/00**

(11) **WO 99/53885** (13) A1

(21) PCT/JP99/02119

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/110510 **21 Apr/avr 1998 (21.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BIDET DEVICE AND NOZZLE INSTALLED ON THE DEVICE
• DISPOSITIF DE BIDET ET BUSE INSTALLEE SUR CELUI–CI

(71) **MIHARA CO., LTD.** [JP/JP]; 178, Kirishima 3–chome, Miyazaki–shi, Miyazaki 880–0032 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MIHARA, Kenji** [JP/JP]; Mihara Co., Ltd., 178, Kirishima 3–chome, Miyazaki–shi, Miyazaki 880–0023 (JP).

(74) **ETO, Akira**; Koyo Building 2nd floor, 1–23, Asahi 1–chome, Miyazaki–shi, Miyazaki 880–0803 (JP).

(81) AU BR CA CN ID IN JP KR MX NZ RU SG US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61J 1/00, B65D 51/00, 41/10**

(11) **WO 99/53886** (13) A1

(21) PCT/US99/04116

(22) **25 Feb/fév 1999 (25.02.1999)**

(25) en (26) en

(30) 60/082,382 **20 Apr/avr 1998 (20.04.1998)** US

(30) 09/168,502 **8 Oct/oct 1998 (08.10.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PLASTIC CLOSURE FOR VIALS AND OTHER MEDICAL CONTAINERS
• FERMETURE EN PLASTIQUE POUR FLACONS ET AUTRES RECIPIENTS MEDICAUX

(71) **BECTON DICKINSON AND COMPANY** [US/US]; 1 Becton Drive, Franklin Lakes, NJ 07417 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **THIBAULT, Jean–Claude** [FR/FR]; 18, rue de Cuvilleux, F–38120 Saint Egrève (FR). **JANSEN, Hubert** [FR/FR]; 17, rue Flora Tristan, F–38320 Poisat (FR).

(74) **SCOTT, Raymond, E.** et al. / etc.; Howard & Howard Attorneys, P.C., Suite 101, 1400 North Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K**

(11) **WO 99/53887** (13) A2

(21) PCT/US99/04030

(22) **22 Feb/fév 1999 (22.02.1999)**

(25) en (26) en

(30) 09/028,183 **23 Feb/fév 1998 (23.02.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR THE PRODUCTION AND EXTRACTION OF MOLYBDENUM–99
• PROCEDE ET APPAREIL DE PRODUCTION ET D'EXTRACTION DE MOLYBDENE 99

(71) **TCI INCORPORATED** [US/US]; Suite 200, 1650 University Avenue N.E., Albuquerque, NM 87102 (US).

(72) **PONOMAREV–STEPNOY, Nikolai N.**; Apartment 16, Maximova Street 8, Moscow, 123098 (RU). **PAVSHOOK, Vladimir A.**; Apartment 36, Udal'tsova Street 16, Moscow, 117417 (RU). **BEBIKH, Grigoriy E.**; Building 1, Apartment 52, Matveevskaya Street 28, Moscow, 119517 (RU). **KHVOSTINOV, Vladimir Ye.**; Apartment 95, Biryuzova Street 40, Moscow, 123060 (RU). **TRUKHLYAEV, Peter S.**; Building 1, Apartment 45, Raspletina Street 4, Moscow, 123060 (RU). **SHVETSOV, Ivan K.**; Building 2, Apartment 61, Vasilevskogo Street 1, Moscow, 123098 (RU).

(74) **ROBERT W. BECKER & ASSOCIATES**; Suite B, 11896 N. Highway 14, Tijeras, NM 87059 (US).

(81) AU BR CA IL JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K**

(11) **WO 99/53888** (13) A2

(21) PCT/US99/08661

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,766 **23 Apr/avr 1998 (23.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF FABRICATION OF TRANSLUCENT DENTAL RESTORATIONS
• PROCEDE DE FABRICATION DE RESTAURATIONS DENTAIRES TRANSPARENTES

(71) **GEORGE TAUB PRODUCTS AND FUSION COMPANY** [US/US]; 277 New York Avenue, Jersey City, NJ 07307 (US).

(72) **SCHNEIDER, George, J., II**; 5030 Minton Road Northwest, Palm Bay, FL 32907 (US). **TAUB, Lawrence**; 277 New York Avenue, Jersey City, NJ 07307 (US).

(74) **SILVERMAN, Melvin, K.**; Suite 440, 4901 North Federal Highway, Fort Lauderdale, FL 33308 (US).

(81) AU BR CA CN JP; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 7/06**

(11) **WO 99/53889** (13) A1

(21) PCT/EP99/02281

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 9808310.8 **20 Apr/avr 1998 (20.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SHAMPOO COMPOSITIONS
• COMPOSITIONS DE SHAMPOOING

(71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4 4BQ (GB).
(only for / seulement pour AE AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZA ZW)

(71) **UNILEVER N.V.** [NL/NL]; Weena 455, NL–3013 AL Rotterdam (NL).
(for all designated States except / pour tous les États désignés sauf AE AU BB CA CY GB GD GH GM IE IL IN KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZA ZW)

(71) **HINDUSTAN LEVER LIMITED** [IN/IN]; Hindustan Lever House, 165/166 Backbay Reclamation, Mumbai 400 020, Maharashtra (IN).
(only for / seulement pour IN)

(72) **GALLAGHER, Peter**; Lever Faberge Deutschland GmbH, Alter Postweg 25, D–21614 Buxtehude (DE). **KREU–NOPAKUN, Tipawan**; Unilever Thai Holdings Ltd., 80/2 Srinakarin Road, Suanlaung, Bangkok 10250 (TH). **MURRAY, Andrew, Malcolm**; Unilever Research Port Sunlight, Quarry Road East, Bebington, Wirral, Merseyside L63 3JW (GB).

(74) **GRIFFITHS, Helen, Sarah**; Unilever plc, Patent Dept., Colworth House, Sharnbrook, Bedford MK44 1LQ (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 7/06, 7/50**

(11) **WO 99/53890** (13) A1

(21) PCT/US99/08540

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,232 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONDITIONING SHAMPOO
• SHAMPOOING REVITALISANT

(71) **AMWAY CORPORATION** [US/US]; 7575 Fulton Street East, Ada, MI 49355 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUVEL, Lane, A.** [US/US]; 3356 Riverwoods Drive, Rockford, MI 49341 (US).

(74) **SCHWENNING, Lynn**; Amway Corporation, 7575 Fulton Street East 78–2G, Ada, MI 49355 (US).

(81) AL AM AT AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ DE DE (Utility model / modèle d'utilité) DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 7/11**

(11) **WO 99/53891** (13) A1

(21) PCT/EP99/01961

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) en (26) en

(30) 60/082,008 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HAIRSPRAY SYSTEMS WITH LOWER ALKYL ACETATE
• SYSTEMES DE LAQUE POUR CHEVEUX, COMPRENANT UN ACETATE D'ALKYLE INFERIEUR

(71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4 4BQ (GB).
(only for / seulement pour AE AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZA ZW)

(71) **UNILEVER N.V.** [NL/NL]; Weena 455, NL–3013 AL Rotterdam (NL).
(for all designated States except / pour tous les États désignés sauf AE AU BB CA CY GB GD GH GM IE IL IN KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZA ZW)

(71) **HINDUSTAN LEVER LIMITED** [IN/IN]; Hindustan Lever House, 165/166 Backbay Reclamation, Mumbai 400 020, Maharashtra (IN).
(only for / seulement pour IN)

(72) **JONES, Francis**; Unilever Home & Personal Care USA, 3100 East Golf Road, Rolling Meadows, Chicago, IL 60008 (US).

(74) **GRIFFITHS, Helen, Sarah**; Unilever plc, Patent Dept., Colworth House, Sharnbrook, Bedford MK44 1LQ (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 7/155**

(11) **WO 99/53892** (13) A1

(21) PCT/AU99/00296

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) PP 3076 **20 Apr/avr 1998** AU **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEPILATORY COMPOSITIONS COMPRISING CHELATING AGENTS
• COMPOSITIONS DEPILATOIRES COMPRENANT DES AGENTS DE CHELATION

(71, 72) **MILLER, Matthew** [AU/AU]; 4/55 Warby Street, Campbelltown, NSW 2560 (AU).

(74) **STEARNE, Peter** et al. / etc.; Davies Collison Cave, Level 10, 10 Barrack Street, Sydney, NSW 2000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 7/16**

(11) **WO 99/53893** (13) A1

(21) PCT/US99/08772

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/065,267 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DESENSITIZING DENTIFRICE CONTAINING POTASSIUM AND TIN SALTS
• DENTIFRICE DE DESENSIBILISATION CONTENANT DES SELS DE POTASSIUM ET D'ETAIN

(71) **COLGATE–PALMOLIVE COMPANY** [US/US]; 300 Park Avenue, New York, NY 10022 (US).

(72) **GAMBOGI, Robert, J.**; 5 Manor Drive, Belle Mead, NJ 08502 (US). **FISHER, Steven, W.**; 321 Decatur Avenue, Middlesex, NJ 08846 (US). **TAVSS, Edward, A.**; 17 Kathy Street, Kendall Park, NJ 08824 (US). **JOZIAK, Marilou, T.**; 51 Burton Avenue, South River, NJ 08882 (US).

(74) **SHAPIRO, Paul**; Colgate–Palmolive Company, 909 River Road, P.O. Box 1343, Piscataway, NJ 08855–1343 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 7/42**

(11) **WO 99/53894** (13) A1

(21) PCT/EP99/02575

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 296.6 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COSMETIC OR DERMATOLOGICAL PREPARATIONS CONTAINING UNSYMMETRICALLY SUBSTITUTED TRIAZINE DERIVATIVES, REPRESENTING WATER–RESISTANT SUNSCREEN PREPARATIONS IN THE FORM OF OIL/WATER EMULSIONS
• PREPARATIONS COSMETIQUES ET DERMATOLOGIQUES AYANT UNE TENEUR EN DERIVES DE TRIAZINE SUBSTITUES DE FAÇON ASYMETRIQUE ET UNE ACTION DE PROTECTION CONTRE LA LUMIERE, CES PREPARATIONS ETANT RESISTANTES A L'EAU ET SE PRESENTANT SOUS FORME D'EMULSIONS HUILE/EAU

(71) **BEIERSDORF AG** [DE/DE]; Unnastrasse 48, D–20245 Hamburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GERS–BARLAG, Heinrich** [DE/DE]; Kiebitzgrund 11, D–25495 Kummerfeld (DE). **HARGENS, Birgit** [DE/DE]; Faberstrasse 19, D–20257 Hamburg (DE). **MÜLLER, Anja** [DE/DE]; Wiesenstrasse 5, D–23843 Rümpel (DE).

(74) **BEIERSDORF AG**; Unnastrasse 48, D–20245 Hamburg (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 7/42**

(11) **WO 99/53895** (13) A1

(21) PCT/EP99/02581

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 295.8 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USE OF UNSYMMETRICALLY SUBSTITUTED TRIAZINE DERIVATIVES IN COSMETIC OR DERMATOLOGICAL PREPARATIONS FOR MAINTAINING THE UROCANIC ACID STATUS OF THE SKIN
• UTILISATION DE DERIVES DE TRIAZINE SUBSTITUES DE FAÇON ASYMETRIQUE DAN DES PREPARATIONS COSMETIQUES OU DERMATOLOGIQUES EN VUE DE CONSERVER L'ACIDE UROCANIQUE SUR LA PEAU

(71) **BEIERSDORF AG** [DE/DE]; Unnastrasse 48, D–20245 Hamburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GERS–BARLAG, Heinrich** [DE/DE]; Kiebitzgrund 11, D–25495 Kummerfeld (DE). **HARGENS, Birgit** [DE/DE]; Fabarstrasse 19, D–20257 Hamburg (DE). **MÜLLER, Anja** [DE/DE]; Wiesenstrasse 5, D–23843 Rümpel (DE).

(74) **BEIERSDORF AG**; Unnastrasse 48, D–20245 Hamburg (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 7/50**

(11) **WO 99/53896** (13) A1

(21) PCT/JP99/01980

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/107522 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SHEET FOR CLEANING
• SERVIETTE DE NETTOYAGE

(71) **KAO CORPORATION** [JP/JP]; 14–10, Nihonbashikayabacho 1–chome, Chuo–Ku, Tokyo 103–8210 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MATSUO, Keiko** [JP/JP]; Kao Corporation Research Laboratories, 1–3, Bunka 2–chome, Sumida–ku, Tokyo 131–8501 (JP). **UMEMOTO, Isao** [JP/JP]; Kao Corporation Research Laboratories, 1–3, Bunka 2–chome, Sumida–ku, Tokyo 131–8501 (JP).

(74) **ARUGA, Mitsuyuki** et al. / etc.; Kyodo Building, 3–6, Nihonbashiningyocho 1–chome, Chuo–ku, Tokyo 103–0013 (JP).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 9/00**

(11) **WO 99/53897** (13) A2

(21) PCT/CA99/00359

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 2,235,427 **21 Apr/avr 1998** CA **(21.04.1998)**

(30) 2,257,001 **23 Dec/déc 1998** CA **(23.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FORMULATIONS FOR THE PREVENTION OR THE TREATMENT OF DISEASES AFFECTING MUCOSAE OR SKIN, OR FOR PREGNANCY PREVENTION, AND AN APPLICATOR FOR THE DELIVERY OF TOPICAL FORMULATIONS INTO MUCOSAL CAVITIES
• COMPOSITIONS DE PREVENTION OU TRAITEMENT DE MALADIES AFFECTANT LES MUQUEUSES OU LA PEAU, OU DE CONTRACEPTION, ET APPLICATEUR DESTINE A L'APPORT DE FORMULES TOPIQUES DANS DES CAVITES MUQUEUSES

(71) **INFECTIO RECHERCHE INC.** [CA/CA]; Suite 205, 2795 Laurier Boulevard, Sainte–Foy, Quebec G1V 4M7 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BERGERON, Michel, G.** [CA/CA]; 2069 Brûlard, Sillery, Quebec G1T 1G2 (CA). **DESORMEAUX, André** [CA/CA]; 7640 de Beauchastel, Neufchatel, Quebec G2C 1Y1 (CA). **OMAR, Rabeea, F.** [CA/CA]; 3035 de la Forest #24, Sainte–Foy, Quebec G1W 1L6 (CA). **JUHASZ, Julianna** [CA/CA]; 170 Gérard–Morisset, Quebec, Quebec G1S 4X3 (CA).

(74) **DUBUC, Jean, H.** et al. / etc.; Goudreau Gage Dubuc & Martineau Walker, The Stock Exchange Tower, Suite 3400, 800 Place Victoria, P.O. Box 242, Montreal, Quebec H4Z 1E9 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 9/00, 47/34, 47/02**

(11) **WO 99/53898** (13) A1

(21) PCT/GB99/01185

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808052.6 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPLANTS FOR ADMINISTERING SUBSTANCES AND METHODS OF PRODUCING IMPLANTS
• IMPLANTS POUR L'ADMINISTRATION DE SUBSTANCES ET PRODUCTION DE TELS IMPLANTS

(71) **THE SECRETARY OF STATE FOR DEFENCE** [GB/GB]; Defence Evaluation and Research Agency, Ively Road, Farnborough, Hampshire GU14 0XL (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CANHAM, Leigh, Trevor** [GB/GB]; DERA Malvern, St. Andrews Road, Malvern, Worcestershire WR14 3PS (GB). **BARRETT, Christopher, Paul** [GB/GB]; DERA Malvern, St. Andrews Road, Melvern, Worcestershire WR14 3PS (GB). **BOWDITCH, Andrew, Paul** [GB/GB]; DERA Porton Down, Salisbury, Wiltshire SP4 0JQ (GB). **COX, Timothy, Ingram** [GB/GB]; DERA Malvern, St. Andrews Road, Malvern, Worcestershire WR14 3PS (GB). **WRIGHT, Peter, John** [GB/GB]; DERA Malvern, St. Andrews Road, Malvern, Worcestershire WR14 3PS (GB).

(74) **BOWDERY, A., O.**; D/IPD DERA Formalities, A4 Building, Room G016, Ively Road, Farnborough, Hants GU14 0LX (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 9/00, 47/38, 47/02, 45/00, 31/40, 31/19, 31/35, 31/56, 38/23**

(11) **WO 99/53899** (13) A1

(21) PCT/JP99/02126

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/110887 **21 Apr/avr 1998 (21.04.1998)** JP

(30) 10/110888 **21 Apr/avr 1998 (21.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEDICINAL COMPOSITIONS FOR APPLICATION TO MUCOSA
• COMPOSITIONS MEDICINALES A APPLIQUER SUR LA MUQUEUSE

(71) **TEIJIN LIMITED** [JP/JP]; 6–7, Minamihommachi 1–chome, Chuo–ku, Osaka–shi, Osaka 541–0054 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NISHIBE, Yoshihisa** [JP/JP]; Teijin Limited, Tokyo Research Center, 3–2, Asahigaoka 4–chome, Hino–shi, Tokyo 191–0065 (JP). **KINOSHITA, Wataru** [JP/JP]; Teijin Limited, Tokyo Research Center, 3–2, Asahigaoka 4–chome, Hino–shi, Tokyo 191–0065 (JP). **KAWABE, Hiroyuki** [JP/JP]; Teijin Limited, 1–1, Uchisaiwaicho 2–chome, Chiyoda–ku, Tokyo 100–0011 (JP).

(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki, Ishida & Associates, Toranomon 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–8423 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 9/10, 47/32, 47/12, 47/14**

(11) **WO 99/53900** (13) A1

(21) PCT/US99/08643

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,098 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DRUG DELIVERY OF PROTEINS FROM POLYMERIC BLENDS
• APPORT MEDICAMENTEUX DE PROTEINES A PARTIR DE MELANGES POLYMERES

(71) **GENZYME CORPORATION** [US/US]; 1 Kendall Square, Cambridge, MA 02139 (US).

(72) **CALIAS, Pericles**; Apartment 1, 351 Summer Street, East Boston, MA 02128 (US). **MILLER, Robert, J.**; 24 Easterly Drive, East Sandwich, MA 02537 (US). **OLSON, James, R.**; 37 Gulliver Circle, Norwich, CT 06360 (US).

(74) **CHENG, Kent, H.**; Cohen, Pontani, Lieberman & Pavane, Suite 1210, 551 Fifth Avenue, New York, NY 10176 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 9/12, 9/16, 31/57**

(11) **WO 99/53901** (13) A1

(21) PCT/EP99/02535

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 9808152.4 **18 Apr/avr 1998 (18.04.1998)** GB

(30) 9814709.3 **8 Jul/juil 1998 (08.07.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHARMACEUTICAL AEROSOL FORMULATION
• FORMULATION POUR AEROSOL PHARMACEUTIQUE

(71) **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).
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(72, 75) **CAVAILLON, Pascal** [FR/FR]; Laboratoire Glaxo Wellcome, Zone Industrielle No. 2, 23, rue Lavoisier, Boîte postale 3531, F–27035 Evreux Cedex (FR). **LLORCA, Nathalie** [FR/FR]; Laboratoire Glaxo Wellcome, Zone Industrielle No. 2, 23, rue Lavoisier, Boîte postale 3531, F–27035 Evreux Cedex (FR). **LOUIS, Olivier** [FR/FR]; Laboratoire Glaxo Wellcome, Zone Industrielle No. 2, 23, rue Lavoisier, Boîte postale 3531, F–27035 Evreux Cedex (FR). **ROSIER, Patrick** [FR/FR]; Laboratoire Glaxo Wellcome, Zone Industrielle No. 2, 23, rue Lavoisier, Boîte postale 3531, F–27035 Evreux Cedex (FR).

(74) **TEUTEN, Andrew, J.**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 9/16**

(11) **WO 99/53902** (13) A1

(21) PCT/GB99/01240

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808595.4 **22 Apr/avr 1998 (22.04.1998)** GB

(30) 9810375.7 **14 May/mai 1998 (14.05.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ORALLY ADMINISTRABLE COMPOSITIONS COMPRISING CATION CROSS–LINKED POLYSACCHARIDE AND A POLYMER DIGESTIBLE IN THE LOWER GASTROINTESTINAL TRACT
• COMPOSITIONS POUVANT ETRE ADMINISTREES PAR VOIE ORALE CONTENANT DES POLYOSIDES A CATIONS RETICULES ET UN POLYMERE DIGESTIBLE DANS LE TRACTUS GASTRO–INTESTINAL INFERIEUR

(71) **GLASGOW CALEDONIAN UNIVERSITY** [GB/GB]; Cowcaddens Road, Glasgow G4 0BA (GB).
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(72, 75) **TESTER, Richard, Frank** [GB/GB]; 3 Drumbrock Road, Milngavie, Glasgow G62 7RB (GB). **KARKALAS, John** [GR/GB]; Ballagan House, Strathblane, Glasgow G63 9AE (GB).

(74) **MURGITROYD & COMPANY**; 373 Scotland Street, Glasgow G5 8QA (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 9/16**

(11) **WO 99/53903** (13) A1

(21) PCT/US99/07383

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,892 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MICROSPHERES CONTAINING CONDENSED POLYANIONIC BIOACTIVE AGENTS AND METHODS FOR THEIR PRODUCTION
• MICROSPHERES CONTENANT DES AGENTS BIOACTIFS POLYANIONIQUES CONDENSES ET PROCEDES DE PRODUCTION

(63) US 09/065,892 (CIP) 23 Apr/avr 1998 (23.04.1998)

(71) **THE REGENTS OF THE UNIVERSITY OF MICHIGAN** [US/US]; Wolverine Tower, Room 2071, 3003 South State Street, Ann Arbor, MI 48109–1280 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEVY, Robert, J.** [US/US]; 440 Merion, Merion, PA 19066 (US). **LABHASETWAR, Vinod, D.** [IN/US]; 13524 Salher Street, Omaha, NE 68164 (US). **COHEN, Hagit** [IL/IL]; Moshav Nes Harim 82, 99885 Jerusalem (IL).

(74) **CORUZZI, Laura, A.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 9/16, 31/07**

(11) **WO 99/53904** (13) A2

(21) PCT/US99/08559

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,138 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/272,893 **19 Mar/mar 1999** US **(19.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOFTGEL–COMPATIBLE COMPOSITION CONTAINING RETINOL
• COMPOSITION COMPATIBLE AVEC UN GEL MOU CONTENANT DU RETINOL

(71) **ADVANCED POLYMER SYSTEMS, INC.** [US/US]; 123 Saginaw Drive, Redwood City, CA 94063 (US). **R.P. SCHERER CORPORATION** [US/US]; Suite 222, 2301 West Big Beaver Road, Troy, MI 48084 (US).

(72) **RINALDI, Marie, A.**; Unit 311, 5279 Isla Key Boulevard, St. Petersburg, FL 33715 (US). **TUTSCHEK, Paul, C.**; 7639 Aralia Way, Largo, FL 33777 (US). **SAXENA, Subhash, J.**; 2610 Monte Cresta Drive, Belmont, CA 94002 (US).

(74) **CHOW, Y., Ping** et al. / etc.; Heller Ehrman White & McAuliffe, 525 University Avenue, Palo Alto, CA 94301–1900 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 9/26, 9/52, 47/38**

(11) **WO 99/53905** (13) A1

(21) PCT/JP98/03537

(22) **7 Aug/août 1998 (07.08.1998)**

(25) ja (26) ja

(30) 10/107349 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIPLE–UNIT SUSTAINED RELEASE TABLETS
• COMPRIMES A LIBERATION PROLONGEE A UNITES MULTIPLES

(71) **TAISHO PHARMACEUTICAL CO., LTD.** [JP/JP]; 24–1, Takata 3–chome, Toshima–ku, Tokyo 170–8633 (JP).
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(72, 75) **TSUCHIDA, Kazutaka** [JP/JP]; Taisho Pharmaceutical Co., Ltd., 24–1, Takata 3–chome, Toshima–ku, Tokyo 170–8633 (JP). **AOKI, Shinji** [JP/JP]; Taisho Pharmaceutical Co., Ltd., 24–1, Takata 3–chome, Toshima–ku, Tokyo 170–8633 (JP).

(74) **KITAGAWA, Tomizo**; Taisho Pharmaceutical Co., Ltd., Patent Division, 24–1, Takata 3–chome, Toshima–ku, Tokyo 170–8633 (JP).

(81) AU CA CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 9/70, 45/08, 31/135, 31/14, 31/165, 31/215, 31/415, 31/445, 31/55**

(11) **WO 99/53906** (13) A1

(21) PCT/JP99/01868

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) ja (26) ja

(30) 10/122758 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADHESIVE PREPARATIONS
• PREPARATIONS ADHESIVES

(71) **HISAMITSU PHARMACEUTICAL CO., INC.** [JP/JP]; 408, Tashirodaikanmachi, Tosu–shi, Saga 841–0017 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KURITA, Hisakazu** [JP/JP]; Hisamitsu Pharmaceutical Co., Inc., 25–11, Kannondai 1–chome, Tsukuba–shi, Ibaraki 305–0856 (JP). **TATEISHI, Tetsuro** [JP/JP]; Hisamitsu Pharmaceutical Co., Inc., 25–11, Kannondai 1–chome, Tsukuba–shi, Ibaraki 305–0856 (JP). **CHONO, Hideharu** [JP/JP]; Hisamitsu Pharmaceutical Co., Inc., 25–11, Kannondai 1–chome, Tsukuba–shi, Ibaraki 305–0856 (JP). **HIGO, Naruhito** [JP/JP]; Hisamitsu Pharmaceutical Co., Inc., 25–11, Kannondai 1–chome, Tsukuba–shi, Ibaraki 305–0856 (JP).

(74) **KUZUWA, Kiyoshi** et al. / etc.; Kuzuwa & Partner, Sogo Kojimachi Dai–ichi Building, 2, Kojimachi 3–chome, Chiyoda–ku, Tokyo 102–0083 (JP).

(81) AU CA CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 31/00**

(11) **WO 99/53907** (13) A2

(21) PCT/CA99/00310

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,786 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND COMPOSITION FOR TREATING PSORIASIS
• PROCEDE ET COMPOSITION POUR LE TRAITEMENT DU PSORIASIS

(71, 72) **MANTYNEN, Philip, R.** [CA/CA]; 2615 Departure Bay Road, Nanaimo, British Columbia V9S 3W2 (CA).

(74) **BAILEY, Thomas, W.**; Oyen Wiggs Green & Mutala, 480 – 601 West Cordova Street, Vancouver, British Columbia V6B 1G1 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/00**

(11) **WO 99/53908** (13) A2

(21) PCT/GB99/01220

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808562.4 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRO–DRUG CONJUGATES FOR THE TREATMENT OF STROKE AND OTHER ISCHAEMIC CONDITIONS
• CONJUGUES DE PROMEDICAMENT DESTINES AU TRAITEMENT DE L'ICTUS ET D'AUTRES ETATS ISCHEMIQUES

(71) **UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED** [GB/GB]; P.O. Box 923, Cardiff CF1 3TE (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **COTTERILL, Ann, Sheridan** [GB/GB]; 25 Upper Kincraig Street, Roath, Cardiff CF2 3HA (GB).

(74) **URQUHART–DYKES & LORD**; Alexandra House, 1 Alexandra Road, Swansea SA1 5ED (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/00**

(11) **WO 99/53909** (13) A2

(21) PCT/JP99/02144

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 10/113662 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHARMACEUTICAL COMPOSITION FOR NEUROTROPHIC ACTION
• COMPOSITION PHARMACEUTIQUE A ACTION NEUROTROPHIQUE

(71) **TAKEDA CHEMICAL INDUSTRIES, LTD.** [JP/JP]; 1–1, Doshomachi 4–chome, Chuo–ku, Osaka–shi, Osaka 541–0045 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MIYAMOTO, Masaomi** [JP/JP]; 12–11, Gotenyama 4–chome, Takarazuka–shi, Hyogo 665–0841 (JP). **KATO, Koki** [JP/JP]; 2–11–303, Kozukayama 1–chome, Tarumi–ku, Kobe–shi, Hyogo 655–0002 (JP). **ISHIHARA, Yuji** [JP/JP]; 3–8, Yamada 3–chome, Itami–shi, Hyogo 664–0874 (JP).

(74) **ASAHINA, Tadao** et al. / etc.; Osaka Plant of Takeda Chemical Industries, Ltd., 17–85, Jusohonmachi 2–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0024 (JP).

(81) AE AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/00**

(11) **WO 99/53910** (13) A2

(21) PCT/US99/08429

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,068 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FOLIC ACID–CONTAINING PHARMACEUTICAL COMPOSITIONS, AND RELATED METHODS AND DELIVERY SYSTEMS
• COMPOSITIONS PHARMACEUTIQUES CONTENANT DE L'ACIDE FOLIQUE, PROCEDES ET SYSTEMES D'ADMINISTRATION CORRESPONDANTS

(71) **ORTHO–McNEIL PHARMACEUTICAL, INC.** [US/US]; U.S. Route 202, Raritan, NJ 08869–0602 (US). **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; c/o Centers of Disease Control and Prevention Technology Transfer Office, 1600 Clifton Road NE (E67), Atlanta, GA 30333 (US).

(72) **KAFRISSEN, Michael, E.**; P.O. Box 165, Gladstone, NJ 07934 (US).

(74) **CIAMPORCERO, Audley, A.** et al. / etc.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/015, 31/045, 31/075, 31/11, 31/19, 31/215, 31/24, 31/27, 31/40, 31/41, 31/415, 31/47, 31/445, 31/535, 31/695, 31/70**

(11) **WO 99/53911** (13) A1

(21) PCT/JP99/01998

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/120011 **14 Apr/avr 1998** JP **(14.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTIFUNGAL AGENTS
• AGENTS ANTIFONGIQUES

(71) **TOA GOSEI CO., LTD.** [JP/JP]; 14–1, Nishishimbashi 1–chome, Minato–ku, Tokyo 105–8419 (JP).
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(72, 75) **NOZOE, Shigeo** [JP/JP]; 10–4, Yagiyamahoncho 1–chome, Taihaku–ku, Sendai–shi, Miyagi–ken 982–0801 (JP). **MASUDA, Jun–ichi** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **TAKAHASHI, Akira** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **KANOU, Muneaki** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **TANAKA, Ken–ichi** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **WAKAYAMA, Toshiyuki** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **KOIKE, Nobuaki** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **UCHIDA, Takayoshi** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **NAGATA, Toshiyuki** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **SEGAWA, Toshiaki** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP). **TANAKA, Sanae** [JP/JP]; Toa Gosei Co., Ltd. Tsukuba Research Laboratory, 2, Okubo, Tsukuba–shi, Ibaraki 300–2611 (JP).

(74) **SHIMIZU, Hatsushi** et al. / etc.; Kantetsu Tsukuba Building 6F, 1–1–1, Oroshi–machi, Tsuchiura–shi, Ibaraki 300–0847 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 31/12, 31/125**

(11) **WO 99/53912** (13) A1

(21) PCT/US98/07817

(22) **20 Apr/avr 1998 (20.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TOPICAL IMMUNOSTIMULATION TO INDUCE LANGERHANS CELL MIGRATION
• IMMUNOSTIMULATION TOPIQUE VISANT A INDUIRE LA MIGRATION DES CELLULES DE LANGERHANS

(71) **LIDAK PHARMACEUTICALS** [US/US]; 11077 North Torrey Pines Road, La Jolla, CA 92037 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **COWING, Carol, O.** [US/US]; 11077 North Torrey Pines Road, La Jolla, CA 92037 (US).

(74) **SIMPSON, Andrew, H.**; Knobbe, Martens, Olson & Bear, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660–8016 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A61K 31/135, 9/00, 9/70**

(11) **WO 99/53913** (13) A1

(21) PCT/US99/07774

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 60/082,187 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TOPICAL FORMULATIONS FOR THE TREATMENT OF NAIL FUNGAL DISEASES
• FORMULATIONS TOPIQUES DESTINEES AU TRAITEMENT DES MYCOSES UNGUEALES

(71) **PENEDERM, INC.** [US/US]; Suite A, 320 Lakeside Drive, Foster City, CA 94404 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHAUDHURI, Bhaskar** [IN/US]; 10281 Parlett Place, Cupertino, CA 95014 (US). **CHIM, Ming, Fai** [US/US]; 2446 38th Avenue, San Francisco, CA 94116 (US). **BUCKS, Daniel** [US/US]; 101 Lerida Avenue, Millbrae, CA 94030 (US).

(74) **EBERLE, Shelley, P.**; Cooley Godward LLP, 3000 El Camino Real, Five Palo Alto Square, Palo Alto, CA 94306–2155 (US) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/195**

(11) **WO 99/53914** (13) A1

(21) PCT/JP99/02012

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/105274 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REMEDIES FOR PRIMARY BILIARY CIRRHOSIS
• REMEDES CONTRE LA CIRRHOSE BILIAIRE PRIMITIVE

(71) **AJINOMOTO CO., INC.** [JP/JP]; 15–1, Kyobashi 1–chome, Chuo–ku, Tokyo 104–0031 (JP).
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(71, 72) **NISHIGUCHI, Shuhei** [JP/JP]; Third Dept. of Internal Medicine, Osaka University Medical School, 1–4–54, Asahimachi, Abeno–ku, Osaka–shi, Osaka 454–0051 (JP).

(72, 75) **SOUNAKA, Ichirou** [JP/JP]; Ajinomoto Co., Inc., Central Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP).

(74) **NAKAMURA, Minoru** et al. / etc.; Shin–Tokyo Building, Room 646, 3–1, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–8355 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/34, A01N 43/08**

(11) **WO 99/53915** (13) A1

(21) PCT/AU99/00284

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) PP 3034 **17 Apr/avr 1998** AU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INHIBITION OF GRAM POSITIVE BACTERIA
• INHIBITION DES BACTERIES GRAM POSITIVES

(71) **UNISEARCH LIMITED** [AU/AU]; 221–227 Anzac Parade, Kensington, NSW 2033 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KJELLEBERG, Staffan** [SE/AU]; 22 Goorawahl Avenue, La Perouse, NSW 2036 (AU). **STEINBERG, Peter, David** [US/AU]; 144 Dennison Street, Newtown, NSW 2042 (AU). **HOLMSTROM, Carola** [SE/AU]; 12/152 Brook Street, Coogee, NSW 2034 (AU). **BACK, Arthur** [AU/AU]; 24 Oswald Street, Randwick, NSW 2031 (AU).

(74) **F.B. RICE & CO.**; 605 Darling Street, Balmain, NSW 2041 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/35 // C07D 311/62**

(11) **WO 99/53916** (13) A1

(21) PCT/JP99/02063

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/125392 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTI–CHLAMYDIA AGENTS
• AGENTS ANTI–CHLAMIDIA

(71) **MITSUI NORIN CO., LTD.** [JP/JP]; 1–20, Nihombashimuromachi 3–chome, Chuo–ku, Tokyo 103–8331 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMAZAKI, Tsutomu** [JP/JP]; 7–10–6, Kitamachi, Nerima–ku, Tokyo 179–0081 (JP). **HARA, Yukihiko** [JP/JP]; 2–2–7, Minamisurugadai, Fujieda–shi, Shizuoka 426–0078 (JP).

(74) **KUBOTA, Fujio** et al. / etc.; E–1, Building, 3–12, Nihombashi 3–chome, Chuo–ku, Tokyo 103–0027 (JP).

(81) AU CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(51)[6] **A61K 31/35, 31/05, 31/09, 31/12**

(11) **WO 99/53917** (13) A1

(21) PCT/US99/08769

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,589 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 60/095,993 **10 Aug/août 1998** US **(10.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CANNABINOIDS AS ANTIOXIDANTS AND NEUROPROTECTANTS
• CANNABINOIDES COMME ANTI-OXYDANTS ET NEUROPROTECTEURS

(71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; Office of Technology Transfer, Suite #325, 6011 Executive Boulevard, Rockville, MD 20852–3804 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAMPSON, Aidan, J.** [GB/US]; 4607 Connecticut Avenue, N.W., Washington, DC 20008 (US). **AXELROD, Julius** [US/US]; 10401 Grosvenor Place, Rockville, MD 20852 (US). **GRIMALDI, Maurizio** [IT/US]; 5622 Southwick Street, Bethesda, MD 20817 (US).

(74) **NOONAN, William, D.**; Klarquist, Sparkman, Campbell, Leigh & Whinston, LLP, One World Trade Center – Suite 1600, 121 S.W. Salmon Street, Portland, OR 97204 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/44, 9/28, 47/02, 47/32, 47/38**

(11) **WO 99/53918** (13) A1

(21) PCT/JP99/02098

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/109288 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STABILIZED COMPOSITIONS CONTAINING BENZIMIDAZOLE–TYPE COMPOUNDS
• COMPOSITIONS STABILISEES CONTENANT DES COMPOSES DU TYPE BENZIMIDAZOLE

(71) **EISAI CO., LTD.** [JP/JP]; 6–10, Koishikawa 4–chome, Bunkyo–ku, Tokyo 112–8088 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **UKAI, Koji** [JP/JP]; STEP Inoue 203, 3–3–1, Yabutaminami, Gifu–shi, Gifu 500–8384 (JP). **ICHIKAWA, Masaki** [JP/JP]; 4016–129, Hitana, Tsuchiura–shi, Ibaraki 300–0065 (JP). **KATO, Takashi** [JP/JP]; Seravi 203, 3–16–2, Azuma, Tsukuba–shi, Ibaraki 305–0031 (JP). **SUGAYA, Yukiko** [JP/JP]; 3–305–302, Matsushiro, Tsukuba–shi, Ibaraki 305–0035 (JP). **SUZUKI, Yasuyuki** [JP/JP]; 2520–4, Kamiyokoba, Tsukuba–shi, Ibaraki 305–0854 (JP). **AOKI, Shigeru** [JP/JP]; 2–15, Midorimachi, Kawashimacho, Hashima–gun, Gifu 501–6027 (JP). **KATO, Akira** [JP/JP]; 5–2–27, Matsushiro, Tsukuba–shi, Ibaraki 305–0035 (JP). **KAWAMURA, Masao** [JP/JP]; 67–13, Shimonodo, Honjo–shi, Saitama 367–0063 (JP). **FUJIOKA, Satoshi** [JP/JP]; 39–1, Aza Funairi, Umayose, Imaisecho, Ichinomiya–shi, Aichi 491–0051 (JP).

(74) **FURUYA, Kaoru** et al. / etc.; Nihonbashi TM Building, 1–8–11, Nihonbashi–Horidomecho, Chuo–ku, Tokyo 103–0012 (JP).

(81) CA CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 31/445**

(11) **WO 99/53919** (13) A1

(21) PCT/US99/08786

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808479.1 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TREATMENT OF GENERALIZED ANXIETY DISORDER WITH PAROXETINE
• TRAITEMENT DE TROUBLE ANXIEUX GENERALISE AVEC DE LA PAROXETINE

(71) **SMITHKLINE BEECHAM CORPORATION** [US/US]; One Franklin Plaza, Philadelphia, PA 19103 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZANINELLI, Rocco** [US/US]; 1250 South Collegeville Road, P.O. Box 5089, Collegeville, PA 19426–0989 (US).

(74) **DUSTMAN, Wayne, J.** et al. / etc.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406–0939 (US).

(81) AE AL AU BA BB BG BR CA CN CZ EE GE GH GM HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/455, 31/465, 31/44 // (A61K 31/455, 31:44) (A61K 31/465, 31:44)**

(11) **WO 99/53920** (13) A1

(21) PCT/EP99/02686

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 198 18 044.6 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USE OF VITAMIN PP COMPOUNDS
• UTILISATION de composés de vitamine PP

(71) **KLINGE PHARMA GMBH** [DE/DE]; Berg–am–Laim–Strasse 129, D–81673 Munich (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BIEDERMANN, Elfi** [DE/DE]; Zugspitzstrasse 93, D–85591 Vaterstetten (DE). **HASMANN, Max** [DE/DE]; Lerchenweg 9, D–82061 Neuried (DE). **LÖSER, Roland** [DE/DE]; Fichtenweg 2, D–82340 Feldafing (DE). **RATTEL, Benno** [DE/DE]; Eichelhäherstrasse 3, D–81249 Munich (DE). **REITER, Friedemann** [DE/DE]; Zugspitzstrasse 36, D–85640 Putzbrunn (DE). **SCHEIN, Barbara** [DE/DE]; Sudetenweg 4, D–85375 Neufahrn (DE). **SCHEMAINDA, Isabel** [DE/DE]; Hörwarthstrasse 47, D–80804 Munich (DE). **SEIBEL, Klaus** [DE/DE]; Haberlstrasse 9, D–82166 Gräfelfing (DE). **VOGT, Klaus** [DE/DE]; St.–Cajetan–Strasse 32, D–81669 Munich (DE). **WOSIKOWSKI, Katja** [DE/DE]; Seerosenstrasse 3, D–85586 Poing (DE).

(74) **FÜCHSLE, Klaus** et al. / etc.; Hoffmann . Eitle, Arabellastrasse 4, D–81925 München (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/455, 31/70**

(11) **WO 99/53921** (13) A1

(21) PCT/IT99/00088

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) RM98A000238 **17 Apr/avr 1998** IT **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITION COMPRISING L–CARNITINE OR AN ALKANOYL L–CARNITINE AND NADH AND/OR NADPH

• COMPOSITION COMPRENANT DE LA L–CARNITINE OU UN ALCANOYL L–CARNITINE ET NADH ET/OU NADPH

(71) **SIGMA–TAU HEALTHSCIENCE S.P.A.** [IT/IT]; Via Treviso, 4, I–00040 Pomezia (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CAVAZZA, Claudio** [IT/IT]; Piazza Campitelli, 2, I–00186 Roma (IT).

(74) **CAVATTONI, Fabio** et al. / etc.; Cavattoni – Raimondi, Viale dei Parioli, 160, I–00197 Roma (IT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/485, 31/44, 31/13 // (A61K 31/485, 31:44) (A61K 31/44, 31:13)**

(11) **WO 99/53922** (13) A1

(21) PCT/US99/08808

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,754 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANALGESIC COMPOSITIONS COMPRISING NMDA–ANTAGONISTS AND ABT–594
• COMPOSITION ANALGESIQUE CONTENANT DES ANTAGONISTES NMDA ET ABT–594

(71) **ALGOS PHARMACEUTICAL CORPORATION** [US/US]; 1333 Campus Parkway, Neptune, NJ 07753 (US).

(72) **CARUSO, Frank, S.**; 2 Bowling Green, Colts Neck, NJ 07722 (US).

(74) **DILWORTH, Peter, G.** et al. / etc.; Dilworth & Barrese, 333 Earle Ovington Boulevard, Uniondale, NY 11553 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/505**

(11) **WO 99/53923** (13) A1

(21) PCT/AU99/00294

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) PP 3107 **22 Apr/avr 1998** AU **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHARMACEUTICAL COMPOSITION
• COMPOSITION PHARMACEUTIQUE

(71) **SOLTEC RESEARCH PTY. LTD.** [AU/AU]; 8 Macro Court, Rowville, VIC 3178 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WAI–CHIU SO, Tony** [AU/AU]; 7 Marsden Crescent, Doncaster East, VIC 3109 (AU). **DEO, Peter, Paul** [AU/AU]; 3/119 Atkinson Street, Oakleigh, VIC 3166 (AU). **TAIT, Russell, John** [AU/AU]; 33 Campbell Road, Deepdene, VIC 3103 (AU).

(74) **NOONAN, Greg** et al. / etc.; Freehills Patent Attorneys, Level 47, 101 Collins Street, Melbourne, VIC 3000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/505, 31/53, 31/535 // C07D 401/14, 471/04**

(11) **WO 99/53924** (13) A1

(21) PCT/JP99/01982

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/107681 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANALGETIC AGENT
• AGENT ANALGESIQUE

(71) **KYOWA HAKKO KOGYO CO., LTD.** [JP/JP]; 6–1, Otemachi 1–chome, Chiyoda–ku, Tokyo 100–8185 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHIMADA, Junichi** [JP/JP]; Royal Hills Nibankan #305, 98–1, Nameri, Nagaizumi–cho, Sunto–gun, Sizuoka 411–0933 (JP). **SHIRAI, Tomomi** [JP/JP]; 413, Jizoudo, Nakaizu–cho, Tagata–gun, Sizuoka 410–2515 (JP). **OKAMURA, Yuko** [JP/JP]; 151–1–306, Honjuku, Nagaizumi–cho, Sunto–gun, Sizuoka 411–0945 (JP). **KOSAKA, Nobuo** [JP/JP]; 904–31, Nakatogari, Nagaizumi–cho, Sunto–gun, Sizuoka 411–0942 (JP).

(74) **IMAMURA, Masazumi** et al. / etc.; KRF Building, 5th floor, 5–5, Kyobashi 1–chome, Chuo–ku, Tokyo 104–0031 (JP).

(81) AU BG BR CA CN CZ HU ID IL IN JP KR MX NO NZ PL RO SG SI SK UA US VN ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 31/56, 31/685**

(11) **WO 99/53925** (13) A1

(21) PCT/US99/08413

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,114 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHYTOSTEROL FORMULATIONS TO LOWER CHOLESTEROL ABSORPTION
• FORMULATIONS DE PHYTOSTEROL PERMETTANT DE DIMINUER L'ABSORPTION DE CHOLESTEROL

(63) US 60/082,114 (CON) 17 Apr/avr 1998 (17.04.1998)

(71) **MEDICAL ISOTOPES INC.** [US/US]; 9 Valleyview Road, Pelham, NH 03076 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STOHLER, Eric** [US/US]; 9 Valleyview Road, Pelham, NH 03076 (US).

(74) **FREEMAN, John, W.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (US).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 31/58**

(11) **WO 99/53926** (13) A1

(21) PCT/SE99/00426

(22) **18 Mar/mar 1999 (18.03.1999)**

(25) en (26) en

(30) 9801368–3 **20 Apr/avr 1998** SE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USE OF A GLUCOCORTICOSTEROID FOR THE MANUFACTURE OF A MEDICAMENT FOR TREATING MILD/EARLY FORMS OF COPD (CHRONIC OBSTRUCTIVE PULMONARY DISEASE)
• UTILISATION D'UN GLUCOCORTICOSTEROIDE DANS LA PREPARATION D'UN MEDICAMENT PERMETTANT DE TRAITER LES FORMES LEGERES/PRECOCES DE BPCO (BRONCHOPNEUMOPATHIE CHRONIQUE OBSTRUCTIVE)

(71) **ASTRA AKTIEBOLAG** [SE/SE]; S–151 85 Södertälje (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PERSSON, Carl, Göran** [SE/SE]; Astra Draco AB, P.O. Box 34, S–221 00 Lund (SE). **BRATTSAND, Ralph** [SE/SE]; Astra Draco AB, P.O. Box 34, S–221 00 Lund (SE). **OHLSSON, Stefan** [SE/SE]; Astra Draco AB, P.O. Box 34, S–221 00 Lund (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/60, G01N 33/92, C12N 15/11, 15/54, 9/00, C12Q 1/48 // C12N 9/12, G01N 33/68**

(11) **WO 99/53927** (13) A1

(21) PCT/US99/08364

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,152 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 60/082,741 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS FOR TREATING AND PREVENTING INSULIN RESISTANCE AND RELATED DISORDERS
• PROCEDES POUR TRAITER ET PREVENIR LA RESISTANCE A L'INSULINE ET LES TROUBLES QUI Y SONT LIES

(71) **TRUSTEES OF TUFTS COLLEGE** [US/US]; 136 Harrison Avenue, Boston, MA 02111 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GREENBERG, Andrew, S.** [US/US]; 711 Washington Street, Boston, MA 02111 (US).

(74) **CLAUSS, Isabelle** et al. / etc.; Foley, Hoag & Eliot, LLP, One Post Office Square, Boston, MA 02109 (US).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 31/675, 31/44, 31/60**

(11) **WO 99/53928** (13) A1

(21) PCT/CA99/00331

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,173 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TREATMENT OF IATROGENIC AND AGE–RELATED HYPERTENSION AND PHARMACEUTICAL COMPOSITIONS USEFUL THEREIN
• TRAITEMENT DE L'HYPERTENSION IATROGENE ET LIEE AU VIEILLISSEMENT ET COMPOSITIONS PHARMACEUTIQUES UTILES A CET EFFET

(71) **UNIVERSITY OF MANITOBA** [CA/CA]; 202 Administration Building, 56 Chancellors Circle, Winnipeg, Manitoba R3T 2N2 (CA). **MEDICURE INC.** [CA/CA]; 24–62 Scurfield Boulevard, Winnipeg, Manitoba R3Y 1M5 (CA).

(72) **DAKASHINAMURTI, Krishnamurti**; 9934 Crest View Park Drive, Winnipeg, Manitoba R2Y 0V7 (CA). **SETHI, Rajat**; 68 Sauve Crescent, Winnipeg, Manitoba R2N 3K9 (CA). **DHALLA, Naranjan, S.**; 52 Riverpoint, Winnipeg, Manitoba R2M 5N6 (CA).

(74) **HIRONS, Robert, G.**; Ridout & Maybee, 18th floor, 150 Metcalfe Street, Ottawa, Ontario K2P 1P1 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/70, 9/00, 9/02**

(11) **WO 99/53929** (13) A1

(21) PCT/CA99/00218

(22) **12 Mar/mar 1999 (12.03.1999)**

(25) en (26) en

(30) 2,234,936 **17 Apr/avr 1998** CA **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITION FOR AND TREATMENT OF INFLAMMATORY BOWEL DISEASE BY COLON ADMINISTRATION OF N–ACETYLGLUCOSAMINE
• COMPOSITION ET METHODE PERMETTANT DE TRAITER LES AFFECTIONS INFLAMMATOIRES DE L'INTESTIN PAR ADMINISTRATION INTRA–COLIQUE DE N–ACETYLGLUCOSAMINE

(71) **GLUCOGENICS PHARMACEUTICALS INC.** [CA/CA]; 2985 Dollarton Highway, North Vancouver, British Columbia V7H 1B1 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MURCH, Simon** [GB/GB]; University Dept. of Paediatric Gastroenterology, Royal Free Hospital, London NW3 2QG (GB). **FRENCH, Ian, W.** [CA/CA]; 6905 Highway 9, R.R. 1, Caledon East, Ontario L0N 1E0 (CA).

(74) **OYEN, Gerald, O., S.**; Oyen Wiggs Green & Mutala, #480 – The Station, 601 West Cordova Street, Vancouver, British Columbia V6B 1G1 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 31/70**

(11) **WO 99/53930** (13) A1

(21) PCT/US99/08481

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,568 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/195,921 **19 Nov/nov 1998** US **(19.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYNTHETIC GLYCOAMINES AND METHODS FOR THEIR USE, ALONE OR IN COMBINATION WITH OTHER THERAPIES, THAT AFFECT CELL ADHESION, INHIBIT CANCER CELL GROWTH AND METASTASIS, AND INDUCE APOPTOSIS
• GLYCOAMINES SYNTHETIQUES ET LEURS PROCEDES D'UTILISATION, SEULES OU COMBINEES A D'AUTRES THERAPIES, SERVANT A INFLUENCER L'ADHESION CELLULAIRE, A INHIBER LA CROISSANCE ET LA METASTASE DE CELLULES CANCEREUSES ET A PROVOQUER L'APOPTOSE

(63) US 09/064,568 (CIP) 22 Apr/avr 1998 (22.04.1998)
US 09/195,921 (CIP) 19 Nov/nov 1998 (19.11.1998)

(71, 72) **GLINSKII, Guennadi, V.** [UA/US]; Metastat, Inc., 10835 Altman Row, San Diego, CA 92121 (US).

(74) **SREJOVIC, Nina, K.** et al. / etc.; McCutchen, Doyle, Brown & Enersen, Three Embarcadero Center, San Francisco, CA 94111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **A61K 35/00, 48/00, C12N 15/85, 15/86**

(11) **WO 99/53931** (13) A1

(21) PCT/US99/08399

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,334 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/265,211 **10 Mar/mar 1999** US **(10.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TUMOR CELLS WITH INCREASED IMMUNOGENICITY AND USES THEREOF
• CELLULES TUMORALES A IMMUNOGENICITE ACCRUE ET LEURS UTILISATIONS

(71) **UNIVERSITY OF MARYLAND BALTIMORE COUNTY** [US/US]; 1000 Hilltop Circle, Baltimore, MD 21250 (US).

(71, 72) **TERMAN, David, S.** [US/US]; P.O. Box 6447, Carmel, CA 93921 (US).

(72) **OSTRAND–ROSENBERG, Suzanne**; 9527 Caboose Court, Columbia, MD 21045 (US).

(74) **McQUADE, Paul, F.** et al. / etc.; Pillsbury Madison & Sutro LLP, 1100 New York Avenue, N.W., Washington, DC 20005 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 35/74**

(11) **WO 99/53932** (13) A1

(21) PCT/SE99/00608

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) sv (26) en

(30) 9801337–8 **17 Apr/avr 1998** SE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STREPTOCOCCUS PREPARATION
• PREPARATION A BASE DE STREPTOCOQUES

(71) **BACTERUM AB** [SE/SE]; Glimmervägen 5E, S–907 40 Umeå (SE).
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(72, 75) **GRAHN HÅKANSSON, Eva** [SE/SE]; Nygatan 74, S–903 31 Umeå (SE). **ROOS, Kristian** [SE/SE]; Skrattmåsgången 15, S–421 69 Västra Frölunda (SE). **HOLM, Stig** [SE/SE]; Gimonäsvägen 25, S–902 40 Umeå (SE).

(74) **AWAPATENT AB**; P.O. Box 5117, S–200 71 Malmö (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 35/78, C07H 15/256, C07J 63/00**

(11) **WO 99/53933** (13) A1

(21) PCT/CA99/00333

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,262 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR RECOVERY AND PURIFICATION OF SAPONINS AND SAPOGENINS FROM QUINOA (*CHENOPODIUM QUINOA*)
• PROCEDE DE RECUPERATION ET DE PURIFICATION DE SAPONINES ET DE SAPOGENINES PROVENANT DE QUINOA (*CHENOPODIUM QUINOA*)

(71) **HER MAJESTY THE QUEEN IN RIGHT OF CANADA as represented by THE MINISTER OF AGRIGULTURE AND AGRI–FOOD CANADA** [CA/CA]; Saskatoon Research Centre, 107 Science Place, Saskatoon, Saskatchewan S7N 0X2 (CA).

(72) **MUIR, Alister, D.**; 210 Konihowski Road, Saskatoon, Saskatchewan S7S 1B1 (CA). **PATON, David**; 422 Anglin Court, Saskatoon, Saskatchewan S7J 5G1 (CA). **BALLANTYNE, Krista**; 2206 York Avenue, Saskatoon, Saskatchewan S7J 1J1 (CA). **AUBIN, Andrew, A.**; 371 Delaronde Road, Saskatoon, Saskatchewan S7J 3Y5 (CA).

(74) **GALE, Edwin, J.** et al. / etc.; Kirby, Eades, Gale, Baker, Box 3432, Station D, Ottawa, Ontario K1P 6N9 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 35/78**

(11) **WO 99/53934** (13) A1

(21) PCT/DK99/00212

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,969 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROSE–HIP FORMULATIONS AS ANTI–INFLAMMATORY NATURAL MEDICINE FOR ALLEVIATING/REDUCING SYMPTOMS ASSOCIATED WITH INFLAMMATION AND ARTHRITIS
• FORMULATIONS DE CYNORRHODON UTILISEES COMME MEDICAMENT ANTI–INFLAMMATOIRE NATUREL PERMETTANT D'ATTENUER/DIMINUER LES SYMPTOMES ASSOCIES A L'INFLAMMATION ET A L'ARTHRITE

(71) **HANSEN, Otto, Torbjørn** [DK/DK]; Klavsebøllevej 2, Tullebølle, DK–5953 Tranekaer (DK). **HANSEN, Marianne** [DK/DK]; Klavsebøllevej 2, Tullebølle, DK–5953 Tranekaer (DK).
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(72, 75) **KHARAZMI, Arsalan** [DK/DK]; Bernstorffsvej 8, DK–2900 Hellerup (DK). **WINTHER, Kaj** [DK/DK]; Tørskindvej 94, DK–7183 Randbøl (DK). **REIN, Eydbjørg** [DK/DK]; Tørskindvej 94, DK–7183 Randbøl (DK).

(74) **LARSEN & BIRKEHOLM A/S SKANDINAVISK PATENTBUREAU**; Banegårdspladsen 1, P.O. Box 362, DK–1570 Copenhagen V (DK).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 35/78**

(11) **WO 99/53935** (13) A1

(21) PCT/DK99/00213

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 0532/98 **16 Apr/avr 1998** DK **(16.04.1998)**

(30) PA 1998 01344 **20 Oct/oct 1998** DK **(20.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL SYNERGISTIC COMPOSITIONS CONTAINING AROMATIC COMPOUNDS AND TERPENOIDS PRESENT IN ALPINIA GALANGA
• NOUVELLES COMPOSITIONS SYNERGIQUES CONTENANT DES COMPOSES AROMATIQUES ET DES TERPENOIDES PRESENTS CHEZ ALPINIA GALANGA

(71) **IDA DEVELOPMENT A/S** [DK/DK]; Symbion Science Park, Fruebjergvej 3, DK–2100 Copenhagen Ø (DK).
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(72, 75) **WEIDNER, Morten, Sloth** [DK/DK]; Solbakken 7, DK–2830 Virum (DK). **PETERSEN, Morten, Just** [DK/DK]; P.D. Løvs Allé 9B 3.tv., DK–2200 Copenhagen N (DK). **JACOBSEN, Nina** [DK/DK]; Falkonervænget 29 3.th., DK–1952 Frederiksberg C (DK).

(74) **HOFMAN–BANG & BOUTARD, LEHMANN & REE A/S**; Hans Bekkevolds Allé 7, DK–2900 Hellerup (DK).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 35/78**

(11) **WO 99/53936** (13) A1

(21) PCT/JP99/02031

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/107509 **17 Apr/avr 1998** JP **(17.04.1998)**

(30) 10/110679 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HYPOGLYCEMIC AGENTS
• AGENTS HYPOGLYCEMIQUES

(71) **SHANGHAI MEIJI HEALTH PHARMACEUTICAL CORP., LTD.** [CN/CN]; 530 Ling Ling Road, Shanghai (CN).
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(72, 75) **JI, Zai–Si** [CN/CN]; Shanghai Meiji Health Pharmaceutical Corp., Ltd., 530 Ling Ling Road, Shanghai (CN). **ITOH, Hiroyuki** [JP/CN]; Shanghai Meiji Health Pharmaceutical Corp., Ltd., 530 Ling Ling Road, Shanghai (CN). **WANG, Xiao, Lin** [CN/CN]; Shanghai Meiji Health Pharmaceutical Corp., Ltd., 530 Ling Ling Road, Shanghai (CN). **TAO, Jian, Sheng** [CN/CN]; Shanghai College of Traditional Chinese Medicine, 530 Ling Ling Road, Shanghai (CN).

(74) **ARUGA, Mitsuyuki** et al. / etc.; Kyodo Building, 3–6, Nihonbashiningyocho 1–chome, Chuo–ku, Tokyo 103–0013 (JP).

(81) AU CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 35/84**

(11) **WO 99/53937** (13) A1

(21) PCT/JP99/02074

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/109812 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMMUNOPOTENTIATORS AND ANTITUMOR AGENTS
• AGENTS IMMUNOSTIMULANTS ET ANTITUMORAUX

(71) **EISHOGEN CO., LTD.** [JP/JP]; 25–9, Nishigotanda 7–chome, Shinagawa–ku, Tokyo 141–0031 (JP). **OJI PAPER CO., LTD.** [JP/JP]; 7–5, Ginza 4–chome, Chuo–ku, Tokyo 104–0061 (JP).
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(72, 75) **SHIBATA, Masaru** [JP/JP]; 16–16, Ueno–cho, Kameyama–shi, Mie 519–0112 (JP). **KOJIMA, Yasushi** [JP/JP]; Research Center, Eishogen Co., Ltd., 98, Kushibiki, Fukaya–shi, Saitama 366–0815 (JP). **UKAWA, Yuuichi** [JP/JP]; Research Center, Eishogen Co., Ltd., 98, Kushibiki, Fukaya–shi, Saitama 366–0815 (JP). **HARA, Hiroshi** [JP/JP]; 49–9, Midori–cho, Kameyama–shi, Mie 519–0106 (JP). **ITO, Hitoshi** [JP/JP]; 3–10, Shiroyama 2–chome, Tsu–shi, Mie 514–0818 (JP). **HISAMATSU, Makoto** [JP/JP]; 448–27, Kan–nonji–cho, Tsu–shi, Mie 514–0062 (JP).

(74) **NAKAMURA, Masami**; Kojima Building, 1–3, Higashimukojima 6–chome, Sumida–ku, Tokyo 131–0032 (JP).

(81) CA CN KR RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 38/00, C07K 5/00, 16/00, 14/00, C12N 15/85, C07H 21/04**

(11) **WO 99/53938** (13) A1

(21) PCT/US99/06875

(22) **24 Mar/mar 1999 (24.03.1999)**

(25) en (26) en

(30) 09/062,422 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/165,546 **2 Oct/oct 1998** US **(02.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ISOLATED PEPTIDES CORRESPONDING TO AMINO ACID SEQUENCES OF NY–ESO–1, WHEREIN BIND TO MHC CLASS I AND MHC CLASS II MOLECULES, AND USES THEREOF
• PEPTIDES ISOLES CORRESPONDANT A DES SEQUENCES D'ACIDES AMINES DE NY–ESO–1 QUI SE LIENT A DES MOLECULES MHC DE CLASSE I ET MHC DE CLASSE II, ET LEURS UTILISATIONS

(71) **LUDWIG INSTITUTE FOR CANCER RESEARCH** [CH/US]; 605 Third Avenue, New York, NY 10158 (US).

(72) **STOCKERT, Elisabeth**; 1275 York Avenue, New York, NY 10021 (US). **JAGER, Elke**; Steinbacher Hohl 2–28, D–60488 Frankfurt am Main (DE). **CHEN, Yao–tseng**; 525 East 68th Street, New York, NY 10021 (US). **SCANLAN, Matthew**; 1275 York Avenue, New York, NY 10021 (US). **ALEXANDER, Knuth**; Steinbacher Hohl 2–28, D–60488 Frankfurt am Main (DE). **OLD, Lloyd, J.**; 605 Third Avenue, New York, NY 10105 (US). **GURE, Ali**; 1275 York Avenue, New York, NY 10021 (US). **RITTER, Gerd**; 1275 York Avenue, New York, NY 10021 (US).

(74) **HANSON, Norman, D.**; Fulbright & Jaworski L.L.P., 666 Fifth Avenue, New York, NY 10103–3198 (US).

(81) AU CA CN JP KR NZ ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 38/00, 38/18, 38/19**

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(21) PCT/US99/08604

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,320 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TREATMENT OF OSTEOPOROSIS WITH LEPTIN
• TRAITEMENT DE L'OSTEOPOROSE PAR LA LEPTINE

(71) **MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH** [US/US]; 200 First Street S.W., Rochester, MN 55905 (US).
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(72, 75) **BURGUERA, Bartolome** [ES/US]; 1103 8th Avenue S.W., Rochester, MN 55902 (US). **THOMAS, Thierry** [FR/FR]; 15, rue Ambroise Pare, F–42023 Saint–Etienne Cedex 2 (FR). **RIGGS, B., Lawrence** [US/US]; 432 10th Avenue S.W., Rochester, MN 55902 (US).

(74) **McCORMICK GRAHAM, Monica**; Fish & Richardson P.C., P.A., Suite 3300, 60 South Sixth Street, Minneapolis, MN 55402 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 38/04, 38/16, 39/09, C07H 21/04, C12N 15/63**

(11) **WO 99/53940** (13) A1

(21) PCT/US99/08895

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,728 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PNEUMOCOCCAL SURFACE PROTEIN C(PspC), EPITOPIC REGIONS AND STRAIN SELECTION THEREOF, AND USES THEREFOR
• PROTEINE DE SURFACE PNEUMOCOCCIQUE C(PSPC), REGIONS EPITOPES ET SELECTION DE SOUCHES D'UNE TELLE PROTEINE, ET UTILISATIONS CORRESPONDANTES

(71) **UNIVERSITY OF ALABAMA AT BIRMINGHAM** [US/US]; 658 BBRB, UAB Station, Birmingham, AL 35294–2170 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BRILES, David, E.** [US/US]; 760 Linwood Road, Birmingham, AL 35222 (US). **HOLLINGSHEAD, Susan, K.** [US/US]; 1008 32nd Street South, Birmingham, AL 35205 (US). **BROOKS–WALTER, Alexis** [US/US]; 2005 Russett Woods Trail, Birmingham, AL 35244 (US).

(74) **FROMMER, William, S.** et al. / etc.; Frommer Lawrence & Haug LLP, 745 Fifth Avenue, New York, NY 10151 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 38/05, 38/06, 47/14, 9/48, 9/107**

(11) **WO 99/53941** (13) A1

(21) PCT/JP99/02006

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/104993 **15 Apr/avr 1998** JP **(15.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ORAL PREPARATIONS CONTAINING TRH DERIVATIVES
• PREPARATIONS ORALES CONTENANT DES DERIVES DE TRH

(71) **SHIONOGI & CO., LTD.** [JP/JP]; 1–8, Doshomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0045 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SUGITA, Katsuji** [JP/JP]; 3–9–11, Shimizu, Asahi–ku, Osaka–shi, Osaka 535–0021 (JP). **SATOH, Norihito** [JP/JP]; 6–3–1–604, Denpou, Konohana–ku, Osaka–shi, Osaka 554–0002 (JP). **YOSHIKAWA, Takanori** [JP/JP]; 3–3–13, Hinomine, Kita–ku, Kobe–shi, Hyogo 651–1233 (JP).

(74) **YAMAUCHI, Hideaki**; Shionogi & Co., Ltd., Patent Dept., 12–4, Sagisu 5–chome, Fukushima–ku, Osaka–shi, Osaka 553–0002 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 38/17**

(11) **WO 99/53942** (13) A1

(21) PCT/US99/08793

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/064,832 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITIONS AND METHODS FOR THE PREVENTION AND TREATMENT OF CARDIOVASCULAR DISEASES
• COMPOSITIONS ET METHODES DE PREVENTION ET DE TRAITEMENT DE MALADIES CARDIOVASCULAIRES

(71) **AMGEN INC.** [US/US]; One Amgen Center Drive, Thousand Oaks, CA 91320–1799 (US).

(72) **SIMONET, Scott**; 2293 Watertown Court, Thousand Oaks, CA 91360 (US). **SAROSI, Ildiko**; 587F North Ventu Park Road #139, Newbury Park, CA 91320 (US).

(74) **ODRE, Steven, M.** et al. / etc.; Amgen, Inc., One Amgen Center Drive, Thousand Oaks, CA 91320–1799 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 38/18, 9/26, 9/127, 48/00**

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(21) PCT/US99/08420

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,155 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THERAPEUTIC ANGIOGENIC FACTORS AND METHODS FOR THEIR USE
• FACTEURS ANGIOGENIQUES THERAPEUTIQUES ET PROCEDES D'UTILISATION

(71) **ANGIOGENIX, INCORPORATED** [US/US]; P.O. Box 235, Palo Alto, CA 94302 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **COLLEY, Kenneth, J.** [US/US]; 1020 Greenwood Drive, Menlo Park, CA 94025 (US).

(74) **JOHNSTON, Madeline, I.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304–1018 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 38/22**

(11) **WO 99/53944** (13) A1

(21) PCT/ES99/00101

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) es (26) es

(30) P 9800814 **17 Apr/avr 1998** ES **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR TREATING THE ENDOTOXIC SHOCK IN MAMMALS

- PROCEDE DE TRAITEMENT DU CHOC ENDOTOXIQUE CHEZ LES MAMMIFERES

(71) **UNIVERSIDAD COMPLUTENSE DE MADRID RECTORADO** [ES/ES]; Avenida de Séneca, 2, E–28040 Madrid (ES).
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(72, 75) **PEREZ GOMARIZ, Rosa** [ES/ES]; Facultad de Ciencias Biológicas, Departamento de Biología Celular, E–28040 Madrid (ES). **LECETA MARTINEZ, Javier** [ES/ES]; Facultad de Ciencias Biológicas, Departamento de Biología Celular, E–28040 Madrid (ES). **DELGADO MORA, Mario** [ES/ES]; Facultad de Ciencias Biológicas, Departamento de Biología Celular, E–28040 Madrid (ES). **MARTINEZ MORA, Carmen** [ES/ES]; Facultad de Ciencias Biológicas, Departamento de Biología Celular, E–28040 Madrid (ES).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 39/00**

(11) **WO 99/53945** (13) A1

(21) PCT/CA99/00304

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 2,234,921 **16 Apr/avr 1998** CA **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- NEVRON GROWTH INHIBITORY MOLECULES OR DERIVATIVES THEREOF USED TO IMMUNIZE MAMMALS THEREBY PROMOTING AXON REGENERATION
- MOLECULES INHIBANT LA CROISSANCE NEURONALE OU LEURS DERIVES UTILISES POUR IMMUNISER DES MAMMIFERES ET AINSI FAVORISER LA REGENERATION DE L'AXONE

(71, 72) **DAVID, Samuel** [CA/CA]; 58 Oxford, Baie d'Urfe, Quebec H9X 2T5 (CA). **McKERRACHER, Lisa, Joan** [CA/CA]; 5555 Notre Dame des Gras Avenue, Montreal, Quebec H4A 1L6 (CA). **BRAUN, Peter, Erich** [CA/CA]; 4098 Highland Avenue, Montreal, Quebec H3G 1Y6 (CA).

(74) **MBM & CO.**; P.O. Box 809, Station B, Ottawa, Ontario K1P 5P9 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 39/00, C07K 1/107, 14/00**

(11) **WO 99/53946** (13) A1

(21) PCT/GB99/01206

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808485.8 **21 Apr/avr 1998** GB **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- MODIFICATIONS OF ANTIGENS BY THE INTRODUCTION OF ALDEHYDE GROUPS AND THEIR USE IN ENHANCING THE IMMUNE RESPONSE
- MODIFICATION D'ANTIGENES PAR INTRODUCTION DE GROUPES ALDEHYDE ET LEUR UTILISATION AFIN D'AMPLIFIER UNE REACTION IMMUNE

(71) **CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LIMITED** [GB/GB]; The Old Schools, Cambridge CB2 1TS (GB).
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(72, 75) **FEARON, Douglas, Thomas** [US/GB]; University of Cambridge, School of Clinical Medicine, Dept. of Medicine, Wellcome Trust Immunology Unit, Hills Road, Cambridge CB2 2SP (GB). **ALLISON, Michael** [GB/GB]; University of Cambridge, School of Clinical Medicine, Dept. of Medicine, Wellcome Trust Immunology Unit, Hills Road, Cambridge CB2 2SP (GB).

(74) **BRASNETT, Adrian, H.** et al. / etc.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 39/00**

(11) **WO 99/53947** (13) A1

(21) PCT/JP99/02008

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/109517 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- Th2–MIGRATION PROMOTERS CONTAINING W/O EMULSIONS
- PROMOTEURS DE LA MIGRATION DE Th2 CONTENANT DES EMULSIONS EAU–DANS–HUILE

(71) **SHIONOGI & CO., LTD.** [JP/JP]; 1–8, Doshomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0045 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MASUDA, Kazuyoshi** [JP/JP]; 7–78–1, Nagaomotomachi, Hirakata–shi, Osaka 573–0163 (JP). **HORIE, Kazutoshi** [JP/JP]; 603–1, Tsutsui–cho, Yamatokooriyama–shi, Nara 639–1123 (JP). **SUZUKI, Ryuji** [JP/JP]; 3–1–21, Midorigaoka, Heguri–cho, Ikoma–gun, Nara 636–0941 (JP).

(74) **YAMAUCHI, Hideaki**; Shionogi & Co., Ltd., Patent Dept., 12–4, Sagisu 5–chome, Fukushima–ku, Osaka–shi, Osaka 553–0002 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 39/00, 39/118, 49/00, G01N 33/571**

(11) **WO 99/53948** (13) A1

(21) PCT/US99/08744

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,438 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 60/082,588 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 60/086,450 **22 May/mai 1998** US **(22.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- CHLAMYDIA PROTEINS AND THEIR USES
- PROTEINES DE CHLAMYDIA ET LEURS UTILISATIONS

(71) **THE STATE OF OREGON, acting by and through THE OREGON STATE BOARD OF HIGHER EDUCATION, on behalf of OREGON STATE UNIVERSITY** [US/US]; Office of Technology Transfer, 312 Kerr Administration Building, Corvallis, OR 97331–2140 (US).
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(72, 75) **ROCKEY, Daniel, D.** [US/US]; 3625 N.W. Jackson Street, Corvallis, OR 97330 (US). **BANNANTINE, John, P.** [US/US]; 903 Yuma, Ames, IA 50014 (US).

(74) **BELL, Adam, W.**; Klarquist, Sparkman, Campbell, Leigh & Whinston, LLP, Suite 1600, One World Trade Center, 121 S.W. Salmon Street, Portland, OR 97204 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 39/00**

(11) **WO 99/53949** (13) A2

(21) PCT/US99/08889

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/064,964 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/168,832 **8 Oct/oct 1998** US **(08.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VACCINE ADJUVANTS FOR IMMUNOTHERAPY OF MELANOMA
• ADJUVANTS FAISANT OFFICE DE VACCINS PERMETTANT L'IMMUNISATION CONTRE LES MELANOMES

(63) US 09/064,964 (CON) 23 Apr/avr 1998 (23.04.1998)
US 09/168,832 (CON) 8 Oct/oct 1998 (08.10.1998)

(71) **ARCH DEVELOPMENT CORPORATION** [US/US]; 5640 Ellis Avenue, Chicago, IL 60637 (US).
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(72, 75) **GAJEWSKI, Thomas, F.** [US/US]; 1362 E. Madison Park #3, Chicago, IL 60615 (US). **FALLARINO, Francesca** [IT/IT]; Eitta' Della Pieve, I–06062 S. Litardo 26 (IT).

(74) **WILSON, Mark, B.**; Arnold White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 39/12, 39/155, 38/21 // (A61K 39/12, 38:21) (A61K 39/155, 38:21)**

(11) **WO 99/53950** (13) A2

(21) PCT/US99/08530

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,196 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LIVE VACCINES AND METHODS OF TREATMENT THEREWITH
• VACCINS VIVANTS ET METHODES DE TRAITEMENT ASSOCIEES

(71) **EMBREX, INC.** [US/US]; P.O. Box 13989, Research Triangle Park, NC 27709–3989 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **POSTON, Rebecca, M.** [US/US]; 500 Lafayette Drive, Hillsborough, NC 27278 (US). **JOHNSTON, Paul, A.** [US/US]; 3505 Cottonwood Drive, Durham, NC 27707–2429 (US). **DOELLING, Vivian, W.** [US/US]; 209 Whisperwood, Cary, NC 27511 (US). **JOHNSON, Brian, D.** [US/US]; 2106F Duck Pond Circle, Morrisville, NC 27560 (US).

(74) **MAGRI, Karen, A.** et al. / etc.; Myers, Bigel, Sibley & Sajovec, P.A., P.O. Box 37428, Raleigh, NC 27627 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 39/385, A01N 37/00, 43/02, 31/14, C08F 283/00**

(11) **WO 99/53951** (13) A1

(21) PCT/US99/08373

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,305 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TERMINALLY–BRANCHED POLYMERIC LINKERS AND POLYMERIC CONJUGATES CONTAINING THE SAME
• LIEURS POLYMERIQUES A RAMIFICATION TERMINALE ET CONJUGUES POLYMERIQUE RENFERMANT CES LIEURS

(71) **ENZON, INC.** [US/US]; 20 Kingsbridge Road, Piscataway, NJ 08854 (US).

(72) **MARTINEZ, Anthony, J.**; 20 Weybourne Road, Hamilton Square, NJ 08690 (US). **PENDRI, Annapurna**; 1221 Town Colony Drive, Middletown, CT 06457 (US). **GREENWALD, Richard, B.**; 113 Hickory Road, Somerset, NJ 08873 (US). **CHOE, Yun, H.**; 2 Gemma Court, Piscataway, NJ 08854 (US).

(74) **MERCANTI, Michael, N.** et al. / etc.; Roberts & Mercanti, L.L.P., P.O. Box 484, Princeton, NJ 08542–0484 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 39/395, G01N 33/531**

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(21) PCT/RU98/00143

(22) **18 May/mai 1998 (18.05.1998)**

(25) ru (26) ru

(30) 98106976 **20 Apr/avr 1998** RU **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING A SPECIFIC ANTISERUM AGAINST THE UNIVERSAL TUMOROUS ANTIGEN AND METHOD FOR DIAGNOSING MALIGNANT TUMOURS USING SAID ANTISERUM
• PROCEDE PERMETTANT D'OBTENIR UN ANTISERUM SPECIFIQUE CONTRE L'ANTIGENE TUMORAL UNIVERSEL ET PROCEDE DE DIAGNOSTIC DE TUMEURS MALIGNES A L'AIDE DE CET ANTISERUM

(71) **BERLIN, Genis Alejandro** [–/UY]; Juan Paullier 3081, Montevideo (UY). **BARBOT, Guillermo Martin Assandri** [UY/UY]; Apartamento 801, AV, Brasil 2679, Montevideo (UY). **CESPEDES, Alvaro Joaquin Luongo** [UY/UY]; Apartamento 3, Ignacio Nunez 2381, Montevideo (UY). **ALFONSIN, Javier Lamas** [UY/UY]; Eugenio Garzon 425, Montevideo (UY).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **ERKHOV, Valentin Sergeevich** [RU/RU]; ul. Schepkina, 18–15, Moscow, 129090 (RU).

(74) **GRUNINA, Alla Efimovna**; Yustis, a/ya 115, Moscow, 121165 (RU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A61K 39/395, 38/21, 31/70, 38/17, 31/20, 31/55, 31/505, 35/00, 38/00, G01N 33/574, C12N 15/11**

(11) **WO 99/53953** (13) A2

(21) PCT/US99/06874

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 60/082,250 **17 Apr/avr 1998 (17.04.1998)** US

(30) 60/094,519 **29 Jul/juil 1998 (29.07.1998)** US

(30) 60/101,580 **24 Sep/sep 1998 (24.09.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS AND PRODUCTS RELATED TO METABOLIC INTERACTIONS IN DISEASE
• METHODES ET PRODUITS CONCERNANT LES INTERACTIONS METABOLIQUES DANS LES MALADIES

(71) **UNIVERSITY OF VERMONT** [US/US]; Burlington, VT 05405 (US).

(72) **NEWELL, Martha, K.**; 1 Dion Street, Winooski, VT 05405 (US).

(74) **LOCKHART, Helen, C.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 39/395, C12P 21/08, C07K 16/28**

(11) **WO 99/53954** (13) A1

(21) PCT/US99/08606

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,413 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USE OF IMMUNOTOXINS TO INDUCE IMMUNE TOLERANCE TO PANCREATIC ISLET TRANSPLANTATION
• UTILISATION D'IMMUNOTOXINES POUR INDUIRE UNE TOLERANCE IMMUNITAIRE SUITE A UNE TRANSPLANTATION D'ILOTS DE LANGHERANS

(71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; National Institutes of Health, Suite 325, 6011 Executive Boulevard, Rockville, MD 20852–3804 (US). **THE UAB RESEARCH FOUNDATION** [US/US]; 707 20th Street South, AB 1120 G, Birmingham, AL 32594–0111 (US).

(72) **NEVILLE, David, M.**; 9624 Parkwood Drive, Bethesda, MD 20814 (US). **THOMAS, Judith, M.**; 2117 Brook Highland Ridge, Birmingham, AL 35242 (US). **THOMAS, Francis, T.**; 2117 Brook Highland Ridge, Birmingham, AL 35242 (US).

(74) **SPRATT, Gwendolyn, D.**; Needle & Rosenberg, P.C., Suite 1200, 127 Peachtree Street, N.E., Atlanta, GA 30303–1811 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 39/395, A61L 27/00, 33/00, G01N 33/577**

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(21) PCT/US99/08763

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,685 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CREATION OF BIOACTIVE SURFACES THROUGH SELECTIVE ADSORPTION
• CREATION DE SURFACES BIOACTIVES PAR ADSORPTION SELECTIVE

(71) **DESMOS, INC.** [US/US]; 3550 General Atomics Court, San Diego, CA 92121 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **FITCHMUN, Mark** [US/US]; 3937 Southview Drive, San Diego, CA 92117 (US).

(74) **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson & Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 45/00, 31/195 // C07C 229/50**

(11) **WO 99/53956** (13) A1

(21) PCT/JP99/01992

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/106412 **16 Apr/avr 1998 (16.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REMEDIES FOR OBESITY
• REMEDES CONTRE L'OBESITE

(71) **YAMANOUCHI PHARMACEUTICAL CO., LTD.** [JP/JP]; 3–11, Nihonbashi–Honcho 2–chome, Chuo–ku, Tokyo 103–8411 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **OKADA, Masamichi** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba–shi, Ibaraki 305–8585 (JP). **WANIBUCHI, Fumikazu** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba–shi, Ibaraki 305–8585 (JP). **TAKEUCHI, Hiromi** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba–shi, Ibaraki 305–8585 (JP). **ITAHANA, Hirotsune** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba–shi, Ibaraki 305–8585 (JP).

(74) **NAGAI, Shozo** et al. / etc.; Yamanouchi Pharmaceutical Co., Ltd., Patent Dept., 17–1, Hasune 3–chome, Itabashi–ku, Tokyo 174–8612 (JP).

(81) AE AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LV MD MG MK MN MW MX NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 47/30**

(11) **WO 99/53957** (13) A1

(21) PCT/JP98/01766

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ESTRADIOL–CONTAINING PERCUTANEOUS ABSORPTION PREPARATIONS
• PREPARATIONS A ABSORPTION PERCUTANEE CONTENANT DE L'ESTRADIOL

(71) **LEAD CHEMICAL CO., LTD.** [JP/JP]; 77–3, Himata, Toyama–shi, Toyama–ken 930–0912 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORI, Masao** [JP/JP]; 248, Tenshoji, Toyama–shi, Toyama–ken 930–0955 (JP). **YAMA, Seijiro** [JP/JP]; Casa Tomioka 105, 440–1, Tomioka–cho, Toyama–shi, Toyama–ken 930–0928 (JP). **MATSUZAWA, Takayasu** [JP/JP]; 3–6, Shinjo–cho 1–chome, Toyama–shi, Toyama–ken 930–0992 (JP).

(74) **HANABUSA, Tsuneo** et al. / etc.; Hanabusa Patent Office, Ochanomizu Square B, 6, Kandasurugadai 1–chome, Chiyoda–ku, Tokyo 101–0062 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A61K 47/48, 38/39, 39/395, 38/19, 31/405 // C07K 19/00, (A61K 47/48, 38:39) (A61K 47/48, 31:405)**

(11) **WO 99/53958** (13) A2

(21) PCT/US99/08376

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,166 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENHANCEMENT OF ANTIBODY–CYTOKINE FUSION PROTEIN MEDIATED IMMUNE RESPONSES BY CO–ADMINISTRATION WITH PROSTAGLANDIN INHIBITOR
• AMELIORATION DES REPONSES IMMUNITAIRES DONT LA MEDIATION EST ASSUREE PAR UNE PROTEINE DE FUSION ANTICORPS–CYTOKINE, VIA COADMINISTRATION DE CETTE PROTEINE DE FUSION AVEC UN INHIBITEUR DE PROSTAGLANDINE

(71) **LEXIGEN PHARMACEUTICALS CORPORATION** [US/US]; 125 Hartwell Avenue, Lexington, MA 02421 (US).

(72) **GILLIES, Stephen, D.**; 159 Sunset Road, Carlisle, MA 01741 (US).

(74) **BRODOWSKI, Michael, H.**; Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 48/00, C12N 7/02**

(11) **WO 99/53959** (13) A2

(21) PCT/EP99/02100

(22) **25 Mar/mar 1999 (25.03.1999)**

(25) en (26) en

(30) 98201254.4 **20 Apr/avr 1998** EP **(20.04.1998)**

(30) 98202249.3 **3 Jul/juil 1998** EP **(03.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USE OF VIRAL VECTORS FOR TREATMENT OF THE INJURED PERIPHERAL AND CENTRAL NERVOUS SYSTEM
• UTILISATION DE VECTEURS VIRAUX DANS LE TRAITEMENT DE BLESSURES DU SYSTEME NERVEUX PERIPHERIQUE ET CENTRAL

(71) **KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN** [NL/NL]; Kloveniersburgwal 29, NL–1011 JV Amsterdam (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDERSON, Patrick, Norval** [GB/GB]; 16 Chesham Avenue, Petts Wood, Orpington, Kent BR5 1AA (GB). **ZHANG, Yi** [GB/GB]; 469 Whitton Avenue West, Greenford, Middlesex UB6 0DX (GB). **DIJKHUIZEN, Paul, Alexander** [NL/NL]; 2de Helmersstraat 45hs, NL–1054 BX Amsterdam (NL). **VERHAAGEN, Joost** [NL/NL]; Veemkade 1102, NL–1019 BX Amsterdam (NL). **HERMENS, Wilhelmus, Theodorus, Johannes, Marie, Christiaan** [NL/NL]; Peggy Ashcroftstraat 32, NL–1325 KH Almere (NL).

(74) **VAN SOMEREN, Petronella, Francisca, Hendrika, Maria**; Arnold & Siedsma, Sweelinckplein 1, NL–2517 GK The Hague (NL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 48/00**

(11) **WO 99/53960** (13) A2

(21) PCT/US99/08802

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,600 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENHANCING IMMUNE RESPONSES TO GENETIC IMMMUNIZATION
• PROCEDE POUVANT AMELIORER DES REPONSES IMMUNITAIRES A UNE IMMUNISATION GENETIQUE

(63) US 60/082,600 (CIP) 22 Apr/avr 1998 (22.04.1998)

(71) **CHIRON CORPORATION** [US/US]; Intellectual Property – R440, P.O. Box 8097, Emeryville, CA 94622–8097 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PALIARD, Xavier** [US/US]; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94622–8097 (US).

(74) **HARBIN, Alisa, A.** et al. / etc.; Chiron Corporation, Intellectual Property – R440, P.O. Box 8097, Emeryville, CA 49662–8097 (US).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 48/00, C12N 15/00, 15/11, 15/63, 15/85, 15/86**

(11) **WO 99/53961** (13) A1

(21) PCT/US99/08884

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,891 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PEPTIDES FOR EFFICIENT GENE TRANSFER
• PEPTIDES PERMETTANT UN TRANSFERT GENIQUE EFFICACE

(63) US 09/065,891 (CIP) 23 Apr/avr 1998 (23.04.1998)

(71) **THE REGENTS OF THE UNIVERSITY OF MICHIGAN** [US/US]; Wolverine Tower, Room 2071, 3003 South State Street, Ann Arbor, MI 48109–1280 (US).
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(72, 75) **BONADIO, Jeffrey, F.** [US/US]; 1870 Briar Ridge Drive, Ann Arbor, MI 48108 (US). **LABHASETWAR, Vinod, D.** [IN/US]; 13524 Salher Street, Omaha, NE 68164 (US). **LEVY, Robert, J.** [US/US]; 440 Merion, Merion, PA 19066 (US). **RICE, Kevin, G.** [US/US]; 2340 Alder Court, Ann Arbor, MI 48108 (US).

(74) **CORUZZI, Laura, A.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 49/00, 41/00**

(11) **WO 99/53962** (13) A1

(21) PCT/CH99/00163

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) fr (26) fr

(30) 98/05425 **22 Apr/avr 1998 (22.04.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLUTION FOR DIAGNOSING OR TREATING TISSUE PATHOLOGIES
• SOLUTION POUR LE DIAGNOSTIC OU LE TRAITEMENT DE LESIONS TISSULAIRES

(71, 72) **MARTI, Alexandre** [CH/CH]; Chemin Champ–Baron 12, CH–1209 Genève (CH). **LANGE, Norbert** [DE/CH]; Rue Saint–Roch 23, CH–1004 Lausanne (CH). **ZELLWEGER, Matthieu** [CH/CH]; Chemin des Cottages 10, CH–1007 Lausanne (CH). **WAGNIERES, George** [CH/CH]; Chemin de la Brume 6, CH–1110 Morges (CH). **VAN DEN BERGH, Hubert** [NL/CH]; La Bergerie, CH–1376 Goumoens–la–Ville (CH). **JICHLINSKI, Patrice** [CH/CH]; Chemin du Chêne 8, CH–1052 Le Mont–sur–Lausanne (CH). **KUCERA, Pavel** [CH/CH]; La Loutière, Chemin de Ratavolar 8, Montblesson, CH–1000 Lausanne 27 (CH).

(74) **NITHARDT, Roland**; Cabinet Roland Nithardt, Conseils en Propriété Industrielle S.A., Y–Parc, rue Galilée 9, CH–1400 Yverdon–les–Bains (CH).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61K 49/00, 41/00**

(11) **WO 99/53963** (13) A1

(21) PCT/GB99/01221

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808599.6 **22 Apr/avr 1998 (22.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVEMENTS IN OR RELATING TO CONTRAST AGENTS
• AMELIORATIONS APPORTEES A DES AGENTS DE CONTRASTE OU EN RAPPORT AVEC CES AGENTS

(63) US 60/084,880 (CIP) 8 May/mai 1998 (08.05.1998)

(71) **MARSDEN, John, Christopher** [GB/GB]; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).
(only for / seulement pour GB)

(71) **NYCOMED IMAGING AS** [NO/NO]; Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ERIKSEN, Morten** [NO/NO]; Nycomed Imaging as, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **TOLLESHAUG, Helge** [NO/NO]; Nycomed Imaging as, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **SKURTVEIT, Roald** [NO/NO]; Nycomed Imaging as, Nycoveien 2, P.O. Box 4222 Torshov, N–0401 Oslo (NO). **CUTHBERTSON, Alan** [GB/NO]; Nycomed Imaging as, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **ØSTENSEN, Jonny** [NO/NO]; Nycomed Imaging as, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **FRIGSTAD, Sigmund** [NO/NO]; Frode Rinnans vie 68, N–7035 Trondheim (NO). **RONGVED, Pål** [NO/NO]; Nycomed Imaging as, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO).

(74) **MARSDEN, John, Christopher** et al. / etc.; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 49/00**

(11) **WO 99/53964** (13) A1

(21) PCT/GB99/01228

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808582.2 **22 Apr/avr 1998 (22.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ULTRASOUND CONTRAST AGENT DISPERSIONS COMPRISING GAS AND DESTABILISING AGENT
• DISPERSIONS AVEC AGENT DE CONTRASTE AUX ULTRASONS RENFERMANT UN GAZ ET UN AGENT DESTABILISANT

(63) US 60/084,881 (CIP) 8 May/mai 1998 (08.05.1998)

(71) **MARSDEN, John, Christopher** [GB/GB]; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).
(only for / seulement pour GB)

(71) **NYCOMED IMAGING AS** [NO/NO]; Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SKURTVEIT, Roald** [NO/NO]; Nycomed Imaging AS, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **HJELSTUEN, Olaug** [NO/NO]; Nycomed Imaging AS, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **ØSTENSEN, Jonny** [NO/NO]; Nycomed Imaging AS, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO).

(74) **MARSDEN, John, Christopher** et al. / etc.; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61K 49/00, 41/00**

(11) **WO 99/53965** (13) A1

(21) PCT/GB99/01234

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808581.4 **22 Apr/avr 1998 (22.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVEMENTS IN OR RELATING TO CONTRAST AGENTS
• AMELIORATIONS RELATIVES A DES AGENTS DE CONTRASTE

(63) US 60/084,882 (CIP) 8 May/mai 1998 (08.05.1998)

(71) **MARSDEN, John, Christopher** [GB/GB]; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).
(only for / seulement pour GB)

(71) **NYCOMED IMAGING AS** [NO/NO]; Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BALINOV, Balin** [BG/NO]; Nycomed Imaging AS, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **SKURTVEIT, Roald** [NO/NO]; Nycomed Imaging AS, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **WIGGEN, Unni, Nordby** [NO/NO]; Nycomed Imaging AS, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO). **ØSTENSEN, Jonny** [NO/NO]; Nycomed Imaging AS, Nycoveien 2, P.O. Box 4220 Torshov, N–0401 Oslo (NO).

(74) **MARSDEN, John, Christopher** et al. / etc.; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61L 2/10, 2/20**

(11) **WO 99/53966** (13) A1

(21) PCT/DK99/00214

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808286.0 **17 Apr/avr 1998** GB **(17.04.1998)**

(30) BA 1998 00270 **21 Jul/juil 1998** DK **(21.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN APPARATUS AND A METHOD FOR STERILISING A MEMBER
• DISPOSITIF ET PROCEDE DE STERILISATION D'UN ELEMENT

(71, 72) **BUSTED, Tommy** [DK/DK]; Lange Müllers Gade 25, DK–2100 København Ø (DK).

(74) **PLOUGMANN, VINGTOFT & PARTNERS A/S**; Sankt Annæ Plads 11, DK–1250 København K (DK).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61L 9/12**

(11) **WO 99/53967** (13) A1

(21) PCT/ES99/00106

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) es (26) es

(30) P 9800850 **22 Apr/avr 1998** ES **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ODORIFEROUS DEVICE
• DISPOSITIF ODORIFERANT

(71) **ARCHIVEL TECHNOLOGIES, S.L.** [ES/ES]; Calle Diputación, 246, E–08007 Barcelona (ES).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARTINEZ MARTINEZ, José** [ES/ES]; Calle Diputación, 246, E–08007 Barcelona (ES).

(74) **SUGRAÑES MOLINE, Pedro**; Calle Provenza, 304, E–08008 Barcelona (ES).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61L 15/24, 15/28, 27/00, C08K 3/38, C08L 29/04, C08F 8/42**

(11) **WO 99/53968** (13) A1

(21) PCT/GB99/01033

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808461.9 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLID BORATE–DIOL INTERACTION PRODUCTS FOR USE IN WOUNDS
• PRODUITS SOLIDES D'INTERACTION BORATE–DIOL UTILISES EN TANT QU'AGENTS DE CICATRISATION

(71) **ADVANCED MEDICAL SOLUTIONS LIMITED** [GB/GB]; Road Three, Winsford Industrial Estate, Winsford, Cheshire CW7 3PD (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RENN, Donald, Walter** [US/US]; 4 Brewster Point, Glen Cove, ME 04846–0088 (US).

(74) **ATKINSON, Peter, Birch**; Marks & Clerk, Suusex House, 83–85 Mosley Street, Manchester M2 3LG (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61L 25/00**

(11) **WO 99/53969** (13) A1

(21) PCT/EP99/02582

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 16 934.5 **16 Apr/avr 1998** DE **(16.04.1998)**

(30) 60/087,342 **29 May/mai 1998** US **(29.05.1998)**

(30) 198 48 597.2 **21 Oct/oct 1998** DE **(21.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PREPARATION FOR REGENERATING COLLAGEN
• PREPARATION DE REGENERATION DE COLLAGENE

(71, 72) **DIETZ, Georg** [DE/DE]; Mauerkircher Strasse 120, D–81925 München (DE).

(74) **HENKEL, FEILER & HÄNZEL**; Möhlstrasse 37, D–81675 München (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61L 27/00**

(11) **WO 99/53970** (13) A1

(21) PCT/DE99/01215

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) de (26) de

(30) 198 17 698.8 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • UTILIZATION OF AN AUTOPOLYMERIZING ORGANOSILOXANE–BASED COMPOUND
• UTILISATION D'UNE COMPOSITION AUTOPOLYMERISABLE A BASE D'ORGANOSILOXANE

(71, 72) **ZÖLLNER, Jan** [DE/DE]; Gartenfeldstrasse 18, D–65307 Bad Schwalbach (DE). **EYSEL, Peer** [DE/DE]; Ronneburgblick 6, D–63505 Langenselbold (DE).

(74) **WEBER – SEIFFERT – LIEKE**; Gustav–Freytag–Strasse 25, Postfach 61 45, D–65051 Wiesbaden (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61L 27/00**

(11) **WO 99/53971** (13) A1

(21) PCT/GB99/01170

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808189.6 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BONE IMPLANT
• IMPLANT OSSEUX

(71) **UNIVERSITY COLLEGE LONDON** [GB/GB]; Rowland Hill Street, London NW3 2PF (GB). **UNISEARCH LIMITED** [AU/AU]; Unisearch House, 221–227 Anzac Parade, Kensington, NSW (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REVELL, Peter, Allen** [GB/GB]; 17 Willowdene Court, Warley, Brentwood, Essex CM14 5ET (GB). **HOWLETT, Cameron, Rolfe** [GB/AU]; 49 McIntosh Street, Gordon, NSW 2072 (AU).

(74) **DANIELS, Jeffrey, Nicholas** et al. / etc.; Page White & Farrer, 54 Doughty Street, London WC1N 2LS (GB).

(81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **A61L 31/00, C04B 35/01, A61N 1/05**

(11) **WO 99/53972** (13) A1

(21) PCT/SE99/00645

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9801405–3 **22 Apr/avr 1998** SE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPLANT
• IMPLANT

(71) **PACESETTER AB** [SE/SE]; S–175 84 Järfälla (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LJUNGSTRÖM, Karin** [SE/SE]; Markviksvägen 24 A, S–165 59 Hässelby (SE). **NILSSON, Kenth** [SE/SE]; Trälhavsvägen 42, S–184 60 Åkersberga (SE). **LIDMAN, Johan** [SE/SE]; Krukmakargatan 63, S–117 41 Stockholm (SE). **KJELLMAN, Charlotte** [SE/SE]; Värtavägen 31, S–115 29 Stockholm (SE).

(74) **PACESETTER AB**; Patent Dept., S–175 84 Järfälla (SE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M**

(11) **WO 99/53973** (13) A2

(21) PCT/US99/08358

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,107 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYRINGE FOR USE IN FLUID–HANDLING APPARATUS
• SERINGUE DESTINEE A UN APPAREIL DE MANUTENTION DES FLUIDES

(71) **CDC TECHNOLOGIES, INC.** [US/US]; One Great Hill Road, Oxford, CT 06478 (US).

(72) **CARVER, Edward, L., Jr.**; One Great Hill Road, Oxford, CT 06478 (US). **ANTOCI, Frank**; 97 High Park Avenue, Stratford, CT 06497 (US).

(74) **GIARRATANA, Mark, D.** et al. / etc.; Cummings & Lockwood, Granite Square, 700 State Street, New Haven, CT 06509–1960 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M**

(11) **WO 99/53974** (13) A2

(21) PCT/US99/08870

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,352 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPLANTABLE CENTRIFUGAL BLOOD PUMP WITH HYBRID MAGNETIC BEARINGS
• POMPE A SANG CENTRIFUGE A ROULEMENTS MAGNETIQUES HYBRIDES

(71) **UNIVERSITY OF UTAH** [US/US]; Suite 170, 421 Wakara Way, Salt Lake City, UT 84121 (US). **MEDQUEST PRODUCTS, INC.** [US/US]; Suite NE107, 825 North 300 West, Salt Lake City, UT 84103 (US). **UNIVERSITY OF VIRGINIA** [US/US]; Washington Hall, P.O. Box 9025, Charlottesville, VA 22906 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ALLAIRE, Paul, E.** [US/US]; 805 Emerson Drive, Charlottesville, VA 22901 (US). **BEARNSON, Gill, B.** [US/US]; 982 East Jasper Circle, Salt Lake City, UT 84106 (US). **FLACK, Ron** [US/US]; 4265 Viewmont Road, Earlysville, VA 22936 (US). **OLSEN, Don, B.** [US/US]; 8832 Blue Jay Lane, Salt Lake City, UT 84121 (US). **LONG, James, W.** [US/US]; 4461 South Parkview Drive, Salt Lake City, UT 84124 (US). **KUMAR, B., Ajit** [IN/US]; Suite NE107, 825 North 300 West, Salt Lake City, UT 84103 (US). **KHANWILKAR, Pratap, S.** [IN/US]; 1651 East Shadow Cove, Salt Lake City, UT 84121 (US). **DECKER, Jeffery** [US/US]; 321 Starcrest Road, Charlottesville, VA 22902 (US). **BALOH, Michael** [US/US]; 206 Greentree Park Drive, Charlottesville, VA 22901 (US).

(74) **NORTH, Vaughn, W.** et al. / etc.; Thorpe, North & Western, LLP, P.O. Box 1219, Sandy, UT 84091–1219 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 1/02**

(11) **WO 99/53975** (13) A1

(21) PCT/EP99/01119

(22) **20 Feb/fév 1999 (20.02.1999)**

(25) de (26) de

(30) 198 17 328.8 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING A THROMBOCYTE PREPARATION
• PROCEDE DE PRODUCTION D'UNE PREPARATION PLAQUETTAIRE

(71) **EBERHARD–KARLS–UNIVERSITÄT TÜBINGEN** [DE/DE]; Universitätsklinikum, Geissweg 3, D–72076 Tübingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HÖRNLEIN, Rainer, Frank** [DE/DE]; Rosenauerweg 9, D–72076 Tübingen (DE).

(74) **WITTE, Alexander** et al. / etc.; Rotebühlstrasse 121, D–70178 Stuttgart (DE).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M 1/06**

(11) **WO 99/53976** (13) A1

(21) PCT/EP99/02437

(22) **10 Apr/avr 1999 (10.04.1999)**

(25) de (26) de

(30) 198 16 776.8 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR ABSTRACTING MILK
• DISPOSITIF D'ASPIRATION DE LAIT

(71) **KAWECO GMBH** [DE/DE]; Gerlinger Strasse 36/38, D–71254 Ditzingen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **KIRCHNER, Hansjörg** [DE/DE]; Am Mühlberg 45, D–71706 Markgröningen (DE).

(74) **FLECK, Hermann–Josef**; Klingengasse 2, D–71657 Vaihingen (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M 1/10, A61F 2/00, 2/02**

(11) **WO 99/53977** (13) A1

(21) PCT/US99/08713

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,370 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR STRESS RELIEVING THE HEART MUSCLE AND FOR CONTROLLING HEART FUNCTION
• SYSTEME A DESTRESSER LE MYOCARDE ET A REGULER LES FONCTIONS CARDIAQUES

(71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One Scimed Place, Maple Grove, MN 55311–1566 (US).

(72) **TALPADE, Dnyanesh**; 12105 – 41st Avenue North #331, Plymouth, MN 55441 (US).

(74) **KELLY, Joseph, R.**; Westman, Champlin & Kelly, P.A., International Centre – Suite 1600, 900 Second Avenue South, Minneapolis, MN 55402–3319 (US) et al. / etc.

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M 1/28, A61B 19/02**

(11) **WO 99/53978** (13) A1

(21) PCT/EP99/02605

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 98810334.7 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EQUIPMENT FOR CHANGING A DIALYSATE
• EQUIPEMENT DE CHANGEMENT DE DIALYSAT

(71, 72) **MATZKE, Laura** [CH/CH]; Kappelistrasse 14c, CH–9470 Buchs (CH).

(74) **HASLER, Erich** et al. / etc.; Bahnhofstrasse 10, CH–7310 Bad Ragaz (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 5/20**

(11) **WO 99/53979** (13) A1

(21) PCT/GB99/01184

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808408.0 **18 Apr/avr 1998** GB **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INJECTION DEVICE
• DISPOSITIF D'INJECTION

(71) **OWEN MUMFORD LIMITED** [GB/GB]; Brook Hill, Woodstock, Oxford OX20 1TU (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MARSHALL, Jeremy** [GB/GB]; 16 Cranham Street, Jericho, Oxford OX2 6DD (GB). **CROSSMAN, David, Danvers** [GB/GB]; The Tower, Christmas Common, Oxford OX9 5HL (GB). **DAVISON, Glenn** [GB/GB]; 44 Grimsbury Square, Banbury, Oxon OX16 7HP (GB).

(74) **LAINE, Simon, James** et al. / etc.; Wynne–Jones, Laine & James, 22 Rodney Road, Cheltenham, Gloucestershire GL50 1JJ (GB).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M 5/50**

(11) **WO 99/53980** (13) A1

(21) PCT/CN99/00056

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) zh (26) zh

(30) 98 2 34042.7 **21 Apr/avr 1998** CN **(21.04.1998)**

(30) 98 2 34041.9 **21 Apr/avr 1998** CN **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISPOSABLE SYRINGE
• SERINGUE JETABLE

(71, 72) **KWOK, Waishi** [CN/CN]; Room 501, 14 Huaxin Cun, Shenzheng, Guangdong Province 518000 (CN).

(74) **CHINA PATENT AGENT (H.K.) LTD.**; 22nd floor, Great Eagle Centre, 23 Harbour Road, Wanchai, Hong Kong Special Administrative Region (CN).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 11/00**

(11) **WO 99/53981** (13) A1

(21) PCT/US99/08507

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,676 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CATHETER CONNECTOR INCLUDING SEAL RING AND METHOD
• CATHETER A JOINT ANNULAIRE ET SON PROCEDE

(71) **SIMS DELTEC, INC.** [US/US]; 1265 Grey Fox Road, St. Paul, MN 55112 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MARRS, James, C.** [US/US]; 3634 McKinley Street N.E., Minneapolis, MN 55418 (US). **CAI, Qingsheng** [CN/US]; 2018 Knapp Avenue, St. Paul, MN 55108 (US). **BELING, William, L.** [US/US]; 655 Redwood Lane, New Brighton, MN 55112 (US). **PURYEAR, Harry, A.** [US/US]; 648 Sunset Court, Shoreview, MN 55126 (US).

(74) **BRUESS, Steven, C.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402–4131 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 15/00**

(11) **WO 99/53982** (13) A1

(21) PCT/AU99/00290

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) PP 3054 **20 Apr/avr 1998 (20.04.1998)** AU

(30) PP 4001 **10 Jun/juin 1998 (10.06.1998)** AU

(30) PP 6601 **20 Oct/oct 1998 (20.10.1998)** AU

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED DRUG DELIVERY DEVICE AND METHODS THEREFOR
• DISPOSITIF D'APPORT MEDICAMENTEUX AMELIORE ET SES PROCEDES D'UTILISATION

(63) US 09/294,759 (CIP) 19 Apr/avr 1999 (19.04.1999)

(71) **INFAMED PTY. LTD.** [AU/AU]; 284 Oxford Street, Leederville, W.A. 6007 (AU). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **WATT, Paul, M.** [AU/AU]; 25 Beecham Road, Mt. Claremont, W.A. 6010 (AU).

(74) **SLATTERY, John, Michael** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 15/00, A62B 7/00**

(11) **WO 99/53983** (13) A1

(21) PCT/US99/08695

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/064,998 **23 Apr/avr 1998 (23.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NITROUS OXIDE BASED OXYGEN SUPPLY SYSTEM
• SYSTEME D'ALIMENTATION EN OXYGENE A PARTIR D'OXYDE NITREUX

(71) **PIONEER INVENTIONS, INC.** [US/US]; Pioneer Astronautics, Suite 125, 445 Union Boulevard, Lakewood, CO 80228 (US).

(72) **ZUBRIN, Robert, M.**; P.O. Box 273, Indian Hills, CO 80454 (US). **FRANKIE, Brian, M.**; 265 Zang Street #26312, Lakewood, CO 80228 (US). **LOWTHER, Scott, E.**; 7521 West 8th Place, Lakewood, CO 80215 (US).

(74) **PINTO, James, A.** et al. / etc.; Holland & Hart L.L.P., Suite 3200, 555 17th Street, P.O. Box 8749, Denver, CO 80201–8749 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 16/00 // F04B 43/02**

(11) **WO 99/53984** (13) A1

(21) PCT/SE99/00640

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) sv (26) en

(30) 9801421–0 **23 Apr/avr 1998 (23.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VENTILATION APPARATUS
• APPAREIL DE VENTILATION

(71) **BARNWELL INVESTMENTS S.A.** [PA/PA]; Edificio Banco do Brasil, Calle Elvira Mendez No 10, Panama 5 (PA). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **WENNERHOLM, Björn** [SE/SE]; Norra Krokslätts gata 2, S–412 64 Göteborg (SE). **SVENSSON, Rolf** [SE/SE]; Raröd 8644, S–444 92 Jörlanda (SE).

(74) **BERGENTALL, Annika** et al. / etc.; Cegumark AB, P.O. Box 53047, S–400 14 Göteborg (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 16/00, A62B 7/00, 18/08, F23D 11/00, 14/00, F24J 3/00**

(11) **WO 99/53985** (13) A1

(21) PCT/US99/08699

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) MI98A000862 **22 Apr/avr 1998 (22.04.1998)** IT

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISPOSABLE ACTIVE HUMIDIFIER FOR THE MECHANICAL VENTILATION OF A PATIENT
• HUMIDIFICATEUR ACTIF JETABLE DESTINE A LA VENTILATION ARTIFICIELLE D'UN PATIENT

(71) **MALLINCKRODT INC.** [US/US]; Lawrence L. Limpus, 675 McDonnell Boulevard, P.O. Box 5840, St. Louis, MO 63134 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **GIBERTONI, Lucio** [IT/IT]; Via Curtatone, 4 1/2, I–41037 Mirandola (IT).

(74) **LIMPUS, Lawrence L.**; Mallinckrodt Inc., 675 McDonnell Boulevard, P.O. Box 5840, St. Louis, MO 63134 (US).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M 25/00, A61L 29/00, A61F 2/06**

(11) **WO 99/53986** (13) A2

(21) PCT/US99/08815

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,969 **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STENT DEPLOYING CATHETER SYSTEM AND BALLOON CATHETER
• BALLONNET DE CATHETER POUVANT DEPLOYER UN EXTENSEUR ET CATHETER A BALLONNET

(71) **ADVANCED CARDIOVASCULAR SYSTEMS, INC.** [US/US]; P.O. Box 58167, Santa Clara, CA 95052 (US).

(72) **LEE, Jeong, S.**; 23637 E. Goldrush Drive, Diamond Bar, CA 91765 (US). **LIM, Forencia**; 2710 Blossom Way, Union City, CA 94587 (US).

(74) **LYNCH, Edward, J.**; Heller Ehrman White & McAuliffe, Suite 1100, 525 University Avenue, Palo Alto, CA 94301–1900 (US) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 25/01**

(11) **WO 99/53987** (13) A1

(21) PCT/DE99/01122

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 298 07 045.6 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLEXIBLE CATHETER SLEEVE GUIDE
• ENSEMBLE MANCHON DE GUIDAGE FLEXIBLE POUR CATHETER

(71) **JAKOUBEK MEDIZINTECHNIK GMBH** [DE/DE]; D–78576 Liptingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JAKOUBEK, Franz** [DE/DE]; Auf der Höhe 15, D–78576 Emmingen–Liptingen (DE).

(74) **ALLGEIER, Kurt**; Schillerstrasse 8–10, D–79618 Rheinfelden (DE).

(81) AU CA CN IL IN JP KP KR MX RU SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **A61M 25/01**

(11) **WO 99/53988** (13) A1

(21) PCT/JP99/02083

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/109551 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GUIDE WIRE FOR CATHETERS
• FIL–GUIDE POUR CATHETER

(71) **GETZ BROS. CO., LTD.** [JP/JP]; 1–30, Minamiaoyama 3–chome, Minato–ku, Tokyo 107–0062 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **SHIMADA, Atsushi** [JP/JP]; 27–6–204, Kyodo 5–chome, Setagaya–ku, Tokyo 156–0052 (JP).

(74) **HAGINO, Taira** et al. / etc.; Eikoh Patent Office, ARK Mori Building, 28th floor, 12–32, Akasaka 1–chome, Minato–ku, Tokyo 100–6028 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M 25/02**

(11) **WO 99/53989** (13) A1

(21) PCT/US99/08286

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/063,897 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRACHEOSTOMY TUBE
• TUBE DE TRACHEOTOMIE

(71) **SIMS PORTEX INC.** [US/US]; 10 Bowman Drive, Keene, NH 03431 (US).

(72) **ROY, Ronald, R.**; 11 Wilde Road, Spofford, NH 03462 (US).

(74) **WOO, Louis**; Law Office of Louis Woo, Suite 402, 1828 L Street, N.W., Washington, DC 20036 (US).

(81) AU CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61M 27/00, A61F 2/02, 2/00**

(11) **WO 99/53990** (13) A1

(21) PCT/US99/05878

(22) **17 Mar/mar 1999 (17.03.1999)**

(25) en (26) en

(30) 09/062,334 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRESSURE INDICATOR
• INDICATEUR DE PRESSION

(71) **JOHNSON & JOHNSON PROFESSIONAL, INC.** [US/US]; 325 Paramount Drive, Raynham, MA 02767–0350 (US).

(72) **KRAUS, Robert, G.**; 46 Doral Lane, Attleboro, MA 02703 (US).

(74) **CIAMPORCERO, Audley, A., Jr.** et al. / etc.; Johnson and Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933–7003 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61M 36/12, 5/32, A61B 17/34**

(11) **WO 99/53991** (13) A1

(21) PCT/US99/08353

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,759 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TROCAR FOR INSERTING IMPLANTS
• TROCART DESTINE A L'INSERTION D'IMPLANTS

(71) **ALZA CORPORATION** [US/US]; 950 Page Mill Road, P.O. Box 10950, Palo Alto, CA 94303–0802 (US).

(72) **PEERY, John, R.**; P.O. Box 5128, Stanford, CA 94309 (US).

(74) **CLARKE, Pauline, Ann** et al. / etc.; Alza Corporation, 950 Page Mill Road, P.O. Box 10950, Palo Alto, CA 94303–0802 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **A61N**

(11) **WO 99/53992** (13) A2

(21) PCT/US99/07373

(22) **2 Apr/avr 1999 (02.04.1999)**

(25) en (26) en

(30) 60/082,156 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/274,499 **23 Mar/mar 1999** US **(23.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIPLE BEAM LASER SCULPTING SYSTEM AND METHOD
• SYSTEME DE SCULPTAGE PAR LASER A MULTIPLES FAISCEAUX ET PROCEDE

(63) US 60/082,156 (CIP)
17 Apr/avr 1998 (17.04.1998)

(71) **VISX, INCORPORATED** [US/US]; 3400 Central Expressway, Santa Clara, CA 95051–0703 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MUNNERLYN, Audrey** [US/US]; 78 Gladys Avenue, Mountain View, CA 94043 (US). **CAUDLE, George** [US/US]; 1260 Montmorency Drive, San Jose, CA 95118 (US).

(74) **BARRISH, Mark, D.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111–3834 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61N 1/05**

(11) **WO 99/53993** (13) A1

(21) PCT/US99/08344

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,268 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/120,824 **22 Jul/juil 1998** US **(22.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENDOCARDIAL LEAD SYSTEM
• SYSTEME DE SONDE ENDOCAVITAIRE

(71) **CARDIAC PACEMAKERS, INC.** [US/US]; 4100 Hamline Avenue North, St. Paul, MN 55112 (US).

(72) **HEIL, John, E.**; 3871 Hill Avenue, White Bear Lake, MN 55110 (US). **HEIL, Ronald, W., Jr.**; 2312 Western Avenue N., Roseville, MN 55113 (US). **SCHEINER, Avram**; 4403 Meadowood Circle, Vadnais Heights, MN 55127 (US). **LIN, Yayun**; 1866 Huron Avenue, St. Paul, MN 55113 (US). **BYE, Lyle, A.**; 775 Vicki Lane, Lino Lakes, MN 55014 (US). **LATTUCA, J., John**; 44 Kaye Don Way, Weybridge, Surrey KT13 OUX (GB).

(74) **VIKSNINS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A61N 1/05**

(11) **WO 99/53994** (13) A1

(21) PCT/US99/08587

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,227 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEDICAL LEADS WITH ENHANCED BIOCOMPATIBILITY AND BIOSTABILITY
• FILS MEDICAUX DONT LA BIOCOMPATIBILITE ET LA BIOSTABILITE SONT AMELIOREES

(71) **MEDTRONIC, INC.** [US/US]; 7000 Central Avenue N.E., Minneapolis, MN 55432 (US).

(72) **CASAS–BEJAR, Jesus, W.**; 8968 Stratford Court North, Brooklyn Park, MN 55443 (US). **UNTEREKER, Darrel, F.**; 21730 Cedar Drive N.W., Cedar, MN 55011 (US). **DONOVAN, Maura, G.**; 459 Woodlawn Avenue, St. Paul, MN 55105 (US). **ZHAO, Qinghong**; 1946 134th Lane, Andover, MN 55304 (US). **FERNANDES, Brian, C., A.**; 474 Woodhill Drive, Roseville, MN 55113 (US). **ROBINSON, Timothy, H.**; 4033 W. 137th Street, Savage, MN 55378 (US). **SCHROEDER, Peter, T.**; 731 Madison Street N.E., Minneapolis, MN 55413 (US).

(74) **WOODS, Thomas, F.** et al. / etc.; Medtronic, Inc. MS301, 7000 Central Avenue N.E., Minneapolis, MN 55432 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **A61N 1/10**

(11) **WO 99/53995** (13) A1

(21) PCT/JP99/02069

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/144956 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR FORMING NEGATIVE ELECTRIC FIELD ON MOBILE ORGANISMS AND MATERIALS
• SYSTEME PERMETTANT D'APPLIQUER UN CHAMP ELECTRIQUE NEGATIF SUR DES ETRES VIVANTS ET DES MATERIAUX EN DEPLACEMENT

(71, 72) **ICHIKAWA, Masahide** [JP/JP]; 13–11, Honjo 1–chome, Sumidaku, Tokyo 130–0004 (JP).

(81) AU BR CA CH CN ID IL IN KR SG US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

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(51)[6] **A61N 1/36**

(11) **WO 99/53996** (13) A1

(21) PCT/US99/08450

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,248 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NEUROMUSCULAR ELECTRICAL STIMULATION FOR PREVENTING DEEP VEIN THROMBOSIS
• STIMULATION NEUROMUSCULAIRE ELECTRIQUE SERVANT A EVITER LA THROMBOSE DES VEINES PROFONDES

(71) **STRYKER INSTRUMENTS** [US/US]; 4100 East Millham, Kalamazoo, MI 49001–6197 (US).

(72) **STAUNTON, Douglas, A.**; 604 Montrose Avenue, Kalamazoo, MI 49008 (US). **HUYSER, Richard, F.**; 3824 Fir Avenue, Kalamazoo, MI 49006 (US). **WELLONS, Harry, A., III**; Apartment 1, 3681 Fawn Cove Lane, Portage, MI 49024 (US). **WASSERMAN, Mark, A.**; 8300 Pine Lake Road, Delton, MI 49046 (US). **CULP, Jerry, A.**; 351 Lodge Lane, Kalamazoo, MI 49009 (US). **DEL MEDICO, Patrick, J.**; 7518 Dunross, Portage, MI 49024 (US). **MALACKOWSKI, Donald, W.**; 16055 Prairie Ronde Road, Schoolcraft, MI 49087 (US).

(74) **GASKEY, David, J.** et al. / etc.; Howard & Howard Attorneys, P.C., Suite 101, 1400 North Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61N 5/10, G21K 5/10, A61G 10/00**

(11) **WO 99/53997** (13) A1

(21) PCT/RU99/00119

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ru (26) ru

(30) 98107501 **21 Apr/avr 1998** RU **(21.04.1998)**

(30) 98117026 **14 Sep/sep 1998** RU **(14.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR RADIATING A SUBJECT USING A HORIZONTAL BEAM OF CHARGED HEAVY PARTICLES SUCH AS PROTONS AND DEVICES FOR REALISING THE SAME
• PROCEDE D'ILLUMINATION PAR FAISCEAU HORIZONTAL DE PARTICULES LOURDES ET CHARGEES TELLES QUE DES PROTONS, ET DISPOSITIFS DE MISE EN OEUVRE DE CE PROCEDE

(71, 72) **ASTRAKHAN, Boris Vladimirovich** [RU/RU]; Leningradskoe shosse, 31–32, Moscow, 125212 (RU).

(74) **PALTSEVA, Valentina Fedorovna**; ul. Timiryazevskaya, 16–121, Moscow, 125422 (RU).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A61N 5/10, A47C 1/022**

(11) **WO 99/53998** (13) A1

(21) PCT/RU99/00120

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ru (26) ru

(30) 98107505 **21 Apr/avr 1998** RU **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ARMCHAIR FOR ATTACHING A PATIENT IN ORDER TO CARRY OUT A ROTARY RADIATION THERAPY USING A HORIZONTAL THERAPEUTIC BEAM OF PROTONS AND METHOD FOR ATTACHING A PATIENT IN SAID ARMCHAIR
• FAUTEUIL PERMETTANT D'IMMOBILISER UN PATIENT EN VUE D'UNE THERAPIE PAR RAYONNEMENT ET EN ROTATION A L'AIDE D'UN FAISCEAU THERAPEUTIQUE ET HORIZONTAL DE PROTONS, ET PROCEDE DE FIXATION D'UN PATIENT DANS CE FAUTEUIL

(71, 72) **ASTRAKHAN, Boris Vladimirovich** [RU/RU]; Leningradskoe shosse, 31–32, Moscow, 125212 (RU).

(74) **PALTSEVA, Valentina Fedorovna**; Russian Patent Attorney, ul. Timiryazevskaya, 121–16, Moscow, 125422 (RU).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A62C 2/00, 8/06, A62B 17/00**

(11) **WO 99/53999** (13) A1

(21) PCT/JP99/02058

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/105958 **16 Apr/avr 1998** JP **(16.04.1998)**

(30) 10/169617 **17 Jun/juin 1998** JP **(17.06.1998)**

(30) 11/32197 **10 Feb/fév 1999** JP **(10.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SHEET AND COVER FOR PREVENTING BURNING BY SPREADING FIRE, AND COMBINED FIRE–EXTINGUISHING SHEET AND DISASTER–PREVENTING CLOTHING
• FEUILLE ET COUVERTURE IGNIFUGES SERVANT A EMPECHER LA PROPAGATION DU FEU ET FEUILLE IGNIFUGE ET VETEMENT ANTI–BRULURE COMBINES

(71, 72) **ANDOH, Shigeru** [JP/JP]; 152, Kubodaira Makioka–cho, Higashiyamanashi–gun, Yamanashi 404–0013 (JP). **SATOI, Katsuyuki** [JP/JP]; 61–18, Ankohji–cho 4–chome, Takatsuki–shi, Osaka 569–1029 (JP). **SOGAWA, Yoshiyuki** [JP/JP]; 14–18, Hamakoshien, 2–chome, Nishinomiya–shi, Hyogo 663–8154 (JP).

(74) **DOBASHI, Hiroshi**; 3–24, Ikeda 3–chome, Kofu–shi, Yamanashi 400–0062 (JP).

(81) AU CA KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A63B 33/00, A61F 9/02**

(11) **WO 99/54000** (13) A1

(21) PCT/EP99/02512

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 298 07 174.6 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADAPTER FOR FIXING SPECTACLE LENSES
• ADAPTATEUR POUR LA FIXATION DE VERRES DE LUNETTES

(71, 72) **ANTON, Wolfgang** [DE/DE]; Schönblickstrasse 18, D–70825 Korntal–Münchingen (DE).

(74) **WINTER, Martina**; Kirchstrasse 4–6, D–71364 Winnenden (DE).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

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(51)[6] **A63B 37/02, 37/12**

(11) **WO 99/54001** (13) A1

(21) PCT/US99/08555

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,116 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GOLF BALLS FORMED OF COMPOSITIONS COMPRISING POLY (TRIMETHYLENE TEREPHTHALATE) AND METHOD OF MAKING SUCH BALLS
• BALLES DE GOLF FORMEES DE COMPOSITIONS RENFERMANT DU POLY(TRIMETHYLENE TEREPHTALATE) ET LEUR PROCEDE DE FABRICATION

(71) **ACUSHNET COMPANY** [US/US]; 333 Bridge Street, Fairhaven, MA 02719 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72) **HARRIS, Kevin**; 65 Ryan Street, New Bedford, MA 02740 (US). **RAJAGOPALAN, Murali**; 11 Flagship Drive, South Dartmouth, MA 02748 (US).

(74) **RICHARDSON, John, M.**; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AU CA GB JP NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

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(51)[6] **A63B 47/00, B65D 30/00, 85/00**

(11) **WO 99/54002** (13) A1

(21) PCT/KR98/00092

(22) **18 Apr/avr 1998 (18.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BELT WITH BALL POCKET
• CEINTURE EQUIPEE D'UNE POCHE POUR BALLES

(71) **CHOI, Won, Jong** [KR/KR]; 605–2302 Emaechon, 123 Emae–dong, Bundang–ku, Sungnam–si, Kyungki–do, 463–060 (KR). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **CHUNG, Hank, Hong** [US/US]; 10030 Marklein Avenue, Mission Hills, CA 91345 (US).

(74) **LEE, Young**; 735–29, Yeoksam–dong, Kangnam–ku, Seoul 135–080 (KR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **A63B 69/36**

(11) **WO 99/54003** (13) A1

(21) PCT/US99/08467

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,244 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A GOLF SWING TRAINING DEVICE
• DISPOSITIF D'ENTRAINEMENT AU SWING DE GOLF

(71, 72) **SCHULTZ, Gregory, G.** [US/US]; 2124 McKinley Road, Atlanta, GA 30318 (US).

(74) **SANTOS, Daniel, J.**; Thomas, Kayden, Horstemeyer & Risley L.L.P., Suite 1500, 100 Galleria Parkway, Atlanta, GA 30339 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A63C 5/048**

(11) **WO 99/54004** (13) A1

(21) PCT/NO99/00126

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) no (26) en

(30) 19981756 **17 Apr/avr 1998** NO **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DOWNHILL SKI DEVICE
• DISPOSITIF DE SKI DE PISTE

(71, 72) **RAILO, Egil** [NO/NO]; Bynesveien 60, N–7018 Trondheim (NO). **RAILO, Willy** [NO/NO]; Slemdalsv. 33, N–0373 Oslo (NO).

(74) **CURO AS**; P.O. Box 38, N–7094 Lundamo (NO).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A63C 11/00**

(11) **WO 99/54005** (13) A1

(21) PCT/FR99/00910

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/04763 **16 Apr/avr 1998** FR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR IDENTIFYING A SPORT ARTICLE, IN PARTICULAR A SKI OR SURF BOARD OR AN AQUATIC MACHINE APPARATUS
• PROCEDE D'IDENTIFICATION D'UN ARTICLE DE SPORT, EN PARTICULIER D'UNE PLANCHE DE SKI OU DE SURF OU D'UN ENGIN DE SPORT NAUTIQUE

(71) **ADAGE GROUPE IER** [FR/FR]; 1, rue Henri Farman, F–44980 Sainte Luce sur Loire (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JEANNE–BEYLOT, Bernard** [FR/FR]; 27, avenue Raymond Maire, F–78070 La Celle Saint–Cloud (FR).

(74) **ALLANO, Sylvain** et al. / etc.; Pontet, Allano & Associés S.E.L.A.R.L., Parc–Club Orsay–Université, 25, rue Jean Rostand, F–91893 Orsay Cedex (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A63C 17/01**

(11) **WO 99/54006** (13) A1

(21) PCT/KR98/00364

(22) **13 Nov/nov 1998 (13.11.1998)**

(25) en (26) en

(30) 1998/13626 **16 Apr/avr 1998** KR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROLLERBOARD
• PLANCHE A ROULETTES

(71, 72) **JUNG, Hae, Taek** [KR/KR]; Mok–dong Apt. 605–1204, 911, Mok 6–dong, Yangchon–ku, Seoul 158–756 (KR).

(74) **HWANG, E–Nam** et al. / etc.; Yegun Building, 3rd floor, 823–42, Yoksam–dong, Kangnam–ku, Seoul 135–080 (KR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A63C 17/02**

(11) **WO 99/54007** (13) A1

(21) PCT/RU98/00421

(22) **18 Dec/déc 1998 (18.12.1998)**

(25) ru (26) ru

(30) 97122284 **30 Dec/déc 1997** RU **(30.12.1997)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LOCOMOTION DEVICE FOR A PERSON AND VARIANTS
• DISPOSITIF PERMETTANT A UNE PERSONNE DE SE DEPLACER ET VARIANTES

(71, 72) **VINOGRADOV, Viktor Nikolaevich** [RU/RU]; ul. Reutovskaya, 24–179, Moscow, 111539 (RU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A63F**

(11) **WO 99/54008** (13) A2

(21) PCT/US99/08470

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/065,288 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GAMING CONSOLE
• CONSOLE DE JEU

(71, 72) **MILLER, Patrick** [US/US]; 3868 Lee Ridge Way, Lilburn, GA 30047 (US).

(74) **NICHOLS, A., Shane** et al. / etc.; Jones & Askew, LLP, 2400 Monarch Tower, 3424 Peachtree Road, Atlanta, GA 30326 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A63F 3/06**

(11) **WO 99/54009** (13) A1

(21) PCT/GB99/01186

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9807961.9 **16 Apr/avr 1998** GB **(16.04.1998)**

(30) 9811125.5 **26 May/mai 1998** GB **(26.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LOTTERY CHECKING CARD
• CARTE DE CONTROLE DE LOTERIE

(71, 72) **BUCKLEY, Christopher, John** [GB/GB]; 24 The Pewfist Spinney, Westhoughton, Bolton BL5 2UN (GB).

(74) **DODD, David, Michael**; T. N. P. Services, 5 Half Edge Lane, Eccles, Manchester M30 9GJ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A63F 9/22**

(11) **WO 99/54010** (13) A1

(21) PCT/JP99/02019

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/106596 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RECORDING MEDIUM AND ENTERTAINMENT SYSTEM
• SUPPORT D'ENREGISTREMENT ET SYSTEME DE DIVERTISSEMENT

(71) **SONY COMPUTER ENTERTAINMENT INC.** [JP/JP]; 1–1, Akasaka 7–chome, Minato–ku, Tokyo 107–0052 (JP).

(72) **KOBAYASHI, Kazuhiro**; Yugengaisha Purokion, Akasaka Daiichi Building, 8th floor, 9–17, Akasaka 4–chome, Minato–ku, Tokyo 107–0052 (JP). **WATANABE, Noriyuki**; Yugengaisha Purokion, Akasaka Daiichi Building, 8th floor, 9–17, Akasaka 4–chome, Minato–ku, Tokyo 107–0052 (JP).

(74) **YAMAMOTO, Toshitake**; 301, Ogikubo Sunny Garden, 28–9, Ogikubo 4–chome, Suginami–ku, Tokyo 167–0051 (JP).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A63F 9/22**

(11) **WO 99/54011** (13) A1

(21) PCT/US99/08316

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/062,200 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GROUP BASED NETWORK SYSTEM AND METHOD OF USING SAME
• SYSTEME RESEAU BASE SUR DES GROUPES ET PROCEDE D'UTILISATION CORRESPONDANT

(71) **THUNDERWATCH PARTNERSHIP** [US/US]; Suite 304, 11545 West Bernardo Court, San Diego, CA 92127 (US).

(72) **CLEMENS, Robert, W.**; 5127 West Bay Drive, Fort Collins, CO 80526 (US). **KINGHAM, Ronald**; 9 South Greeley Avenue, Johnstown, CO 92128 (US).

(74) **KLEINKE, Bernard, L.**; Higgs, Fletcher & Mack LLP, 2600 First National Bank Building, 401 West "A" Street, San Diego, CA 92101 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A63H 3/00, 9/00**

(11) **WO 99/54012** (13) A1

(21) PCT/RU99/00125

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ru (26) ru

(30) 98107158 **22 Apr/avr 1998** RU **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DOLL
• POUPEE

(71, 72) **TSIPENJUK, Dmitry Jurievich** [RU/RU]; ul. Udaltsova, 4–79, Moscow, 117415 (RU).

(74) **ZAKRYTOE AKTSIONERNOE OBSHCHESTVO AGENTSTVO PO PATENTAM I INFORMATSII "VASHA INTELLEKTUALNAYA SOBST VENNOST" MOSKOVSKOI TORGOVO–PROMYSHLENNOI PALATY**; Osenny bul., 11, "VIS", Moscow, 121609 (RU).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MW MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A63H 3/02, G09B 1/00**

(11) **WO 99/54013** (13) A1

(21) PCT/US99/06263

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) en (26) en

(30) 09/065,310 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ALPHA BEANIE BUDDIES
• JEU AVEC FIGURINES EN FORME DE CHIFFRES ET DE LETTRES

(71, 72) **RINK, Deborah, M.** [US/US]; 1013 D. Lincolnshire Court, Elgin, IL 60120 (US). **RINK, Donna, M.** [US/US]; 1013 D. Lincolnshire Court, Elgin, IL 60120 (US).

(74) **MERONI, Charles, F., Jr.**; Meroni & Meroni PC, P.O. Box 309, Barrington, IL 60011 (US).

(81) CA CN IN MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A63H 17/00, 17/39**

(11) **WO 99/54014** (13) A1

(21) PCT/JP98/01887

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRAVELLING TOY
• JOUET A ROUES

(71) **NIKKO CO., LTD.** [JP/JP]; 15–15, Kameari 5–chome, Katsushika–ku, Tokyo, 125–0061 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ISHIMOTO, Zenichi** [JP/JP]; Nikko Co., Ltd., 15–15, Kameari 5–chome, Katsushika–ku, Tokyo 125–0061 (JP).

(74) **HAMADA, Haruo**; NXB–Aoyama 3F, 26–37, Minami–Aoyama 2–chome, Minato–ku, Tokyo 107–8691 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **A63H 30/00, 3/28, 3/20, 13/00**

(11) **WO 99/54015** (13) A1

(21) PCT/IL99/00202

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 124122 **16 Apr/avr 1998** IL **(16.04.1998)**

(30) 09/081,255 **19 May/mai 1998** US **(19.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INTERACTIVE TOY
• JOUET INTERACTIF

(71) **CREATOR LTD.** [IL/IL]; Clal Computers Building, Gush Etzion Street 13, 54030 Givat Shmuel (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GABAY, Oz** [IL/IL]; Klee Street 14, 62336 Tel Aviv (IL). **GABAY, Jacob** [IL/IL]; Klee Street 12, 62336 Tel Aviv (IL). **SANDLERMAN, Nimrod** [IL/IL]; Hamatmeed Street 11, 52493 Ramat Gan (IL).

(74) **SANDFORD, T., Colb** et al. / etc.; Sandford T. Colb & Co., P.O. Box 2273, 76122 Rehovot (IL).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **A63H 33/00, 5/04, 33/30, 33/26**

(11) **WO 99/54016** (13) A1

(21) PCT/US99/08715

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,816 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LIGHT SHOOTING AND DETECTING TOY FIGURES
• FIGURINES JOUETS TIRANT ET DETECTANT DE LA LUMIERE

(71) **TOYMAX INC.** [US/US]; 125 East Bethpage Road, Plainview, NY 11803 (US).

(72) **LEBENSFELD, Steven**; 45 Wildwood Drive, Laurel Hollow, NY 11791 (US). **CHU KI KWAN, David**; Block A & B, CWD Building, 3rd floor, 382–392 Castle Peak Road, Tusen Wan, N.T., Hong Kong (CN). **GOLDBERG, Harvey**; 8 Northbank Court, Thornhill, Ontario L3T 7J7 (CA). **RUSSO, Carmine**; 4 Anna Court, West Islip, NY 11795 (US).

(74) **DEROSA, Frank, J.** et al. / etc.; Cowan, Liebowitz & Latman, P.C., 1133 Avenue of the Americas, New York, NY 10036 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01D 1/22, 3/06, C08F 6/10, F28F 13/08, 3/08, F28D 9/00**

(11) **WO 99/54017** (13) A1

(21) PCT/EP99/02398

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 678.3 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE AND METHOD FOR REMOVING VOLATILE COMPONENTS FROM POLYMER SOLUTIONS
• DISPOSITIF ET PROCEDE POUR L'ELIMINATION DE CONSTITUANTS VOLATILS DANS DES SOLUTIONS POLYMERES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ELSNER, Thomas** [DE/DE]; Haus–Endt–Strasse 205, D–40593 Düsseldorf (DE). **HEUSER, Jürgen** [DE/DE]; Minkweg 29a, D–47803 Krefeld (DE). **KORDS, Christian** [DE/DE]; Am Oberfeld 39, D–47829 Krefeld (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01D 3/14, 3/26, 3/32, F02M 11/00**

(11) **WO 99/54018** (13) A1

(21) PCT/US99/07999

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 09/061,492 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CO–CURRENT CONTACTING SEPARATION TRAY DESIGN AND METHODS FOR USING SAME
• STRUCTURE DE PLATEAU DE SEPARATION A CONTACT COCOURANT

(71) **MOBIL OIL CORPORATION** [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).

(72) **SOWIAK, Raymond, Michael**; 121 S. Chancellor Street, Newton, PA 18940 (US). **STOBER, Berne, Kim**; 14 Bethel Road, Glen Mills, PA 19342 (US).

(74) **PRATER, Penny, L.** et al. / etc.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).

(81) AU CA JP SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B01D 33/06, 65/08**

(11) **WO 99/54019** (13) A1

(21) PCT/US99/05824

(22) **18 Mar/mar 1999 (18.03.1999)**

(25) en (26) en

(30) 063,931 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROTARY FILTRATION DEVICE WITH FLOW–THROUGH INNER MEMBER
• DISPOSITIF DE FILTRATION TOURNANTE A ECOULEMENT CONTINU AVEC ELEMENT INTERNE

(71) **MEMBREX, INC.** [US/US]; 155 Route 46 West, Fairfield, NJ 07004 (US).

(72) **ROLCHIGO, Philip, M.**; 4 Sugarwood Way, Warren, NJ 07059 (US). **HODGINS, Leonard, T.**; 19 Jane Street, Closter, NJ 08820 (US).

(74) **GILBERT, Stephen, P.**; Bryan Cave LLP, 245 Park Avenue, New York, NY 10167 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01D 35/02, 35/28, F16L 27/093**

(11) **WO 99/54020** (13) A1

(21) PCT/US99/08138

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 60/082,445 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 09/290,082 **12 Apr/avr 1999** US **(12.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SAND RESISTANT FLUID SWIVEL
• TETE D'INJECTION POUR FLUIDE RESISTANT AU SABLE

(71) **IMODCO, INC.** [US/US]; Suite 350, 27001 Agoura Road, Calabasas Hills, CA 91301–5359 (US).

(72) **JANSEN, Martin**; 29406 Promontory Place, Agoura Hills, CA 91301 (US).

(74) **ROSEN, Leon** et al. / etc.; Freilich, Hornbaker & Rosen, Suite 840, 10960 Wilshire Boulevard, Los Angeles, CA 90024 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01D 45/14, A47L 9/10**

(11) **WO 99/54021** (13) A1

(21) PCT/GB99/01155

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 9808007.0 **16 Apr/avr 1998 (16.04.1998)** GB

(30) 9902177.6 **2 Feb/fév 1999 (02.02.1999)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A BOUNDARY LAYER SEPARATOR
• SEPARATEUR COUCHE LIMITE

(71) **HELFORD DESIGN LTD.** [GB/GB]; Polpenwith, Constantine, Falmouth TR11 5RP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NICHOLS, Paul** [GB/GB]; Polpenwith, Constantine, Falmouth TR11 5RP (GB).

(74) **BRYER, Kenneth, Robert**; K.R. Bryer & Co., 7 Gay Street, Bath BA1 2PH (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01D 53/04, 15/00**

(11) **WO 99/54022** (13) A1

(21) PCT/EP99/02502

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 16 871.3 **16 Apr/avr 1998 (16.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FILTRATION UNIT FOR REMOVING CONTAMINANTS FROM FLUIDS
• UNITE DE FILTRATION POUR ELIMINER DES SUBSTANCES NOCIVES DANS DES FLUIDES

(71) **SARTORIUS AG** [DE/DE]; Weender Landstrasse 94–108, D–37075 Göttingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GRAUS, Andreas** [DE/DE]; Bussardstrasse 22, D–37176 Nörten–Hardenberg (DE). **SCHÄFER, Christian** [DE/DE]; Mühlenbergstrasse 7, D–37170 Uslar (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B01D 53/04, 53/047**

(11) **WO 99/54023** (13) A1

(21) PCT/FR99/00898

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/04836 **17 Apr/avr 1998 (17.04.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PURIFYING GAS BY ADSORPTION WITH CONTROLLED PRESSURE AND TEMPERATURE LEVELS
• PROCEDE DE PURIFICATION DE GAZ PAR ADSORPTION AVEC PRESSIONS ET TEMPERATURES CONTROLLEES

(71) **L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE** [FR/FR]; 75, quai d'Orsay, F–75321 Paris Cedex 07 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MILLET, Cyrille** [FR/FR]; 74, boulevard Montparnasse, F–75014 Paris (FR). **KRAUS, Georges** [FR/FR]; 12, rue Littre, F–75006 Paris (FR).

(74) **L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE**; 75, quai d'Orsay, F–75321 Paris Cedex 07 (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01D 53/14**

(11) **WO 99/54024** (13) A1

(21) PCT/FR99/00922

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) fr (26) fr

(30) 98/05035 **22 Apr/avr 1998 (22.04.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REGENERATIVE METHOD FOR DE–ACIDIFYING A GAS CONTAINING CO_2 AND LIQUID HYDROCARBONS, USING AN ABSORBING LIQUID BASED ON ACTIVATED METHYLDIETHANOLAMINE
• PROCEDE REGENERATIF DE DESACIDIFICATION D'UN GAZ RENFERMANT DU CO_2 AINSI QUE DES HYDROCARBURES LIQUIDES, A L'AIDE D'UN LIQUIDE ABSORBANT A BASE DE METHYLDIETHANOLAMINE ACTIVEE

(71) **ELF EXPLORATION PRODUCTION** [FR/FR]; Tour Elf, 2, place de la Coupole, La Défense 6, F–92400 Courbevoie (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PEYTAVY, Jean–Louis** [FR/FR]; 11, rue des Chanterelles, F–64320 Lescar (FR). **CAPDEVILLE, Serge** [FR/FR]; 7, impasse des Crêtes, F–64230 Poey de Lescar (FR). **LACAMOIRE, Hervé** [FR/FR]; Rue du Stade, F–64230 Arbus (FR).

(74) **BOILLOT, Marc**; Elf Exploration Production, Propriété Industrielle, Tour Elf, F–92078 Paris La Défense Cedex (FR).

(81) CA ID IN KZ RU TM US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01D 61/00, 63/00**

(11) **WO 99/54025** (13) A1

(21) PCT/US98/07815

(22) **20 Apr/avr 1998 (20.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS FOR ASEPTIC VORTEX FLOW CONCENTRATION
• APPAREIL POUR LA CONCENTRATION ASEPTIQUE D'ECOULEMENTS TOURBILLONNAIRES

(63) US 08/742,058 (CON) 31 Oct/oct 1996 (31.10.1996)

(71) **MATRIX PHARMACEUTICAL, INC.** [US/US]; 34700 Campus Drive, Fremont, CA 94555 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEE, Richard** [US/US]; 2154 Ventura Place, Santa Clara, CA 95051 (US). **PROWS, Daniel** [US/US]; 21733 Woolaroc Drive, Los Gatos, CA 95030 (US). **FRIES, Louis** [US/US]; 1684 Clay Drive, Los Altos, CA 94024 (US).

(74) **KREBS, Robert, E.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **B01F 7/06, 7/00, F04D 7/04, 29/22**

(11) **WO 99/54026** (13) A1

(21) PCT/US99/08799

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,595 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A FLOW DIRECTING DEVICE FOR A MEDIUM CONSISTENCY PUMP
• DISPOSITIF D'ORIENTATION DE FLUX POUR POMPE DE CONCENTRATION MOYENNE

(71) **IRISH & ASSOCIATES** [US/US]; 5454 Able Court, Mobile, AL 36693 (US).

(72) **IRISH, Herbert, A.**; 6509 Sugar Creek Drive South, Mobile, AL 36695 (US).

(74) **OLIFF, James, A.** et al. / etc.; Oliff & Berridge, PLC, P.O. Box 19928, Alexandria, VA 22320 (US).

(81) BR CA FI SE.

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(51)[6] **B01F 17/00, 17/30, 17/16, A61K 7/06, 7/15, 7/00**

(11) **WO 99/54027** (13) A1

(21) PCT/US99/08143

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/062,860 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYMERIC DIFUNCTIONAL CATIONIC EMOLLIENTS AND CONDITIONERS FOR USE IN COSMETIC, PERSONAL CARE AND HOUSEHOLD PRODUCTS
• EMOLLIENTS CATIONIQUES DIFONCTIONNELS POLYMERES ET CONDITIONNEURS UTILISES DANS DES PRODUITS COSMETIQUES, DE SOIN PERSONNEL ET MENAGERS

(71) **ALZO, INC.** [US/US]; 650 Jernee Mill Road, Sayreville, NJ 08872 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZOFCHAK, Albert** [US/US]; 6 Gulfstram Bouleavrd, Matawan, NJ 07747 (US). **KENNEY, Madeline** [US/US]; 30 Smull Avenue, Caldwell, NJ 07006 (US). **OBEJI, John** [US/US]; 203 Charles Street, Clifton, NJ 07013 (US). **MOSQUERA, Michael** [US/US]; 439 Penn Avenue North, Forked River, NJ 07901 (US).

(74) **COLEMAN, Henry, D.**; Coleman, Sudol, LLP, Fourteenth floor, 708 Third Avenue, New York, NY 10017–4101 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 2/14, C05G 3/00**

(11) **WO 99/54028** (13) A1

(21) PCT/CA99/00299

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/061,343 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WET GRANULATION METHOD FOR GENERATING GRANULES
• PROCEDE DE GRANULATION PAR VOIE HUMIDE DESTINE A LA GENERATION DE GRANULES

(71) **AIRBORNE INDUSTRIAL MINERALS INC.** [CA/CA]; #205–6223–2nd Street, S.E., Calgary, Alberta T2H 1J5 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PHINNEY, Robin** [CA/CA]; #205–6223–2nd Street, S.E., Calgary, Alberta T2H 1J5 (CA).

(74) **SHARPE, Paul**; Marks & Clerk, P.O. Box 957, Station B, Ottawa, Ontario K1P 5S7 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 2/14, C05G 3/00**

(11) **WO 99/54029** (13) A1

(21) PCT/CA99/00300

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/061,783 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WET GRANULATION METHOD FOR GENERATING SULFUR GRANULES
• PROCEDE DE GRANULATION PAR VOIE HUMIDE DESTINE A LA GENERATION DE GRANULES DE SOUFRE

(71) **AIRBORNE INDUSTRIAL MINERALS INC.** [CA/CA]; #205–6223–2nd Street, S.E., Calgary, Alberta T2H 1J5 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PHINNEY, Robin** [CA/CA]; #205–6223–2nd Street, S.E., Calgary, Alberta T2H 1J5 (CA).

(74) **SHARPE, Paul**; Marks & Clerk, P.O. Box 957, Station B, Ottawa, Ontario K1P 5S7 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B01J 2/14, C05G 3/00**

(11) **WO 99/54030** (13) A1

(21) PCT/CA99/00301

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/061,188 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WET GRANULATION METHOD FOR GENERATING FERTILIZER GRANULES
• PROCEDE DE GRANULATION PAR VOIE HUMIDE DESTINE A LA GENERATION DE GRANULES DE FERTILISATION

(71) **AIRBORNE INDUSTRIAL MINERALS INC.** [CA/CA]; #205–6223–2nd Street, S.E., Calgary, Alberta T2H 1J5 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PHINNEY, Robin** [CA/CA]; #205–6223–2nd Street, S.E., Calgary, Alberta T2H 1J5 (CA).

(74) **SHARPE, Paul**; Marks & Clerk, Station B, P.O. Box 957, Ottawa, Ontario K1P 5S7 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 19/00**

(11) **WO 99/54031** (13) A1

(21) PCT/US99/08848

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,841 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR SYNTHESIS OF LIBRARIES OF ORGANIC COMPOUNDS
• PROCEDE ET APPAREIL POUR LA SYNTHESE DE BANQUES DE COMPOSES ORGANIQUES

(71) **OTTER COAST AUTOMATION, INC.** [US/US]; 15 Withington Lane, Harvard, MA 01451 (US).

(72) **ZHOU, Peng**; 214 Ruggles Street, Westborough, MA 01581 (US). **MATSON, Stephen**; 15 Withington Lane, Harvard, MA 01451 (US).

(74) **JACOBS, Bruce, F.**; Jacobs Patent Office, Suite 200N, 124 Mt. Auburn Street, Cambridge, MA 02138–5700 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B01J 19/12, C07C 29/50, 45/32, C07D 309/04, C07J 75/00**

(11) **WO 99/54032** (13) A1

(21) PCT/EP99/02597

(22) **17 Apr/avr 1999 (17.04.1999)**

(25) de (26) de

(30) 198 16 876.4 **17 Apr/avr 1998** DE **(17.04.1998)**

(30) 198 44 037.5 **25 Sep/sep 1998** DE **(25.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHOTOCHEMICAL AND THERMOCHEMICAL SOLAR SYNTHESES USING FLAT–BED SOLAR COLLECTORS/SOLAR REACTORS
• SYNTHESES PHOTOCHIMIQUES SOLAIRES ET THERMOCHIMIQUES SOLAIRES EFFECTUEES A L'AIDE DE COLLECTEURS DE LUMIERE SOLAIRE/REACTEURS SOLAIRES PLATS

(71) **STUDIENGESELLSCHAFT KOHLE MBH** [DE/DE]; Kaiser–Wilhelm–Platz 1, D–45470 Mülheim an der Ruhr (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DEMUTH, Martin** [DE/DE]; Kaiser–Wilhelm–Platz 1, D–45470 Mülheim an der Ruhr (DE). **RITTER, Alfred** [DE/DE]; Kaiser–Wilhelm–Platz 1, D–45470 Mülheim an der Ruhr (DE).

(74) **VON KREISLER, Alek** et al. / etc.; Deichmannhaus am Hauptbahnhof, D–50667 Köln (DE).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B01J 19/12**

(11) **WO 99/54033** (13) A1

(21) PCT/US99/08727

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,979 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTROLLED VOLUME VESSEL FROM MICROWAVE ASSISTED CHEMICAL PROCESSES
• RECIPIENT A VOLUME CONTROLE POUR TRAITEMENTS CHIMIQUES ASSISTES PAR HYPERFREQUENCES

(63) US 09/062,979 (CON) 20 Apr/avr 1998 (20.04.1998)

(71) **CEM CORPORATION** [US/US]; 3100 Smith Farm Road, P.O. Box 200, Matthews, NC 28106 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MUTTERER, James, Nelson, Jr.** [US/US]; 3323 Hard Rock Court, Indian Trail, NC 28709 (US). **HARGETT, Wyatt, Price, Jr.** [US/US]; 3201 Pleasant Plains, Matthews, NC 28105 (US).

(74) **SUMMA, Philip**; Suite 315, 13777 Ballantyne Corporate Place, Charlotte, NC 28277 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 19/12, 19/00, 19/02**

(11) **WO 99/54034** (13) A1

(21) PCT/US99/08728

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,858 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLEXIBLE VESSEL AND FRAME FOR MICROWAVE ASSISTED CHEMISTRY
• RECIPIENT SOUPLE ET CHASSIS POUR TRAITEMENTS CHIMIQUES ASSISTES PAR HYPERFREQUENCES

(63) US 09/062,858 (CON) 20 Apr/avr 1998 (20.04.1998)

(71) **CEM CORPORATION** [US/US]; 3100 Smith Farm Road, P.O. Box 200, Matthews, NC 28106 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HARGETT, Wyatt, Price, Jr.** [US/US]; 3201 Pleasant Plains, Matthews, NC 28105 (US). **THOMAS, James, Edward** [US/US]; 905 Patricia Avenue, Harrisburg, NC 28075 (US). **BARRETT, Matthew, Donald** [US/US]; 6901 Beamish Place, Charlotte, NC 28277 (US).

(74) **SUMMA, Philip**; Suite 315, 13777 Ballantyne Corporate Place, Charlotte, NC 28277 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 19/12, H05B 6/68**

(11) **WO 99/54035** (13) A1

(21) PCT/US99/08729

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,545 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USE OF CONTINUOUSLY VARIABLE POWER IN MICROWAVE ASSISTED CHEMISTRY
• UTILISATION D'UNE ENERGIE A VARIATION CONTINUE POUR DES TRAITEMENTS CHIMIQUES ASSISTES PAR HYPERFREQUENCES

(63) US 09/063,545 (CON) 21 Apr/avr 1998 (21.04.1998)

(71) **CEM CORPORATION** [US/US]; 3100 Smith Farm Road, P.O. Box 200, Matthews, NC 28106 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GREENE, Gary, Roger** [US/US]; 3706 Bentley Place, Charlotte, NC 28173–9006 (US). **BARCLAY, David, Allan** [GB/US]; Apartment 1123, 7015 Shannopin Drive, Charlotte, NC 28270 (US).

(74) **SUMMA, Philip**; Suite 315, 13777 Ballantyne Corporate Place, Charlotte, NC 28277 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 19/32, F25J 3/04, 3/02**

(11) **WO 99/54036** (13) A1

(21) PCT/FR99/00897

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/04835 **17 Apr/avr 1998 (17.04.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED FLOATING MARINE STRUCTURE
• STRUCTURE MARITIME FLOTTANTE PERFECTIONNEE

(71) **L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE** [FR/FR]; 75, quai d'Orsay, F–75321 Paris Cedex 07 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRAYSSE, Philippe** [FR/FR]; 15, rue des Richardes, F–92260 Fontenay aux Roses (FR). **WERLEN, Etienne** [FR/FR]; 31, rue Mademoiselle, F–78000 Versailles (FR).

(74) **LE MOENNER, Gabriel**; L'Air Liquide S.A., 75, quai d'Orsay, F–75321 Paris Cedex 07 (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 27/192, 27/057, 23/88**

(11) **WO 99/54037** (13) A1

(21) PCT/JP99/02146

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) ja (26) ja

(30) 10/128098 **23 Apr/avr 1998 (23.04.1998)** JP

(30) 10/155388 **21 May/mai 1998 (21.05.1998)** JP

(30) 10/159987 **26 May/mai 1998 (26.05.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CATALYST FOR PRODUCING UNSATURATED NITRILE
• CATALYSEUR DE PRODUCTION DE NITRILE INSATURE

(71) **Mitsubishi Rayon Co., Ltd.** [JP/JP]; 6–41, Konan 1–chome, Minato–ku, Tokyo 108–8506 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SASAKI, Yutaka** [JP/JP]; Chemicals Development Laboratories, Mitsubishi Rayon Co., Ltd., 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **MORI, Kunio** [JP/JP]; Chemicals Development Laboratories, Mitsubishi Rayon Co., Ltd., 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **NAKAMURA, Yoshimi** [JP/JP]; Chemicals Development Laboratories, Mitsubishi Rayon Co., Ltd., 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **SHIMIZU, Takao** [JP/JP]; Chemicals Development Laboratories, Mitsubishi Rayon Co., Ltd., 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **TAGAWA, Yuichi** [JP/JP]; Chemicals Development Laboratories, Mitsubishi Rayon Co., Ltd., 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **MIYAKI, Kenichi** [JP/JP]; Chemicals Development Laboratories, Mitsubishi Rayon Co., Ltd., 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **KAWATOU, Seiichi** [JP/JP]; Corporate Research Laboratories, Mitsubishi Rayon Co., Ltd., 20–1, Miyuki–cho, Otake–shi, Hiroshima 739–0693 (JP).

(74) **ASAMURA, Kiyoshi** et al. / etc.; Room 331, New Ohtemachi Building, 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).

(81) CN KR RO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B01J 31/02, 27/125, 31/26**

(11) **WO 99/54038** (13) A1

(21) PCT/US99/08121

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/064,518 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LIQUID CLATHRATE COMPOSITIONS
• COMPOSITIONS LIQUIDES DE CLATHRATE

(71) **ALBEMARLE CORPORATION** [US/US]; 451 Florida Street, Baton Rouge, LA 70801–1765 (US).

(72) **PARK, Won, S.**; 1411 Salisbury Drive, Baton Rouge, LA 70816 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B01J 31/12, 31/02, C08G 63/85**

(11) **WO 99/54039** (13) A1

(21) PCT/US99/08337

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,348 **17 Apr/avr 1998 (17.04.1998)** US

(30) 09/921,958 **15 Apr/avr 1999 (15.04.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CATALYST COMPOSITION COMPRISING A TITANIUM COMPOUND, A PHOSPHORUS COMPOUND AND A SOLUBILITY PROMOTER; PREPARATION AND USE THEREOF
• COMPOSITION DE CATALYSE COMPRENANT UN COMPOSE A BASE DE TITANE, UN COMPOSE A BASE DE PHOSPHORE ET UN PROMOTEUR DE SOLUBILITE, LEUR PREPARATION ET LEUR UTILISATION

(71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PUTZIG, Donald, Edward** [–/US]; 11 Forge Road, Newark, DE 19711 (US). **MCBRIDE, Edward, Francis** [–/US]; 2927 Faulkland Road, Wilmington, DE 19808 (US). **DO, Hiep, Quang** [–/US]; 146 Dummond Farms Lane, Newark, DE 19711 (US). **TRAINHAM, James, Arthur** [–/US]; 8309 Fazio Drive, Wilmington, NC 28411 (US). **JAEGER, Hermann, Ludwig** [–/DE]; Von–Galen–Strasse 34, D–59063 Hamm (DE). **SCHULTE, Heiner** [–/DE]; Gemenweg 5, D–48149 Munster (DE).

(74) **SHAY, Lucas, K.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) AE AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 31/38, 31/02, C08G 63/85**

(11) **WO 99/54040** (13) A1

(21) PCT/US99/08338

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,463 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/291,960 **15 Apr/avr 1999** US **(15.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CATALYTIC COMPOSITION COMPRISING A TITANIUM COMPOUND, AN AMINE AND A PHOSPHORUS COMPOUND; PREPARATION AND USE THEREOF
• COMPOSITION CATALYTIQUE COMPRENANT UN COMPOSE DE TITANE, UNE AMINE ET UN COMPOSE PHOSPHORE, LEUR PREPARATION ET LEUR UTILISATION

(71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PUTZIG, Donald, Edward** [–/US]; 11 Forge Road, Newark, DE 19711 (US). **MCBRIDE, Edward, Francis** [–/US]; 2927 Faulkland Road, Wilmington, DE 19808 (US). **DO, Hiep, Quang** [–/US]; 146 Drummond Farms Lane, Newark, DE 19711 (US). **TRAINHAM, James, Arthur** [–/US]; 8309 Fazio Drive, Wilmington, NC 28411 (US). **JAEGER, Hermann, Ludwig** [–/DE]; Von–Galen–Strasse 34, D–59063 Hamm (DE). **SCHULTE, Heiner** [–/DE]; Gemenweg 5, D–48149 Munster (DE).

(74) **SHAY, Lucas, K.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) AE AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B01J 31/40, 38/60, C07C 41/06**

(11) **WO 99/54041** (13) A1

(21) PCT/US99/07090

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) en (26) en

(30) 09/064,112 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REGENERATION OF SULFONIC ACID RESIN CATALYST USED IN THE PRODUCTION OF ETHER
• REGENERATION DU CATALYSEUR DE RESINE D'ACIDE SULFONIQUE UTILISE DANS LA PRODUCTION DE L'ETHER

(71) **DONALD WELLS CONSULTING COMPANY** [US/US]; 2347 Bright Meadows, Missouri City, TX 77489 (US).

(72) **WELLS, Donald**; 2347 Bright Meadows, Missouri City, TX 77489 (US).

(81) MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B01L 3/02 // F04B 43/04**

(11) **WO 99/54042** (13) A1

(21) PCT/EP99/02662

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 438.1 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR PROVIDING LIQUIDS FOR PIPETTING SYSTEMS
• DISPOSITIF DE PREPARATION DE LIQUIDES DESTINE A DES SYSTEME DE PIPETTAGE

(71) **BIOTUL BIO INSTRUMENTS GMBH** [DE/DE]; Münchner Gewerbehof Westend, Gollierstrasse 70, D–80339 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRINK, Gunnar** [DE/DE]; Ganghofer Strasse 48, D–80339 München (DE). **TITTEL, Jakob** [DE/DE]; Wörthstrasse 13, D–81667 München (DE).

(74) **VOSSIUS & PARTNER**; Siebertstrasse 4, D–81675 München (DE).

(81) AU CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B01L 9/00, 3/02, B65D 25/10**

(11) **WO 99/54043** (13) A2

(21) PCT/EP99/02602

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 622.8 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSPORT AND STORAGE STACK
• PILE DE TRANSPORT ET DE RESERVE

(71, 72) **STEINBRENNER, Bernd** [DE/DE]; Bergstrasse 32, D–69151 Neckargemünd (DE).

(72, 75) **STEINBRENNER, Roger** [DE/DE]; Erzheimer Strasse 15, D–69434 Hirschhorn (DE).

(74) **WEBER, Walter**; Handschuhsheimer Landstrasse 2a, D–69120 Heidelberg (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B02C 4/10**

(11) **WO 99/54044** (13) A1

(21) PCT/EP99/02606

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 274.5 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR FINE GRINDING MINERAL AND NON–MINERAL SUBSTANCES
• PROCEDE ET DISPOSITIF DE BROYAGE FIN DE SUBSTANCES MINERALES ET NON MINERALES

(71) **CEMAG GMBH** [DE/DE]; Brekelbaumstrasse 5, D–31789 Hameln (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FEIGE, Fritz** [DE/DE]; Sibeliusweg 8, D–06862 Roßlau (DE).

(74) **ABITZ, Walter** et al. / etc.; Postfach 86 01 09, D–81628 München (DE).

(81) AU BR CA CZ HU IN JP KR PL TR US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B02C 7/12, D21B 1/14, D21D 1/30**

(11) **WO 99/54045** (13) A1

(21) PCT/FI99/00306

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) sv (26) en

(30) 980849 **16 Apr/avr 1998** FI **(16.04.1998)**

(30) 981627 **17 Jul/juil 1998** FI **(17.07.1998)**

(30) 981788 **20 Aug/août 1998** FI **(20.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR PROCESSING PULP STOCK DERIVED FROM A PULP OR PAPER MILL

- PROCEDE ET APPAREIL DE TRAITEMENT DE PULPE D'UNE USINE DE PATE OU DE PAPIER

(71) **MEGATREX OY** [FI/FI]; Rasalankatu 9B, FIN–33730 Tampere (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VIRTANEN, Hannu** [FI/FI]; Ollinojankatu 10 E 26, FIN–33400 Tampere (FI). **HUOVINEN, Mauno** [FI/FI]; Kuusikuja 3 G, FIN–02880 Veikkola (FI).

(74) **TURUN PATENTTITOIMISTO OY**; P.O. Box 99, FIN–20521 Turku (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B02C 7/12, D21B 1/14, D21D 1/30**

(11) **WO 99/54046** (13) A1

(21) PCT/FI99/00308

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 980848 **16 Apr/avr 1998 (16.04.1998)** FI

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REFINER DISK SEGMENT
• SEGMENT DE DISQUE RAFFINEUR

(71) **METSÄ–SERLA OYJ** [FI/FI]; Revontulentie 6, FIN–02100 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VIKMAN, Kai** [FI/FI]; Kaskitie 2, FIN–08800 Kirkniemi (FI).

(74) **SEPPO LAINE OY**; Itämerenkatu 3 B, FIN–00180 Helsinki (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B02C 15/00**

(11) **WO 99/54047** (13) A2

(21) PCT/US99/06268

(22) **23 Mar/mar 1999 (23.03.1999)**

(25) en (26) en

(30) 09/062,109 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PULVERIZER APPARATUS WITH HORIZONTAL AXIS PIVOT SCRAPER
• CENTRALE DE PULVERISATION RACLOIR A AXE HORIZONTAL MONTE SUR PIVOT

(71) **COMBUSTION ENGINEERING, INC.** [US/US]; 2000 Day Hill Road, Windsor, CT 06095 (US).

(72) **PRAIRIE, Robert, Stephen**; 41 Sutton Drive, Vernon, CT 06066 (US). **PRZYBYCIEN, Ronald, Patrick**; 18 Rampart Court, Holyoke, MA 01040 (US).

(74) **FOURNIER, Arthur, E., Jr.** et al. / etc.; Combustion Engineering, Inc., 2000 Day Hill Road, Windsor, CT 06095–0500 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B02C 19/06**

(11) **WO 99/54048** (13) A1

(21) PCT/GB99/01189

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9808470.0 **22 Apr/avr 1998 (22.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLUID ENERGY MILLING PROCESS AND APPARATUS
• PROCEDE DE MICRONISATION UTILISANT L'ENERGIE D'UN FLUIDE, ET APPAREIL ASSOCIE

(71) **SMITHKLINE BEECHAM PLC** [GB/GB]; New Horizons Court, Brentford, Middlesex TW8 9EP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HATTON, Anthony, Guy** [GB/GB]; SmithKline Beecham Pharmaceuticals, Clarendon Road, Worthing, West Sussex BN14 8QH (GB).

(74) **GIDDINGS, Peter, John**; SmithKline Beecham, Corporate Intellectual Property, Two New Horizons Court, Brentford, Middlesex TW8 9EP (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B02C 21/02**

(11) **WO 99/54049** (13) A1

(21) PCT/GB99/01210

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808468.4 **22 Apr/avr 1998 (22.04.1998)** GB

(30) 9810807.9 **20 May/mai 1998 (20.05.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A MINERAL BREAKER APPARATUS
• APPAREIL A CONCASSER LES MINERAUX

(71) **MMD DESIGN & CONSULTANCY LIMITED** [GB/GB]; Cotes Park Lane, Cotes Park Industrial Estate, Somercotes, Derbyshire DE55 4NJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **POTTS, Alan** [GB/GB]; MMD Design & Consultancy Limited, Cotes Park Lane, Cotes Park Industrial Estate, Somercotes, Derbyshire DE55 4NJ (GB).

(74) **DEALTRY, Brian**; Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B03C 1/00, B01D 35/06**

(11) **WO 99/54050** (13) A1

(21) PCT/JP99/02033

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/106409 **16 Apr/avr 1998 (16.04.1998)** JP

(30) 11/30419 **8 Feb/fév 1999 (08.02.1999)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR SEPARATING MAGNETIC PARTICLES MIXED IN FLUID, SEPARATING SYSTEM, AND SEPARATOR
• PROCEDE POUR SEPARER DES PARTICULES MAGNETIQUES MELANGEES DANS UN FLUIDE, SYSTEME DE SEPARATION ET SEPARATEUR

(71, 72) **KOJIMA, Haruo** [JP/JP]; 970–6, Izumichoootomi, Toki–shi, Gifu 509–5132 (JP).

(74) **SUZUKI, Shoji** et al. / etc.; Nihonseimeiyotsuya Building, 6th floor, 16–2, Samoncho, Shinjuku–ku, Tokyo 160–0017 (JP).

(81) AU BR CA CN CZ ID IL IN IS KR MX NO NZ PL RO RU SG TR US YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B04B 5/00**

(11) **WO 99/54051** (13) A1

(21) PCT/EP99/02584

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) PCT/EP98/02219 **16 Apr/avr 1998** EP **(16.04.1998)**

(30) 199 11 212.6 **12 Mar/mar 1999** DE **(12.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FREE JET CENTRIFUGE
• CENTRIFUGEUSE A JET LIBRE

(71) **FILTERWERK MANN + HUMMEL GMBH** [DE/DE]; D–71631 Ludwigsburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FREHLAND, Peter** [DE/DE]; Beutenfeldstrasse 11, D–71254 Ditzingen (DE). **FISCHER, Helmut** [DE/DE]; Talstrasse 5, D–71686 Remseck (DE).

(74) **VOTH, Gerhard**; Filterwerk Mann + Hummel GmbH, D–71631 Ludwigsburg (DE).

(81) BR CA JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B05B 9/043**

(11) **WO 99/54052** (13) A1

(21) PCT/US99/08046

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 09/062,148 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FOAMING NOZZLE FOR TRIGGER SPRAYER
• BUSE A MOUSSE POUR PULVERISATEUR A GACHETTE

(71) **CONTINENTAL SPRAYERS INTERNATIONAL, INC.** [US/US]; 27 Guenther Boulevard, St. Peters, MO 63376 (US).

(72) **HUNSICKER, Michael, Greggory**; 682 Bent Oak Drive, Lake St. Louis, MO 63367 (US).

(74) **ROLNICKI, Joseph, M.** et al. / etc.; Howell & Haferkamp, L.C., 7733 Forsyth Boulevard, St. Louis, MO 63105 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B05B 11/00, A61K 7/00**

(11) **WO 99/54053** (13) A1

(21) PCT/IB99/00655

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/063,324 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SKIN CARE KIT
• KIT DE SOIN DE BEAUTE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) **HARGRAVES, Peter, James**; 9958 Giverny Boulevard, Cincinnati, OH 45241 (US). **WILLSON, Julie, Elizabeth**; Apartment 401, 24 Bank Street, Philadelphia, PA 19106 (US). **IRWIN, Christopher**; 10514 Stablehand Drive, Cincinnati, OH 45242 (US). **FOWLER, Timothy, John**; 4754 Kugler Mill Road, Cincinnati, OH 45236 (US). **HA, Robert, Bao, Kim**; 1199 Mellie Avenue, Milford, OH 45150 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217–1087 (US).

(81) AU BR CA CN CZ CZ (Utility model / modèle d'utilité) JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B05B 11/00**

(11) **WO 99/54054** (13) A1

(21) PCT/IB99/00704

(22) **18 Apr/avr 1999 (18.04.1999)**

(25) de (26) de

(30) 879/98 **17 Apr/avr 1998** CH **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FOAM SPRAYING DEVICE
• DISPOSITIF DE PULVERISATION DE MOUSSE

(71) **KEL DEVELOPMENT B.V.** [NL/NL]; Albert Einsteinweg 10, NL–5151 DL Drunen (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DE REGT, Jeroen** [NL/NL]; Musketier 9, NL–5346 WH Oss (NL). **VAN SWIETEN, Roy** [NL/NL]; van Deelenstraat 109, NL–5256 JG Oud–Heusden (NL).

(74) **SPIERENBURG, Pieter**; Im Grund 12, CH–5405 Baden–Dättwil (CH).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B05C 5/02, 11/10, B05B 7/08**

(11) **WO 99/54055** (13) A1

(21) PCT/US99/08717

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,651 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 09/141,959 **28 Aug/août 1998** US **(28.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SEGMENTED METERING DIE FOR HOT MELT ADHESIVES OR OTHER POLYMER MELTS
• FILIERE DE MESURE SEGMENTEE POUR ADHESIF THERMOFUSIBLE OU AUTRES POLYMERES FONDUS

(71) **NORDSON CORPORATION** [US/US]; 28601 Clemens Road, Westlake, OH 44145 (US).

(72) **ALLEN, Martin, A.**; 570 Thompson Creek Park Road, Dawsonville, GA 30534 (US).

(74) **ROONEY, Kevin, G.** et al. / etc.; Wood, Herron & Evans L.L.P., 2700 Carew Tower, Cincinnati, OH 45202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B05C 17/035, E04G 21/20**

(11) **WO 99/54056** (13) A1

(21) PCT/EP99/02683

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) de (26) de

(30) 298 07 081.2 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPLICATOR DEVICE, ESPECIALLY FOR MORTAR
• DISPOSITIF APPLICATEUR, NOTAMMENT POUR MORTIER

(71) **BAYOSAN WACHTER GMBH & CO. KG** [DE/DE]; Reckenberg 12, D–87541 Hindelang (DE).

(72) **WACHTER, Anton**; Am Mayerling 3, D–87541 Hindelang (DE).

(74) **FIENER, Josef**; Maximilianstrasse 57, Postfach 12 49, D–87712 Mindelheim (DE).

(81) CZ PL SK; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B05D 1/02, B05B 7/06**

(11) **WO 99/54057** (13) A1

(21) PCT/US99/08519

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,069 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR APPLYING A CONTROLLED PATTERN OF FIBROUS MATERIAL TO A MOVING SUBSTRATE
• PROCEDE ET APPAREIL PERMETTANT L'APPLICATION D'UN MOTIF CONTROLE DE MATERIAU FIBREUX SUR UN SUBSTRAT MOBILE

(71) **NORDSON CORPORATION** [US/US]; 28601 Clemens Road, Westlake, OH 44145 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MILLER, Scott, R.** [US/US]; 10845 Shagbark Trail, Roswell, GA 30075 (US). **SCHMIDT, Paul, A.** [–/US]; 511 Sweet Fern Lane, Sugar Hill, GA 30518 (US). **CRAINE, Andrew, W.** [US/US]; 80 Fairway Ridge Drive, Alpharetta, GA 30022 (US).

(74) **BRINKMAN, David, H.** et al. / etc.; Wood, Herron & Evans, L.L.P., 2700 Carew Tower, Cincinnati, OH 45202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B05D 1/02, 3/02, H01B 1/24**

(11) **WO 99/54058** (13) A1

(21) PCT/US99/08708

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,904 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXTENDED WEAR DEVELOPER SLEEVE COATING FORMULATION
• FORMULATION DE REVETEMENT DE MANCHON DE DEVELOPPATEUR, A DUREE DE VIE PROLONGEE

(71) **LEXMARK INTERNATIONAL, INC.** [US/US]; 740 West New Circle Road, Lexington, KY 40550 (US).

(72) **CHRISTIANSEN, Robert, Arnold**; 691 Old Brown Road, Salvisa, KY 40372 (US). **DIGIROLAMO, Martin, Victor**; 873 Della Drive, Lexington, KY 40504 (US). **MORRIS, Michelle, Kathryn**; 3305 Buckhorn Drive, Lexington, KY 40515 (US). **TRAYNER, Mark, Meredith**; 1655 Bellows Mill Road, Harrodsburg, KY 40330 (US).

(74) **LAMBERT, D., Brent**; Lexmark International, Inc., 740 West New Circle Road, Lexington, KY 40550 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B05D 1/04, 7/24**

(11) **WO 99/54059** (13) A1

(21) PCT/JP99/02015

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/106270 **16 Apr/avr 1998** JP **(16.04.1998)**

(30) 10/182069 **29 Jun/juin 1998** JP **(29.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF REGULATING COATING AND METHOD OF FINISH COATING
• PROCEDE DE REGULATION DE MATERIAU D'ENDUCTION ET PROCEDE RELATIF A L'ELABORATION D'UN ENDUIT DE FINITION

(71) **KANEKA CORPORATION** [JP/JP]; 2–4, Nakanoshima 3–chome, Kita–ku, Osaka–shi, Osaka 530–8288 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKAMURA, Seigo** [JP/JP]; 4–1–23, Okihamacho, Takasagocho, Takasago–shi, Hyogo 676–0026 (JP). **ANDO, Naotami** [JP/JP]; 130–1, Nozoe 3–chome, Harimacho, Kako–gun, Hyogo 675–0151 (JP). **INOUE, Masaharu** [JP/JP]; 2–5–610, Tokuicho 5–chome, Nada–ku, Kobe–shi, Hyogo 657–0033 (JP). **KOHNO, Yoshiyuki** [JP/JP]; 3–26–103, Nishiakashikitamachi 3–chome, Akashi–shi, Hyogo 673–0018 (JP). **NAMBU, Toshiro** [JP/JP]; 1722–20, Tsutsujigaoka 7–chome, Tarumi–ku, Kobe–shi, Hyogo 655–0853 (JP).

(74) **YASUTOMI, Yasuo** et al. / etc.; Recruit Shin Osaka Building, 14–22, Nishinakajima 5–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0011 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B05D 5/08, 7/14**

(11) **WO 99/54060** (13) A2

(21) PCT/DE99/01133

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 16 710.5 **15 Apr/avr 1998** DE **(15.04.1998)**

(30) 198 16 868.3 **16 Apr/avr 1998** DE **(16.04.1998)**

(30) 198 30 166.9 **6 Jul/juil 1998** DE **(06.07.1998)**

(30) 198 48 611.1 **21 Oct/oct 1998** DE **(21.10.1998)**

(30) 198 48 591.3 **21 Oct/oct 1998** DE **(21.10.1998)**

(30) 198 48 614.6 **21 Oct/oct 1998** DE **(21.10.1998)**

(30) 198 48 613.8 **21 Oct/oct 1998** DE **(21.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LOADING ESPECIALLY METALLIC OR METAL–CERAMIC TECHNICAL SURFACES WITH A FLUORO–ORGANIC COMPOUND
• SURFACES INDUSTRIELLES, NOTAMMENT EN METAL OU EN METALLO–CERAMIQUE, CHARGEES D'UN COMPOSE FLUORO–ORGANIQUE

(71) **EXTREME ENERGY AND POWER COMPANY LIMITED** [US/US]; 15862 S.W. Redclover Lane, Sherwood, OR 97140 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROZA, Igor** [DE/DE]; Sudetenstrasse 5, D–87600 Kaufbeuren (DE). **BULTYKHANOVA, Natalia** [RU/DE]; Gablonzer Ring 98, D–87600 Kaufbeuren (DE).

(74) **VIERING, JENTSCHURA & PARTNER**; Steinsdorfstrasse 6, D–80538 München (DE).

(81) AE AL AT AU BA BB BG BR CA CH CN CU CZ DK ES FI GB GD GH GM HR HU ID IL IN IS JP KE KP KR LC LK LR LS LT LU LV MG MK MN MW MX NO NZ PL PT RO SD SE SG SI SK SL TR TT UG US VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B06B 1/12**

(11) **WO 99/54061** (13) A1

(21) PCT/JP99/02107

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/110705 **21 Apr/avr 1998 (21.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SHAKING MACHINE
• MACHINE A SECOUSSES

(71) **EYELA–CHINO INC.** [JP/JP]; 6–12, Kichijoji Higashi–cho 3–chome, Musashino–shi, Tokyo 180–0002 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHODA, Yoshihide** [JP/JP]; 604, 14–1, Kamikizaki 1–chome, Urawa–shi, Saitama 338–0804 (JP).

(74) **KIDO, Kazuhiko** et al. / etc.; Maruishi Dai–Ni Building, 9–16, Kajicho 1–chome, Chiyoda–ku, Tokyo 101–0044 (JP).

(81) JP US.

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(51)[6] **B07B 1/42**

(11) **WO 99/54062** (13) A1

(21) PCT/US99/07554

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 09/061,494 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VIBRATORY SCREEN SEPARATOR
• TAMIS–SEPARATEUR A VIBRATIONS

(71) **EMERSON ELECTRIC CO.** [US/US]; 8000 West Florissant Avenue, St. Louis, MO 63136 (US).

(72) **CARR, Brian, S.**; 162 Henry Clay Avenue, Ft. Wright, KY 41011 (US). **HUKKI, Ari, M.**; 3231 Ridgetop Way, Edgewood, KY 41017 (US). **JOHNSON, Eric, K., Jr.**; 3018 Edge Mar Drive, Edgewood, KY 41017 (US).

(74) **MCCONAGHY, John, D.**; Lyon & Lyon LLP, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071–2066 (US).

(81) AU CA MX NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B08B 1/04, A47L 11/38**

(11) **WO 99/54063** (13) A1

(21) PCT/ES98/00097

(22) **16 Apr/avr 1998 (16.04.1998)**

(25) es (26) es

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MACHINE FOR TREATING FACADES
• MACHINE A TRAITER LES SURFACES

(71, 72) **SANCHEZ GARCIA, Francisco Javier** [ES/ES]; Urbanización Eurovillas, Nuevo Baztán, Rda. Hispanoamericana, 12, E–28514 Madrid (ES). **BALLANO GARCIA, Antonio** [ES/ES]; Calle Leoncio Bautista, 8, 2°, E–28019 Madrid (ES).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B21B 13/12, 1/08**

(11) **WO 99/54064** (13) A1

(21) PCT/JP99/02021

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/123005 **15 Apr/avr 1998 (15.04.1998)** JP

(30) 10/259359 **27 Aug/août 1998 (27.08.1998)** JP

(30) 10/285701 **7 Oct/oct 1998 (07.10.1998)** JP

(30) 10/298846 **20 Oct/oct 1998 (20.10.1998)** JP

(30) 10/300008 **21 Oct/oct 1998 (21.10.1998)** JP

(30) 10/300161 **21 Oct/oct 1998 (21.10.1998)** JP

(30) 11/25281 **2 Feb/fév 1999 (02.02.1999)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIFUNCTION ROLLING MILL FOR H–STEEL ROLLING EQUIPMENT AND ROLLING METHOD USING IT
• LAMINOIR MULTIFONCTIONS POUR LAMINER DES PROFILES EN H, EQUIPEMENT ET PROCEDE CORRESPONDANTS

(71) **NIPPON STEEL CORPORATION** [JP/JP]; 6–3, Otemachi 2–chome, Chiyoda–ku, Tokyo 100–8071 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IKEZAKI, Toru** [JP/JP]; Nippon Steel Corporation Engineering Divisions Group, 46–59, Oaza–Nakabaru, Tobata–ku, Kitakyushu City, Fukuoka 804–0002 (JP). **SUZUKI, Takashi** [JP/JP]; Nippon Steel Corporation Engineering Divisions Group, 46–59, Oaza–Nakabaru, Tobata–ku, Kitakyushu City, Fukuoka 804–0002 (JP). **HAJI, Takashi** [JP/JP]; Nippon Steel Corporation Engineering Divisions Group, 46–59, Oaza–Nakabaru, Tobata–ku, Kitakyushu City, Fukuoka 804–0002 (JP). **MIZUTANI, Hideo** [JP/JP]; Nippon Steel Corporation Engineering Divisions Group, 46–59, Oaza–Nakabaru, Tobata–ku, Kitakyushu City, Fukuoka 804–0002 (JP).

(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki, Ishida & Associates, Toranomon 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–8423 (JP).

(81) AU CN IN KR RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B21C 1/24**

(11) **WO 99/54065** (13) A1

(21) PCT/US99/06681

(22) **26 Mar/mar 1999 (26.03.1999)**

(25) en (26) en

(30) 09/064,293 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLOATING PLUG FOR DRAWING OF TUBES
• BOULET FLOTTANT POUR RAINURAGE DE TUBES

(71) **CERRO COPPER TUBE CO.** [US/US]; 516 West Chestnut, P.O. Box 168, Shelbina, MO 63468 (US).

(72) **BLACKWELL, Ellis**; 12744 Girdled Road, Concord, OH 44077 (US). **MAISEL, Darrell, K.**; 236 Hummingbird Lane, Hannibal, MO 63401 (US).

(74) **DUDKOWSKI, Alyssa, A.** et al. / etc.; Mayer Brown & Platt, 190 South LaSalle Street, Chicago, IL 60603–3441 (US).

(81) AU BR CA JP KR MX RU SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B21C 9/00, 3/14**

(11) **WO 99/54066** (13) A1

(21) PCT/EP99/02750

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 088.2 **17 Apr/avr 1998 (17.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR COATING AND SHAPING STRAND–SHAPED METALLIC MATERIAL BY DRAWING

- PROCEDE ET DISPOSITIF D'ENDUCTION ET DE DEFORMATION D'UNE MATIERE METALLIQUE EN FORME DE BARRE A DEFORMER PAR ETIRAGE

(71) **ECOFORM UMFORMTECHNIK GMBH** [DE/DE]; Hallwachsstrasse 3, D–01069 Dresden (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEINHOLD, Harri** [DE/DE]; Am Schäferberg 5a, D–01731 Kreischa (DE). **HÜBNER, Armin** [DE/DE]; Pirnaer Landstrasse 211, D–01259 Dresden (DE). **KURZE, Bernhard** [DE/DE]; Altnickern 11, D–01239 Dresden (DE). **ZSCHORN, Gerd** [DE/DE]; Permoserstrasse 3, D–01307 Dresden (DE).

(74) **RAUSCHENBACH, Marion**; Postfach 270175, D–01172 Dresden (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B21C 33/00**

(11) **WO 99/54067** (13) A1

(21) PCT/IT99/00045

(22) **23 Feb/fév 1999 (23.02.1999)**

(25) en (26) en

(30) MI98A000822 **17 Apr/avr 1998** IT **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- DIRECT EXTRUSION PRESS OF THE SHORT–STROKE TYPE HAVING THE BILLET LOADER INTEGRALLY MOUNTED ON THE PRESS ITSELF
- PRESSE A EXTRUSION DIRECTE DU TYPE A COURTE COURSE DANS LAQUELLE LE CHARGEUR D'EBAUCHE EST INTEGRALEMENT FIXE SUR LA PRESSE

(71) **DEMAG ITALIMPIANTI S.P.A.** [IT/IT]; Via Rubattino, 87, I–20134 Milano (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BERTELLI, Aristide** [IT/IT]; Via Silvio Pellico, 24, I–20091 Bresso (IT). **ZAMBETTI, Guido** [IT/IT]; Via Morlanin, 18, I–24058 Romano di Lombardia (IT).

(74) **ADORNO, Silvano**; Società Italiana Brevetti, Via Carducci, 8, I–20123 Milano (IT) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B21C 37/08**

(11) **WO 99/54068** (13) A1

(21) PCT/JP98/04962

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) ja (26) ja

(30) 10/107897 **17 Apr/avr 1998** JP **(17.04.1998)**

(30) 10/214320 **29 Jul/juil 1998** JP **(29.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- PIPE AND MOLDING EQUIPMENT ARRAY AND PIPE MOLDING METHOD
- PROCEDE ET STRUCTURE DE MOULAGE DE TUYAUX

(71) **NAKATA MFG. CO., LTD.** [JP/JP]; 12–2, Mikunihonmachi 2–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WANG, Feizhou** [CN/JP]; 201, Grace Shukugawa, 1–5, Kamiyoshihara–cho, Nishinomiya–shi, Hyogo 662–0954 (JP). **OKAMOTO, Atsumu** [JP/JP]; 3–2–38, Miyamadai, Kawanishi–shi, Hyogo 666–0151 (JP). **NAKANO, Tomoyasu** [JP/JP]; 5–4–24, Yamamoto–cho, Yao–shi, Osaka 581–0867 (JP). **NAKATA, Iwao** [JP/JP]; 59–22, Okuike Minami–cho, Ashiya–shi, Hyogo 659–0004 (JP).

(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki & Associates, Toranomon 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–8423 (JP).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B21C 47/34**

(11) **WO 99/54069** (13) A2

(21) PCT/DE99/01123

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 100.5 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- DEVICE FOR FEEDING THE FRONT END OF A WIRE COIL INTO A DRAWING INSTALLATION
- DISPOSITIF POUR AMENER L'EXTREMITE INITIALE D'UNE BOTTE DE FIL METALLIQUE A UNE INSTALLATION DE TREFILAGE

(71) **EJP MASCHINEN GMBH** [DE/DE]; Nideggener Strasse 150, D–52349 Düren (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PARASKEVAS, Elefterios** [DE/DE]; Maarweg 18, D–52076 Aachen (DE).

(74) **KÖNIG, Werner, E.**; König & Kollegen, Habsburgerallee 23–25, D–52064 Aachen (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B21C 49/00, 1/00**

(11) **WO 99/54070** (13) A1

(21) PCT/DE99/01172

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 096.3 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- METHOD FOR CONTINUOUS OPERATION OF A WIRE DRAWING INSTALLATION DURING A COIL CHANGE
- PROCEDE PERMETTANT DE FAIRE FONCTIONNER EN CONTINU UNE INSTALLATION DE TREFILAGE DURANT UN CHANGEMENT DE BOBINE

(71) **EJP MASCHINEN GMBH** [DE/DE]; Nideggener Strasse 150, D–52349 Düren (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PARASKEVAS, Elefterios** [DE/DE]; Maarweg 18, D–52076 Aachen (DE).

(74) **KÖNIG, Werner, E.**; Patentanwälte König & Kollegen, Habsburgerallee 23–25, D–52064 Aachen (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B21J 13/03**

(11) **WO 99/54071** (13) A1

(21) PCT/CH99/00123

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) de (26) de

(30) 884/98 **17 Apr/avr 1998** CH **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- MULTISTAGE METAL–FORMING MACHINE TOOL HAVING TOOL COMBINATION BLOCKS
- MACHINE–OUTIL A PLUSIEURS ETAGES TRAVAILLANT LE METAL PAR FORMAGE, MUNIE DE BLOCS COMBINES D'OUTILS

(71) **HATEBUR UMFORMMASCHINEN AG** [CH/CH]; General–Guisan–Strasse 21, CH–4153 Reinach (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZANZERL, Hermann** [CH/CH]; Hostet 112, CH–4305 Olsberg (CH). **MOSER, Markus** [CH/CH]; Haupstrasse 80, CH–4142 Münchenstein (CH).

(74) **A. BRAUN BRAUN HERITIER ESCHMANN AG**; Holbeinstrasse 36 – 38, CH–4051 Basel (CH).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B22D 11/12, B21B 1/46**

(11) **WO 99/54072** (13) A1

(21) PCT/EP99/02487

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 034.3 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR CONTINUOUSLY CASTING THIN METAL STRIPS
• PROCEDE ET DISPOSITIF POUR LA COULEE CONTINUE DE FEUILLARDS METALLIQUES MINCES

(71) **SMS SCHLOEMANN–SIEMAG AKTIENGESELLSCHAFT** [DE/DE]; Eduard–Schloemann–Strasse 4, D–40237 Düsseldorf (DE). **ACCIAI SPECIALI TERNI S.P.A.** [IT/IT]; Viale B. Brin, 218, I–05100 Terni (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SUCKER, Jürgen** [DE/DE]; Steffenstrasse 26, D–40545 Düsseldorf (DE). **CAPOTOSTI, Romeo** [IT/IT]; Strada Dellegrazie, 10, I–05020 Narni (IT).

(74) **VALENTIN, Ekkehard**; Grosse–Pollmeier–Valentin–Gihske, Hammerstrasse 2, D–57072 Siegen (DE).

(81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B22D 19/08, 19/10, 19/16, 19/00, B22C 9/00, 9/22, 9/06**

(11) **WO 99/54073** (13) A1

(21) PCT/AU99/00281

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) PP 2982 **16 Apr/avr 1998** AU **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BIMETALLIC PLATE
• PLAQUE BIMETALLIQUE

(71) **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION** [AU/AU]; Limestone Avenue, Campbell, ACT 2612 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEIJKOOP, Teunis** [AU/AU]; 4 Elliston Avenue, Highbury, S.A. 5089 (AU). **DICK, Ian, Robert** [AU/AU]; 11 Mariner Street, Linden Park, S.A. 5065 (AU). **BEDNARZ, Bernard** [AU/AU]; 11 Calthorpe Terrace, Ottoway, S.A. 5013 (AU). **GOSS, Geoffrey, Martin** [AU/AU]; Education Road, Happy Valley, S.A. 5159 (AU). **PEDERSEN, Philip, David** [AU/AU]; 128 Diment Road, Salisbury North, S.A. 5108 (AU). **BRUNTON, Robert, Sidney** [AU/AU]; 22/2–8 Clio Street, Sutherland, NSW 2232 (AU). **WRIGHT, William, Trickett** [AU/AU]; 16 Dock Road, Birchgrove, NSW 2041 (AU).

(74) **PHILLIPS ORMONDE & FITZPATRICK**; 367 Collins Street, Melbourne, VIC 3000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B22F 1/00, C09C 1/64, 3/04**

(11) **WO 99/54074** (13) A1

(21) PCT/JP99/02072

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/123879 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ALUMINUM PIGMENT
• PIGMENT D'ALUMINIUM

(71) **ASAHI KASEI METALS LIMITED** [JP/JP]; 1–2, Yurakucho 1–chome, Chiyoda–ku, Tokyo 100–0006 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IRI, Kiyoshi** [JP/JP]; 2–6–11, Mihara, Tomobemachi, Nishiibaraki–gun, Ibaraki 309–1704 (JP). **SUGIMOTO, Atsutoshi** [JP/JP]; Hiranohaitsu 202, 118–2, Asahimachi, Tomobemachi, Nishiibaraki–gun, Ibaraki 309–1717 (JP).

(74) **ASAMURA, Kiyoshi** et al. / etc.; New Ohtemachi Building, Room 331, 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).

(81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B22F 3/22, 3/26, C22C 1/10**

(11) **WO 99/54075** (13) A1

(21) PCT/US99/08535

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,138 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POWDERED MATERIAL RAPID PRODUCTION TOOLING METHOD AND OBJECTS PRODUCED THEREFROM
• PROCEDE D'OUTILLAGE DESTINE A LA FABRICATION RAPIDE DE MATIERES PULVERULENTES, ET OBJETS AINSI PRODUITS

(71) **THE PENN STATE RESEARCH FOUNDATION** [US/US]; 304 Old Main, University Park, PA 16802–7000 (US).

(72) **GERMAN, Randall, M.**; 1145 Outer Drive, State College, PA 16801 (US). **WEAVER, Timothy, J.**; 225 N. Thomas Street, Bellefonte, PA 16823 (US). **THOMAS, Julian, A.**; 75 Taylor Drive, Reedsville, PA 17084 (US). **ATRE, Sundar, V.**; 1602 Plaza Drive, State College, PA 16801 (US). **GRIFFO, Anthony**; 70 North Aciacia Park Drive, The Woodlands, TX 77382 (US).

(74) **MONAHAN, Thomas, J.**; The Pennsylvania State University, Intellectual Property Office, 113 Technology Center, University Park, PA 16802–7000 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B22F 5/00, H01M 4/80**

(11) **WO 99/54076** (13) A1

(21) PCT/JP99/02161

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) ja (26) ja

(30) 10/128108 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POROUS SINTERED BODY HAVING HIGH POROSITY, SECONDARY CELL ELECTRODE BASE COMPRISING POROUS SINTERED BODY, METHOD

OF PRODUCING THE SAME, AND ELECTRODE AND CELL USING THEM

- CORPS FRITTE POREUX AYANT UNE POROSITE ELEVEE, BASE D'ELECTRODE D'ELEMENT D'ACCUMULATEUR COMPRENANT CE CORPS FRITTE POREUX, PROCEDE DE PRODUCTION DE CETTE BASE, ET ELECTRODE ET ELEMENT D'ACCUMULATEUR LES UTILISANT

(71) **TOYO KOHAN CO., LTD.** [JP/JP]; 4–3, Kasumigaseki 1–chome, Chiyoda–ku, Tokyo 100–8911 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MATSUO, Satoru** [JP/JP]; Toyo Kohan Co., Ltd., Technical Research Laboratory, 1296–1, Higashitoyoi, Kudamatsu–shi, Yamaguchi–ken 744–8611 (JP). **OHMURA, Hitoshi** [JP/JP]; Toyo Kohan Co., Ltd., Kudamatsu Plant, 1302, Higashitoyoi, Kudamatsu–shi, Yamaguchi–ken 744–8611 (JP).

(74) **OHTA, Akio**; Toyo Kohan Co., Ltd., 4–3, Kasumigaseki 1–chome, Chiyoda–ku, Tokyo 100–8911 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B22F 7/06, C22C 5/00, 26/00, B24D 3/10**

(11) **WO 99/54077** (13) A1

(21) PCT/ZA99/00017

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 98/3381 **22 Apr/avr 1998** ZA **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- DIAMOND COMPACT
- STRUCTURE COMPACTE DE DIAMANT

(71) **DE BEERS INDUSTRIAL DIAMOND DIVISION (PROPRIETARY) LIMITED** [ZA/ZA]; Debid House, Corner Amethyst Street and Crownwood Road, Theta, Johannesburg 2001 (ZA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TANK, Klaus** [DE/ZA]; 9 Warbleton Avenue, Essexwold, Johannesburg 2007 (ZA). **PIPKIN, Noel, John** [GB/ZA]; 138/140 Pritchard Street, Johannesburg North 2153 (ZA). **MYBURGH, Johan** [ZA/ZA]; 13 Shelley Drive, Lakefield, Benoni 1501 (ZA).

(74) **GILSON, David, Grant** et al. / etc.; Spoor and Fisher, P.O. Box 41312, Craighall 2024 (ZA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B23C 5/10**

(11) **WO 99/54078** (13) A1

(21) PCT/US99/07458

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) en (26) en

(30) 09/062,843 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- HELICAL MILL HAVING MULTIPLE FLUTES WITH DIFFERING RAKE ANGLES
- FORET HELICOIDAL COMPRENANT PLUSIEURS GOUJURES A ANGLES DE COUPE DIFFERENTS

(71) **KENNAMETAL INC.** [US/US]; P.O. Box 231, Latrobe, PA 15650–0231 (US).

(72) **DEROCHE, Kenneth, G.**; R.D. 11, Box 699, Greensburg, PA 15601 (US). **FRANCIS, Mark, A.**; 6515 Copley Avenue, Solon, OH 44139 (US).

(74) **PRIZZI, John, J.**; Kennametal Inc., P.O. Box 231, Latrobe, PA 15650–0231 (US).

(81) AU BR CA CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B23H 7/10**

(11) **WO 99/54079** (13) A1

(21) PCT/JP99/02087

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/109994 **21 Apr/avr 1998** JP **(21.04.1998)**

(30) 10/109996 **21 Apr/avr 1998** JP **(21.04.1998)**

(30) 10/109997 **21 Apr/avr 1998** JP **(21.04.1998)**

(30) 10/109998 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- WORKING ROBOT FOR HEAT EXCHANGER AND METHOD OF OPERATING IT
- ROBOT DE SERVICE POUR ECHANGEUR DE CHALEUR ET PROCEDE DE FONCTIONNEMENT

(71) **HITACHI ZOSEN CORPORATION** [JP/JP]; 7–89, Nanko–kita 1–chome, Suminoe–ku, Osaka–shi, Osaka 559–0034 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IWASAKI, Hisashi** [JP/JP]; B–204, 2791–1, Oaza Higashisue, Ube–shi, Yamaguchi 759–0206 (JP). **KOMADA, Syuji** [JP/JP]; Hitachi Zosen Corporation, 7–89, Nanko–kita 1–chome, Suminoe–ku, Osaka–shi, Osaka 559–0034 (JP). **TAKAHASHI, Hirotaka** [JP/JP]; Hitachi Zosen Corporation, 7–89, Nanko–kita 1–chome, Suminoe–ku, Osaka–shi, Osaka 559–0034 (JP). **HYUGA, Minoru** [JP/JP]; Hitachi Zosen Corporation, 7–89, Nanko–kita 1–chome, Suminoe–ku, Osaka–shi, Osaka 559–0034 (JP). **FUJIMURA, Takashi** [JP/JP]; Hitachi Zosen Corporation, 7–89, Nanko–kita 1–chome, Suminoe–ku, Osaka–shi, Osaka 559–0034 (JP).

(74) **MORIMOTO, Yoshihiro**; All Nippon Airways (Nishi–Hommachi) Building, 4th floor, 10–10, Nishi–Hommachi 1–chome, Nishi–ku, Osaka–shi, Osaka 550–0005 (JP).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B23K 11/11**

(11) **WO 99/54080** (13) A1

(21) PCT/US99/07710

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/061,965 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- REAL–TIME WELDING SYSTEM
- SYSTEME DE SOUDAGE EN TEMPS REEL

(71, 72) **CECIL, Dimitrios, G.** [US/US]; 4370 Charing Way, Bloomfield Hills, MI 48304 (US).

(72) **CURCURI, Jeremy, J.**; 27200 Franklin Road #524, Southfield, MI 48034 (US).

(74) **NEMAZI, John, E.** et al. / etc.; Brooks & Kushman, 22nd floor, 1000 Town Center, Southfield, MI 48075 (US).

(81) CA DE GB JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B23K 20/12**

(11) **WO 99/54081** (13) A1

(21) PCT/GB99/01194

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9808607.7 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- CORROSION RESISTANT ENCLOSURE AND METHODS FOR ITS MANUFACTURE

- ENCEINTES RESISTANT A LA CORROSION ET LEURS PROCEDES DE FABRICATION

(71) **THE WELDING INSTITUTE** [GB/GB]; Abington Hall, Abington, Cambridge CB1 6AL (GB). **SVENSK KÄRNBRÄNSLEHANTERING AB** [SE/SE]; P.O. Box 5864, S–102 40 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEDMAN, Tommy** [SE/SE]; Ranvägen 5, S–187 70 Täby (SE). **ANDERSSON, Claes–Göran** [SE/SE]; Tjäderspelsv 25, S–155 30 Nykvarn (SE). **FIELDING, Peter, Bernard** [GB/GB]; Riverside Cottage, Hill Road, Great Sampford, Saffron Walden, Essex CB10 2RS (GB). **NICHOLAS, Edward, David** [GB/GB]; 106 Abbotts Road, Haverhill, Suffolk CB9 0DH (GB).

(74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B23K 26/08, 26/06**

(11) **WO 99/54082** (13) A1

(21) PCT/DE99/01182

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 851.4 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR DEFLECTING A LASER BEAM
• PROCEDE PERMETTANT DE DEVIER UN FAISCEAU LASER

(71) **LPKF LASER & ELECTRONICS AG** [DE/DE]; Osteriede 7, D–30827 Garbsen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLANK, Gunter** [DE/DE]; Kiliansberg 5, D–98553 Hinternah (DE). **KALUSA, Ulrich** [DE/DE]; Hinterhügel 10, D–98544 Zella–Mehlis (DE).

(74) **BRAUN, Dieter**; PAe Hagemann, Braun & Held, Hildesheimer Strasse 133, D–30173 Hannover (DE) et al. / etc.

(81) CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B23K 37/047, B62D 65/00**

(11) **WO 99/54083** (13) A1

(21) PCT/EP99/02439

(22) **10 Apr/avr 1999 (10.04.1999)**

(25) de (26) de

(30) 298 06 823.0 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR HANDLING AT LEAST ONE TENSIONING FRAME, ESPECIALLY FOR MOUNTING VEHICLE SHELLS
• DISPOSITIF POUR MANIPULER AU MOINS UN CADRE DE SERRAGE, NOTAMMENT POUR LE MONTAGE DE COQUES DE VEHICULES

(71) **KUKA SCHWEISSANLAGEN GMBH** [DE/DE]; Blücherstrasse 144, D–86165 Augsburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SEMMLINGER, Wilfried** [DE/DE]; Pappelstrasse 12, D–86343 Königsbrunn (DE). **KIKUT, Botho** [DE/DE]; Novalistrasse 10, D–86157 Augsburg (DE). **KRAUS, Gerhard** [DE/DE]; Trienter Strasse 56, D–86316 Friedberg (DE). **TAUCHEN, Günther–Eberhard** [DE/DE]; Panoramastrasse 2 e, D–86356 Neusäß (DE).

(74) **ERNICKE, Hans–Dieter** et al. / etc.; Schwibbogenplatz 2b, D–86153 Augsburg (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B23P 19/02**

(11) **WO 99/54084** (13) A1

(21) PCT/JP99/01782

(22) **2 Apr/avr 1999 (02.04.1999)**

(25) ja (26) ja

(30) 10/113740 **23 Apr/avr 1998** JP **(23.04.1998)**

(30) 10/133830 **15 May/mai 1998** JP **(15.05.1998)**

(30) 10/254207 **8 Sep/sep 1998** JP **(08.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INERTIAL PRESS FITTING METHOD
• PROCEDE D'AJUSTAGE SERRE PAR INERTIE

(71) **TOYOTA JIDOSHA KABUSHIKI KAISHA** [JP/JP]; 1, Toyota–cho, Toyota–shi, Aichi 471–8561 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORI, Hideo** [JP/JP]; Toyota Jidosha Kabushiki Kaisha, 1, Toyota–cho, Toyota–shi, Aichi 471–8561 (JP). **SHIOYA, Shigemi** [JP/JP]; Toyota Jidosha Kabushiki Kaisha, 1, Toyota–cho, Toyota–shi, Aichi 471–8561 (JP). **ENDOH, Kouki** [JP/JP]; Toyota Jidosha Kabushiki Kaisha, 1, Toyota–cho, Toyota–shi, Aichi 471–8561 (JP). **NAKAOKA, Masaki** [JP/JP]; Toyota Jidosha Kabushiki Kaisha, 1, Toyota–cho, Toyota–shi, Aichi 471–8561 (JP). **TAKEUCHI, Hiroyuki** [JP/JP]; Toyota Jidosha Kabushiki Kaisha, 1, Toyota–cho, Toyota–shi, Aichi 471–8561 (JP). **INUI, Michiya** [JP/JP]; Toyota Jidosha Kabushiki Kaisha, 1, Toyota–cho, Toyota–shi, Aichi 471–8561 (JP).

(74) **KANDO, Norikazu** et al. / etc.; Sohwa Patent Office, Toyo–Building, 14–16, Meieki 3–chome, Nakamura–ku, Nagoya–shi, Aichi 450–0002 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B23Q 1/64**

(11) **WO 99/54085** (13) A1

(21) PCT/SE99/00643

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) sv (26) en

(30) 9801407–9 **22 Apr/avr 1998** SE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR SETTING THE WORKING PARAMETERS OF A MACHINE
• PROCEDE DE REGLAGE DES PARAMETRES DE FONCTIONNEMENT D'UNE MACHINE

(71, 72) **JÖNSSON, Holger** [SE/SE]; Tylla 4, S–781 94 Borlänge (SE).

(74) **BÄCKSTRÖM, Leif, Conny**; Protector Leif C. Bäckström AB, P.O. Box 5132, S–165 12 Hässelby (SE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B23Q 11/10, B65D 83/14, F16N 7/00**

(11) **WO 99/54086** (13) A1

(21) PCT/EP99/02751

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 203.6 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR SUPPLYING A LUBRICANT TO A SURFACE OF A WORKPIECE TO BE MACHINED
• DISPOSITIF POUR ACHEMINER UN LUBRIFIANT A UNE SURFACE D'USINAGE D'UNE PIECE

(71) **SPETEC GESELLSCHAFT FÜR SPEKTROSKOPIE UND LABORTECHNIK MBH** [DE/DE]; Justus–von–Liebig–Strasse 2, D–85435 Erding (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RICKERT, Friedhelm** [DE/DE]; Pappelstrasse 5, D–85435 Erding (DE).

(74) **SÖLLNER, Udo**; Reinhardt Söllner Ganahl, Hausen 5b, D–85551 Kirchheim (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B24B 23/03, 41/047**

(11) **WO 99/54087** (13) A2

(21) PCT/US99/08689

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/065,821 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHOD FOR ROTARY MOTION CONVERSION AND WASTE PRODUCT COLLECTION UNIT
• APPAREIL ET PROCEDE DE CONVERSION D'UN MOUVEMENT ROTATIF ET UNITE DE COLLECTE

(63) US 09/065,821 (CIP) 23 Apr/avr 1998 (23.04.1998)

(71, 72) **RUDOLPH, Gary** [US/US]; Route 20, P.O. Box 335, Esperance, NY 12066 (US).

(74) **YABLON, Jay, R.**; Law Office of Jay R. Yablon, 910 Northumberland Drive, Schenectady, NY 12309 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B24B 37/04, H01L 21/768**

(11) **WO 99/54088** (13) A1

(21) PCT/US99/07542

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 09/064,928 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD OF CHEMICAL MECHANICAL POLISHING A METAL LAYER
• PROCEDE DE POLISSAGE CHIMIQUE MECANIQUE D'UNE COUCHE METALLIQUE

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **FISHKIN, Boris**; 155 Exeter Avenue, San Carlos, CA 94070 (US). **WIJEKOON, Kapila**; 1771 Warburton Avenue #3, Santa Clara, CA 95050 (US). **LIN, Ronald**; 1028 Lancer Drive, San Jose, CA 95129 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B24D 5/10, 7/10, B24B 55/02**

(11) **WO 99/54089** (13) A1

(21) PCT/AT99/00096

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) A 673/98 **21 Apr/avr 1998** AT **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GRINDING WHEEL
• MEULE

(71) **TYROLIT SCHLEIFMITTELWERKE SWAROVSKI KG** [AT/AT]; A–6130 Schwaz (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FISCHBACHER, Markus** [AT/AT]; Bachstrasse 17, A–6344 Walchsee (AT). **NOICHL, Hans** [AT/AT]; Gründaumühle 29, Aschau, A–6365 Kirchberg (AT).

(74) **TORGGLER, Paul** et al. / etc.; Wilhelm–Greilstrasse 16, A–6020 Innsbruck (AT).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B25B 1/24, 1/10**

(11) **WO 99/54090** (13) A1

(21) PCT/HR99/00005

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) P980211A **17 Apr/avr 1998** HR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ALL–PURPOSE VICE WITH SELF–ADJUSTABLE SLIDE
• ETAU MULTIUSAGES A MORS AUTOREGLABLE

(71, 72) **JURKOVIĆ, Eugen** [HR/HR]; Slavka Kolara 5, 10410 Velika Gorica (HR). **JURKOVIĆ, Rudolf** [HR/HR]; Slavka Kolara 5, 10410 Velika Gorica (HR).

(74) **INOVA D.O.O.**; TRG Hrvatskih Velikana 14, 10000 Zagreb (HR).

(81) BG BR CA CZ EE HU ID IL IS JP KR LT LV MK MX NZ PL RO RU SI SK TR UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B25B 13/00**

(11) **WO 99/54091** (13) A1

(21) PCT/US99/08778

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/065,806 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANALOG POSITION RATCHET MECHANISM
• MECANISME DE CLIQUET A POSITION ANALOGIQUE

(71) **MITCHELL & ASSOCIATES** [US/US]; 1154 North 2925 West, Layton, UT 84041 (US).

(72) **MITCHELL, M., Todd**; 1154 North 2925 West, Layton, UT 84041 (US).

(74) **NORTH, Vaughn, W.** et al. / etc.; Thorpe, North & Western, LLP, P.O. Box 1219, Sandy, UT 84091–1219 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B25B 27/14, 27/10**

(11) **WO 99/54092** (13) A1

(21) PCT/EP99/02269

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) de (26) de

(30) 198 18 029.2 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRESSURE TONGS
• PINCE A FLUIDE DE PRESSION

(71, 72) **KRETZSCHMAR, Michael** [DE/DE]; Heselstücken 18, D–22453 Hamburg (DE).

(74) **SIEMONS, Norbert** et al. / etc.; Neuer Wall 41, D–20354 Hamburg (DE).

(81) CA JP US; EA (AM AZ BY KG KZ MD RU TJ TM).

Published / Publiée : *(c)*

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(51)[6] **B25C 1/00, 1/04, B25F 5/02**

(11) **WO 99/54093** (13) A1

(21) PCT/FR99/00878

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) fr (26) fr

(30) 98/05028 **22 Apr/avr 1998 (22.04.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPACT GUN AND PNEUMATIC TACKER
• PISTOLET A CLOUER ET AGRAFEUSE PNEUMATIQUE

(71) **INSTITUT NATIONAL DE RECHERCHE ET DE SECURITE POUR LA PREVENTION DES ACCIDENTS DU TRAVAIL ET DES MALADIES PROFESSIONNELLES** [FR/FR]; 30, rue Olivier Noyer, F–75680 Paris Cedex 14 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **L'HUILLIER, Jean, Claude** [FR/FR]; 11, rue des Ormeaux, F–54425 Pulnoy (FR).

(74) **KEMPF, Dominique**; Bouju Derambure Bugnion, 52, rue de Monceau, F–75008 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B25D 9/14, E21C 3/20**

(11) **WO 99/54094** (13) A1

(21) PCT/SE99/00566

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) en (26) en

(30) 9801380–8 **21 Apr/avr 1998 (21.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HAMMER DEVICE
• DISPOSITIF DE PERCUSSION

(71) **ATLAS COPCO ROCK DRILLS AB** [SE/SE]; S–701 91 Örebro (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDERSSON, Kurt** [SE/SE]; Skälsätravägen 7, S–135 54 Tyresö (SE). **RODERT, Jörgen** [SE/SE]; Paviljongvägen 24, S–132 41 Saltsjö–Boo (SE).

(74) **GRUNDFELT, Gunnar**; Atlas Copco Rock Drills AB, Patents, S–701 91 Örebro (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B25J 5/00**

(11) **WO 99/54095** (13) A1

(21) PCT/JP99/02075

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/125232 **20 Apr/avr 1998 (20.04.1998)** JP

(30) 10/125233 **20 Apr/avr 1998 (20.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTROLLER FOR LEGGED MOBILE ROBOT
• CONTROLEUR POUR ROBOT MOBILE MUNI DE JAMBES

(71) **HONDA GIKEN KOGYO KABUSHIKI KAISHA** [JP/JP]; 1–1, Minami–Aoyama 2–chome, Minato–ku, Tokyo 107–8556 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKENAKA, Toru** [JP/JP]; Kabushiki Kaisha Honda Gijyutsu Kenkyusho, 4–1, Chuo 1–chome, Wako–shi, Saitama 351–0193 (JP). **HASEGAWA, Tadaaki** [JP/JP]; Kabushiki Kaisha Honda Gijyutsu Kenkyusho, 4–1, Chuo 1–chome, Wako–shi, Saitama 351–0193 (JP). **MATSUMOTO, Takashi** [JP/JP]; Kabushiki Kaisha Honda Gijyutsu Kenkyusho, 4–1, Chuo 1–chome, Wako–shi, Saitama 351–0193 (JP).

(74) **YOSHIDA, Yutaka**; 816 Ikebukuro White House Building, 20–2, Higashi Ikebukuro 1–chome, Toshima–ku, Tokyo 170–0013 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B26B 19/38**

(11) **WO 99/54096** (13) A1

(21) PCT/EP99/02401

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 17 273.7 **18 Apr/avr 1998 (18.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR TRANSMITTING DATA BETWEEN A SMALL ELECTRICAL DEVICE AND A SUPPLEMENTARY ELECTRICAL DEVICE WHICH CAN BE CONNECTED THERETO, AND DEVICES CONFIGURED ACCORDINGLY
• PROCEDE POUR LA TRANSMISSION DE DONNEES ENTRE UN PETIT APPAREIL ELECTRIQUE ET UN APPAREIL ELECTRIQUE SUPPLEMENTAIRE POUVANT ETRE RELIE A CE DERNIER, AINSI QU'APPAREILS DE CONFIGURATION CORRESPONDANTE

(71) **BRAUN GMBH** [DE/DE]; Frankfurter Strasse 145, D–61476 Kronberg (DE).

(72) **WOHLRABE, Frank**; Friedensstrasse 22, D–61476 Kronberg (DE).

(81) CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B26B 27/00**

(11) **WO 99/54097** (13) A1

(21) PCT/IB99/00680

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) BZ98A000018 **17 Apr/avr 1998 (17.04.1998)** IT

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PORTABLE WORK TOOL, ESPECIALLY FOR CUTTING, PEELING, STAMPING, PIERCING, BENDING OR DRILLING SMALL OBJECTS
• OUTIL DE TRAVAIL PORTABLE, SERVANT NOTAMMENT A DECOUPER, PELER, POINÇONNER, PERFORER, CINTRER OU PERCER DES OBJETS DE PETITE TAILLE

(71) **CUT–TEC S.N.C. DI OBERHUBER ERWIN & CO.** [IT/IT]; Via Weingartner, 42, I–39022 Lagundo (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OBERHUBER, Erwin** [IT/IT]; Via Weingartner, 42, I–39022 Lagundo (IT).

(74) **GALISE, Francesco**; Bugnion S.p.A., Via Perathoner, 31, I–39100 Bolzano (IT).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ DE DE (Utility model / modèle d'utilité) DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B26D 1/12, 5/20**

(11) **WO 99/54098** (13) A1

(21) PCT/US99/06540

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,278 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD ANS APPARATUS FOR UNIFORMLY SLICING FOOD PRODUCTS
• METHODE ET APPAREIL ASSURANT UN TRANCHAGE UNIFORME DE PRODUITS ALIMENTAIRES

(71) **URSCHEL LABORATORIES INCORPORATED** [US/US]; 2503 Calumet Avenue, Valparaiso, IN 46384 (US).

(72) **BUCKS, Brent, L.**; 1307 Del Vista Drive, Valparaiso, IN 46385 (US).

(74) **KENNEY, J., Ernest** et al. / etc.; Bacon & Thomas, PLLC, 4th floor – 625 Slaters Lane, Alexandria, VA 22314 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B26D 7/08, B26F 3/00, B65B 19/28**

(11) **WO 99/54099** (13) A1

(21) PCT/US99/08446

(22) **17 Apr/avr 1999 (17.04.1999)**

(25) en (26) en

(30) 09/061,651 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIPLE NOZZLE FLUID CUTTING SYSTEM FOR CUTTING WEBBED MATERIALS
• SYSTEME SERVANT A COUPER DES BANDES STRATIFIEES DE MATERIAUX AU MOYEN D'UN LIQUIDE PROVENANT D'AJUTAGES MULTIPLES

(71) **ROCKLINE INDUSTRIES, INC.** [US/US]; 1113 Maryland Avenue, Sheboygan, WI 53081 (US).

(72) **LIFE, James, A.**; 21 Wildwood Drive, Rogers, AR 72756 (US). **BROWN, Steven, P.**; 1413 Forest Street, Springdale, AR 72764 (US).

(74) **FLYNN, Terri, S.** et al. / etc.; Reinhart, Boerner, Van Deuren, Norris & Rieselbach, , S.C., Suite 2100, 1000 North Water Street, Milwaukee, WI 53202 (US).

(81) CA IL MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B26D 9/00**

(11) **WO 99/54100** (13) A1

(21) PCT/DE99/00606

(22) **1 Mar/mar 1999 (01.03.1999)**

(25) de (26) de

(30) 198 16 793.8 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR CUTTING SHEETS COMPRISED OF A CARRIER FILM AND A DECORATIVE LAYER LOCATED THEREON, ESPECIALLY EMBOSSED SHEETS
• PROCEDE ET DISPOSITIF POUR LE DECOUPAGE DE FEUILLES CONSTITUEES PAR UN FILM SUPPORT PRESENTANT UNE COUCHE DE DECORATION, EN PARTICULIER DE FEUILLES GRAINEES

(71) **LEONHARD KURZ GMBH & CO.** [DE/DE]; Schwabacher Strasse 482, D–90763 Fürth (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOPFENSITZ, Ralph** [DE/DE]; Fröschauer Strasse 5, D–90592 Schwarzenbruck (DE). **LUTZ, Norbert** [DE/DE]; Am Waldfriedhof 7, D–90607 Rückersdorf (DE).

(74) **PÖHLAU, Claus**; Louis, Pöhlau, Lohrentz & Segeth, Postfach 30 55, D–90014 Nürnberg (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B26F**

(11) **WO 99/54101** (13) A2

(21) PCT/EP99/02410

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 15 866.1 **8 Apr/avr 1998** DE **(08.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PAPER PERFORATOR
• PERFORATEUR POUR PAPIER

(71, 72) **WALCZAK, Andrzcej** [DE/DE]; Pestalozzistrasse 19, D–61231 Bad Nauheim (DE).

(74) **HARDERS, Gerhard**; Stettiner Strasse 2, D–61184 Karben (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B27B 3/00, B28D 1/06, B23D 49/00**

(11) **WO 99/54102** (13) A1

(21) PCT/RU99/00102

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) ru (26) ru

(30) 98106906 **20 Apr/avr 1998** RU **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SAWING MODULE, SAWING UNIT AND SAWING MACHINE
• MODULE DE SCIAGE, UNITE DE SCIAGE ET APPAREIL DE SCIAGE

(71, 72) **BLOKHIN, Mikhail Anatolievich** [RU/RU]; Mozhaiskoe shosse, 127–3, Odintsovo, Moskovskaya obl., 143000 (RU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B27K 5/02, 5/06, B27M 1/02**

(11) **WO 99/54103** (13) A1

(21) PCT/SE99/00631

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9801366–7 **20 Apr/avr 1998** SE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A THROUGH–COLOURED WOODEN ELEMENT AND A METHOD OF PRODUCING THROUGH–COLOURED WOODEN ELEMENTS
• ELEMENT EN BOIS TEINTE DANS LA MASSE, ET PROCEDE DE FABRICATION D'ELEMENTS EN BOIS TEINTES DANS LA MASSE

(71, 72) **LINDHE, Curt** [SE/SE]; Mårtsbovägen 20, S–777 93 Söderbärke (SE). **CASTWALL, Lennart** [SE/SE]; Kanalvägen 20, S–181 41 Åkersberga (SE).

(74) **BERG, S., A.** et al. / etc.; Albihns Patentbyrå Stockholm AB, P.O. Box 5581, S–114 85 Stockholm (SE).

(81) AU BR CA CN JP RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B28C 5/16**

(11) **WO 99/54104** (13) A1

(21) PCT/NO99/00127

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) no (26) en

(30) 19981784 **22 Apr/avr 1998** NO **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF PREPARING CEMENT MIXTURES AND MIXER TO BE USED FOR THE IMPLEMENTATION OF THE METHOD
• PROCEDE DE PREPARATION DE MELANGES CEMENTEUX ET MELANGEUR A UTILISER POUR LA MISE EN OEUVRE DU PROCEDE

(71) **OFFSHORE & MARINE AS** [NO/NO]; Strandgt. 147, N–4307 Sandnes (NO).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JAMTH, John, Kenneth** [NO/NO]; Tanke Svilandsgt. 56, N–4007 Stavanger (NO).

(74) **HÅMSØ, Borge** et al. / etc.; Håmsø Patentbyrå Ans, P.O. Box 171, N–4301 Sandnes (NO).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B28D 1/14, B23B 51/04**

(11) **WO 99/54105** (13) A1

(21) PCT/JP98/01886

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DRILL BIT
• FLEURET

(71, 72) **FUJITA, Shogo** [JP/JP]; 441, Tsuchimuro, Narita–shi, Chiba–ken 286–0815 (JP).

(81) AT AU CA CH DE DK ES GB NO SE US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B29C**

(11) **WO 99/54106** (13) A2

(21) PCT/EP99/02532

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 237.0 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCTING A MATRIX PROVIDED WITH CAVITIES AND DEVICE WITH A MATRIX OF THIS TYPE
• PROCEDE POUR LA FABRICATION D'UNE MATRICE MUNIE DE CAVITES ET DISPOSITIF COMPORTANT UNE MATRICE DE CE TYPE

(71, 72) **WAGNER, Werner** [DE/ES]; Calle dels Estranys, 69, Cielo de Bon Aire, E–07409 Alcudia (ES).

(74) **HOFFMEISTER, Helmut**; Goldstrasse 36, D–48147 Münster (DE).

(81) AM AU BA BG BR BY CA CN CZ EE GE HU JP KE KG KR KZ LC LT LV MX NO NZ PL RO RU SK TJ TR UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B29C 33/38, 47/12, 45/37, 33/40**

(11) **WO 99/54107** (13) A1

(21) PCT/US98/07971

(22) **21 Apr/avr 1998 (21.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLOW CHANNEL BLOCK AND METHOD OF MAKING
• BLOC DE CANAL D'ECOULEMENT ET PROCEDE DE FABRICATION

(71) **THE GOODYEAR TIRE AND RUBBER COMPANY** [US/US]; 1144 East Market Street, Akron, OH 44316–0001 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VARGO, Richard, David** [US/US]; 4172 Kenneth Road, Stow, OH 44224 (US). **BURG, Gary, Robert** [US/US]; 3205 Waterford Avenue N.W., Canton, OH (US).

(74) **LACHER, Frederick, K.**; c/o Robert W. Brown, The Goodyear Tire and Rubber Company, 1144 East Market Street, Akron, OH 44316–0001 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **B29C 41/08, 41/46**

(11) **WO 99/54108** (13) A1

(21) PCT/AU99/00299

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) PP 3094 **21 Apr/avr 1998** AU **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF COATING ARTICLES OF PLASTICS MATERIAL
• PROCEDE DE REVETEMENT D'ARTICLES EN MATIERE PLASTIQUE

(71) **DORIC PRODUCTS PTY. LTD.** [AU/AU]; 46–48 Redfern Street, Wetherill Park, NSW 2164 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ALCHIN, Michael, Brian** [AU/AU]; 65 Oxley Drive, Mittagong, NSW 2575 (AU).

(74) **SPRUSON & FERGUSON**; G.P.O. Box 3898, Sydney, NSW 2001 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B29C 45/30, 45/28**

(11) **WO 99/54109** (13) A1

(21) PCT/US98/10798

(22) **27 May/mai 1998 (27.05.1998)**

(25) en (26) en

(30) 09/063,762 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MANIFOLD SYSTEM HAVING FLOW CONTROL
• SYSTEME DE COLLECTEUR AVEC REGULATION DE L'ECOULEMENT

(71) **DYNISCO HOTRUNNERS, INC.** [US/US]; Emerson Avenue, P.O. Box 1227, Gloucester, MA 01930 (US).

(72) **KAZMER, David**; 507 Old Farm Road, Amherst, MA 01002 (US). **MOSS, Mark, D.**; 39 Carriage House Lane, Boxford, MA 01921 (US).

(74) **SCHULTZ, Christopher, S.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B29C 45/46**

(11) **WO 99/54110** (13) A1

(21) PCT/EP99/02479

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 1008924 **17 Apr/avr 1998** NL **(17.04.1998)**

(30) 1010503 **6 Nov/nov 1998** NL **(06.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PACKAGING FOR ENCAPSULATING MATERIAL
• EMBALLAGE DE MATIERE D'ENROBAGE

(71) **"3P" LICENSING B.V.** [NL/NL]; Ton van Weelden, Hengelder 16, NL–6902 PA Zevenaar (NL).
(for all designated States except / pour tous les États désignés sauf US)

(71) **ESEC MANAGEMENT S.A.** [CH/CH]; Dr. Urs Falk, Hinterbergstrasse 32, Postfach 5503, CH–6330 Cham (CH).
(for all designated States except / pour tous les États désignés sauf CN JP MX SG US)

(72, 75) **STIJNMAN, Paulus, Wilhelmus, Adrianus** [NL/NL]; Schalmei 45, NL–6904 PZ Zevenaar (NL).

(74) **ESEC MANAGEMENT S.A.**; Dr. Urs Falk, Hinterbergstrasse 32, Postfach 5503, CH–6330 Cham (CH).

(81) CN JP MX SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B29C 45/67**

(11) **WO 99/54111** (13) A1

(21) PCT/EP99/02404

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 16 852.7 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INJECTION MOULDING MACHINE
• MACHINE DE MOULAGE PAR INJECTION

(71) **KRAUSS–MAFFEI KUNSTSTOFFTECHNIK GMBH** [DE/DE]; Krauss–Maffei–Strasse 2, D–80997 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DERKS, Martin** [DE/DE]; Sarasate Strasse 7, D–81247 München (DE).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B29C 45/70, G02B 3/00, G02C 7/02 // B29K 69:00, B29L 11:00**

(11) **WO 99/54112** (13) A1

(21) PCT/JP99/02094

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/111884 **22 Apr/avr 1998** JP **(22.04.1998)**

(30) 10/111885 **22 Apr/avr 1998** JP **(22.04.1998)**

(30) 10/111886 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INJECTION COMPRESSION MOLDING METHOD FOR OPTICALLY FORMED PRODUCT
• PROCEDE DE MOULAGE PAR INJECTION–COMPRESSION DESTINE A UN PRODUIT OPTIQUEMENT FORME

(71) **TEIJIN CHEMICALS, LTD.** [JP/JP]; 2–2, Uchisaiwaicho 1–chome, Chiyoda–ku, Tokyo 100–0011 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOTOH, Kiyohito** [JP/JP]; Teijin Chemicals, Ltd., 2–2, Uchisaiwaicho 1–chome, Chiyoda–ku, Tokyo 100–0011 (JP). **ICHIOKA, Hiromi** [JP/JP]; Teijin Chemicals, Ltd., 2–2, Uchisaiwaicho 1–chome, Chiyoda–ku, Tokyo 100–0011 (JP).

(74) **OHSHIMA, Masataka**; Ohshima Patent Office, Fukuya Building, 3, Yotsuya 4–chome, Shinjuku–ku, Tokyo 160–0004 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

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(51)[6] **B29C 49/06**

(11) **WO 99/54113** (13) A1

(21) PCT/US99/08688

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,617 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR INJECTION BLOW MOLDING AN AUTOMOTIVE COMPONENT
• PROCEDE ET DISPOSITIF DE MOULAGE PAR INJECTION–SOUFFLAGE D'UN COMPOSANT AUTOMOBILE

(63) US 60/082,617 (CON) 22 Apr/avr 1998 (22.04.1998)

(71) **CONIX CORPORATION** [US/US]; Suite 1070, 16800 Executive Plaza Drive, Dearborn, MI 48126–6201 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PORTER, Marshall, Ray** [US/US]; 21073 State Route 127, Nashville, IL 62263 (US).

(74) **BANNER & WITCOFF, LTD.**; 13th floor, 10 S. Wacker Drive, Chicago, IL 60606 (US).

(81) BR CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B29C 65/12, 47/86, 47/30**

(11) **WO 99/54114** (13) A1

(21) PCT/EP99/02649

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98201171.0 **16 Apr/avr 1998** EP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR MAKING A WELD RUN FOR FLOOR COVERING AND RESULTING WELD RUN
• PROCEDE DE FABRICATION D'UN CORDON DE SOUDURE POUR REVETEMENTS DE SOLS ET CORDON DE SOUDURE OBTENU

(71) **SOMMER REVETEMENTS FRANCE S.A.** [FR/FR]; 2, rue de l'Egalité, F–92748 Nanterre Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MALLEN, Jean** [FR/FR]; Le Bois d'Aval, F–38150 Chanas (FR).

(74) **VAN MALDEREN, Michel** et al. / etc.; Office van Malderen, Boulevard de la Sauvenière 85/043, B–4000 Liège (BE).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B29C 65/14 // B29L 23:00**

(11) **WO 99/54115** (13) A1

(21) PCT/ZA99/00022

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 98/3364 **22 Apr/avr 1998** ZA **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR JOINING PLASTIC MEMBERS TOGETHER
• PROCEDE SERVANT A JOINDRE DES ELEMENTS EN PLASTIQUE ENTRE EUX

(71, 72) **BURGER, Nicolaas, Daniel, Lombard** [ZA/ZA]; 513 General Louis Botha Avenue, Constantia Park, Pretoria 0010 (ZA). **OTTERMANN, Rudolf, Werner** [ZA/ZA]; Wolfshoehle, Oorzaak, Rustenburg 0299 (ZA). **VAN ZYL, Petrus, Johannes, Adriaan** [ZA/ZA]; 5 Silber Court, 72 Jonhston Street, Sunnyside, Pretoria 0002 (ZA). **VON WIELLIGH, Adam, Jacobus** [ZA/ZA]; Portion 133, De Kroon, Brits 0250 (ZA).

(74) **DUNLOP, Alan, J., S.** et al. / etc.; Hahn & Hahn Inc., 222 Richard Street, Hatfield, Pretoria 0083 (ZA).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B29C 65/78, G11B 7/26, B32B 31/12**

(11) **WO 99/54116** (13) A1

(21) PCT/US98/18656

(22) **4 Sep/sep 1998 (04.09.1998)**

(25) en (26) en

(30) 09/065,295 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR ASSEMBLING AN OPTICAL RECORDING MEDIUM
• PROCEDE ET APPAREIL D'ASSEMBLAGE D'UN SUPPORT D'ENREGISTREMENT OPTIQUE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **KUHN, Gary, K.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **PERECMAN, Jack, L.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **ROMBERG, Gary, L.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **BANGEN, Kevin, J.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **BENNETT, Richard, E.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **TRUSSELL, James, J.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B29C 73/04, 73/32**

(11) **WO 99/54117** (13) A1

(21) PCT/FR99/00905

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/05052 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR OBTAINING, REPAIRING AND RECONSTRUCTING AN OBJECT, WITH A COMPOSITE PART OR MATERIAL
• PROCEDE D'OBTENTION, REPARATION OU RECONSTRUCTION D'UN OBJET, AVEC UNE PIECE OU MATERIAU COMPOSITE

(71) **SUNKISS AERONAUTIQUE** [FR/FR]; 10, boulevard des Monts d'Or, F–69580 Sathonay–Camp (FR).

(72) **CHARMES, Michel**; Coteaux Saint Didier, 4, rue Eugène Collonges, F–69370 Saint Didier au Mont d'Or (FR). **COMOGLIO, Bruno**; 2, Le Plein Soleil, F–01600 Reyrieux (FR).

(74) **CABINET GERMAIN ET MAUREAU**; Boîte postale 6153, F–69466 Lyon Cedex 06 (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B29D 11/00**

(11) **WO 99/54118** (13) A1

(21) PCT/IT99/00090

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) it (26) en

(30) RM98A000241 **17 Apr/avr 1998** IT **(17.04.1998)**

(30) RM98A000525 **5 Aug/août 1998** IT **(05.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PLANT AND PROCESS FOR AUTOMATICALLY GLUING POLARISING LENSES
• SYSTEME ET PROCEDE DE COLLAGE AUTOMATIQUE DE LENTILLES DE POLARISATION

(71) **BARBERINI S.P.A.** [IT/IT]; Via Statale Sud, 92, I–64029 Silvi (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VETRINI, Gianni** [IT/IT]; Barberini S.p.A., Via Statale Sud, 92, I–64029 Silvi (IT).

(74) **BANCHETTI, Marina** et al. / etc.; Ing. Barzano' & Zanardo Roma S.p.A., Via Piemonte, 26, I–00187 Roma (IT).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B29D 22/00, D02G 3/00, C08G 63/66**

(11) **WO 99/54119** (13) A1

(21) PCT/US99/06535

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/064,720 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ISOSORBIDE CONTAINING POLYESTERS AND METHODS FOR MAKING SAME
• POLYESTERS CONTENANT DE L'ISOSORBIDE ET PROCEDES DE FABRICATION ASSOCIES

(71) **HNA HOLDINGS, INC.** [US/US]; 30 Independence Boulevard, Warren, NJ 07059 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KHANARIAN, Garo** [US/US]; 141 Cornell Avenue, Berkeley Heights, NJ 07922 (US). **CHARBONNEAU, Larry, F.** [US/US]; 64 Mountainside Road, Mendham, NJ 07945 (US). **WITTELER, Helmut, B.** [DE/DE]; Birkenstrasse 9, D–67259 Beindersheim (DE). **JOHNSON, Robert, E.** [US/US]; 808 Willow Avenue #2R, Hoboken, NJ 07030 (US).

(74) **DUFFETT, Benton, S., Jr.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

(51)[6] **B29D 22/00, B32B 7/12, 27/08**

(11) **WO 99/54120** (13) A1

(21) PCT/US99/08822

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/064,273 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EVA–EVOH DELAMINATION SEAL
• SCELLAGE DE DELAMINATION EN EVA–EVOH

(71) **AMERICAN NATIONAL CAN COMPANY** [US/US]; 8770 West Bryn Mawr Avenue, Chicago, IL 60631 (US).

(72) **BUELOW, Duane, H.**; 1213 Symphony Boulevard, Neenah, WI 54956 (US).

(74) **DUNCAN, Margaret, M.**; McDermott, Will & Emery, 227 West Monroe Street, Chicago, IL 60606 (US).

(81) AU CA JP NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B29D 30/02, B29C 39/08 // B29K 75:00, 105:04**

(11) **WO 99/54121** (13) A1

(21) PCT/US99/08651

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,819 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTI–SHOT PROCESS OF PRODUCING A NON–PNEUMATIC TIRE
• PROCEDE POUR PRODUIRE UN PNEU NON PNEUMATIQUE EN PLUSIEURS ETAPES

(71, 72) **FLEMING, Roger** [US/US]; 3865 Silverwood Drive, Stow, OH 44262 (US).

(74) **EMERSON, Roger, D.**; Emerson & Associates, 4421 Ranchwood Spur, Akron, OH 44303–1343 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B30B 7/04, B21D 39/04, B30B 1/40**

(11) **WO 99/54122** (13) A1

(21) PCT/EP99/00959

(22) **13 Feb/fév 1999 (13.02.1999)**

(25) de (26) de

(30) 198 17 882.4 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RADIAL PRESS
• PRESSE RADIALE

(71) **UNIFLEX–HYDRAULIK GMBH** [DE/DE]; Robert–Bosch–Strasse 50–53, D–61184 Karben (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ERTL, Fritz** [DE/DE]; Am Wolfsloch 25, D–61381 Friedrichsdorf (DE). **GRUNDMEIER, Georg** [DE/DE]; Lärchenweg 10, D–61184 Karben (DE).

(74) **GRÄTTINGER, Günter** et al. / etc.; Grättinger & Partner (GbR), Postfach 16 55, D–82306 Starnberg 1 (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B30B 15/16, 1/32**

(11) **WO 99/54123** (13) A1

(21) PCT/EP99/02301

(22) **3 Apr/avr 1999 (03.04.1999)**

(25) de (26) de

(30) 198 15 428.3 **7 Apr/avr 1998** DE **(07.04.1998)**

(30) 198 22 436.2 **19 May/mai 1998** DE **(19.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR OPERATING A HYDRAULIC PRESS
• PROCEDE DE FONCTIONNEMENT D'UNE PRESSE HYDRAULIQUE

(71) **MANNESMANN REXROTH AG** [DE/DE]; Jahnstrasse 3–5, D–97816 Lohr (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRECKNER, Manfred** [DE/DE]; Fliederweg 4, D–97816 Lohr (DE).

(74) **MANNESMANN REXROTH AG**; Jahnstrasse 3–5, D–97816 Lohr (DE).

(81) IN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B31B 1/84**

(11) **WO 99/54124** (13) A1

(21) PCT/US99/07380

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,312 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OFFSET ROTARY ANVILS FOR APPLYING FITMENTS TO A CARTON
• ENCLUMES ROTATIVES DE DECALAGE POUR APPLIQUER DES CLOISONS A UN CARTON

(71) **TETRA LAVAL HOLDINGS & FINANCE S.A.** [CH/CH]; Avenue Général–Guisan 70, CH–1009 Pully (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KRUEGER, David** [US/US]; 24412 McClain Road, Grantsburg, WI 54840 (US).

(74) **WEINSTEIN, Mitchell, J.**; Welsh & Katz, Ltd., 22nd floor, 120 S. Riverside Plaza, Chicago, IL 60606 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B32B**

(11) **WO 99/54125** (13) A2

(21) PCT/US99/04579

(22) **3 Mar/mar 1999 (03.03.1999)**

(25) en (26) en

(30) 09/063,140 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR FABRICATION OF COMPOSITE AND ARBITRARY THREE DIMENSIONAL OBJECTS
• PROCEDE ET APPAREIL POUR LA FABRICATION D'OBJETS COMPOSITES ET TRIDIMENSIONNELS ARBITRAIRES

(71, 72) **BOSTANI, Arman** [US/US]; 10515 Tennessee Avenue, Los Angeles, CA 90064 (US).

(74) **FARJAMI, Michael**; Suite 700, 1875 Century Park East, Los Angeles, CA 90067 (US).

(81) DE JP.

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(51)[6] **B32B 1/08, F16L 9/02, B23K 33/00**

(11) **WO 99/54126** (13) A1

(21) PCT/US99/08411

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,888 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BIAS LONGITUDINAL WELD
• SOUDURE LONGITUDINALE OBLIQUE

(71, 72) **STAGG, Robert, E.** [US/US]; 5707 Stone Creek Drive, Magnolia, TX 77354 (US).

(74) **HARRISON, Al**; Harrison & Egbert, Suite 100, 1018 Preston Street, Houston, TX 77002 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B32B 3/00**

(11) **WO 99/54127** (13) A1

(21) PCT/US98/12161

(22) **9 Jun/juin 1998 (09.06.1998)**

(25) en (26) en

(30) 09/063,312 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USE AND MANUFACTURING APPLICATIONS OF POLYMER/DYE–BASED THIN LAYER COATINGS FOR ENHANCEMENT OF THE QUALITY OF RECORDING ON AND READOUT FROM THE OPTICAL STORAGE MEDIA
• UTILISATION ET APPLICATIONS DE PRODUCTION DE REVETEMENTS EN COUCHES MINCES A BASE DE POLYMERE/COLORANT POUR L'AMELIORATION DE LA QUALITE D'ENREGISTREMENT ET D'EXTRACTION SUR SUPPORTS DE STOCKAGE OPTIQUES

(71, 72) **BERNSTAM, Victor, A.** [US/US]; 3428 Woodland Road, Ann Arbor, MI 48104 (US).

(81) CA CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B32B 3/00, H01L 9/00**

(11) **WO 99/54128** (13) A1

(21) PCT/US99/08564

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,174 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEMORY ELEMENT WITH MEMORY MATERIAL COMPRISING PHASE–CHANGE MATERIAL AND DIELECTRIC MATERIAL
• ELEMENT MEMOIRE DOTE D'UNE MEMOIRE COMPRENANT UN MATERIAU A CHANGEMENT DE PHASE ET UN MATERIAU DIELECTRIQUE

(71) **ENERGY CONVERSION DEVICES, INC.** [US/US]; 1675 West Maple Road, Troy, MI 48084 (US).

(72) **OVSHINSKY, Stanford, R.**; 2700 Squirrel Road, Bloomfield Hills, MI 48013 (US). **CZUBATYJ, Wolodymyr**; 2426 Walter, Warren, MI 48092 (US). **STRAND, David, A.**; 5611 Prior Lane, Bloomfield Hills, MI 48301 (US). **KLERSY, Patrick, J.**; 766 Camilla, Lake Orion, MI 48360 (US). **KOSTYLEV, Sergey**; 1208 Lenox, Bloomfield Hills, MI 48304 (US). **PASHMAKOV, Boil**; 2133 Jarman, Troy, MI 48098 (US).

(74) **SCHLAZER, Philip, H.** et al. / etc.; Energy Conversion Devices, Inc., 1675 West Maple Road, Troy, MI 48084 (US).

(81) AU BR CA FI JP KR MX NO RU SG UA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B32B 7/02, C08G 63/66**

(11) **WO 99/54129** (13) A1

(21) PCT/US99/06534

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/064,862 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SHEETS FORMED FROM POLYESTERS INCLUDING ISOSORBIDE
• FEUILLES CONSTITUEES DE POLYESTERS CONTENANT DE L'ISOSORBIDE

(71) **HNA HOLDINGS, INC.** [US/US]; 30 Independence Boulevard, Warren, NJ 07059 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KHANARIAN, Garo** [US/US]; 141 Cornell Avenue, Berkeley Heights, NJ 07922 (US). **CHARBONNEAU, Larry, F.** [US/US]; 64 Mountainside Road, Mendham, NJ 07945 (US). **WITTELER, Helmut, B.** [DE/DE]; Birkenstrasse 9, D–67259 Beindersheim (DE). **JOHNSON, Robert, E.** [US/US]; 808 Willow Avenue #2R, Hoboken, NJ 07030 (US). **LEE, Russell, G.** [US/US]; Apartment 3, 34 Wiggins Street, Princeton, NJ 08540 (US). **SANDOR, Robert, B.** [US/US]; 11 Harrison Court, South Orange, NJ 07079 (US). **NELSON, Gregory, V.** [US/US]; 28 Guinea Hollow Road, Lebanon, NJ 08833 (US).

(74) **DUFFETT, Benton, S., Jr.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B32B 7/12, 31/12, 3/10, 3/00, 5/18**

(11) **WO 99/54130** (13) A1

(21) PCT/US99/08632

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,017 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DECORATIVE NON–SLIP LINER OR MAT
• REVETEMENT OU MAT ANTIDERAPANT DECORATIF

(71) **KITTRICH CORPORATION** [US/US]; 14555 Alondra Boulevard, La Mirada, CA 90638 (US).

(72) **CALKINS, Mark, A.**; 4141 Via Marisol #222, Los Angeles, CA 90638 (US).

(74) **ZAFMAN, Norman** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025–1026 (US).

(81) CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B32B 18/00, H01M 8/02, C04B 35/622**

(11) **WO 99/54131** (13) A1

(21) PCT/GB99/01060

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9807977.5 **16 Apr/avr 1998** GB **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GLASS–CERAMIC COATINGS AND SEALING ARRANGEMENTS AND THEIR USE IN FUEL–CELLS
• REVETEMENTS VITROCERAMIQUES ET ENSEMBLES D'ETANCHEITE ET LEUR UTILISATION DANS DES CELLULES ELECTROCHIMIQUES

(71) **ALSTOM UK LTD.** [GB/GB]; Mill Road, P.O. Box 70, Rugby, Warwickshire CV21 1TB (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **THOMPSON, Christopher** [GB/GB]; 19 Ashworth Street, Fenton, Stoke–on–Trent ST4 4NY (GB). **WOOD, Anthony**

[GB/GB]; 5 Vienna Way, Meir Hay, Longton, Stoke–on–Trent ST3 5YB (GB). **PYKE, Stephen** [GB/GB]; 3 Mount Crescent, Stone, Staffordshire ST15 8LR (GB).

(74) **DARGAVEL, Laurence, Peter**; Alstom UK Ltd., Mill Road, P.O. Box 70, Rugby, Warwickshire CV21 1TB (GB).

(81) AU CA NO NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B32B 25/04**

(11) **WO 99/54132** (13) A1

(21) PCT/JP99/02057

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/109622 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LAMINATE OF CROSS–LINKED NITRILE RUBBER
• STRATIFIE DE CAOUTCHOUC NITRILE RETICULE

(71) **NIPPON ZEON CO., LTD.** [JP/JP]; 6–1, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8323 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KONNO, Tsuyoshi** [JP/JP]; Research & Development Center, Nippon Zeon Co., Ltd., 2–1, Yako 1–chome, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–8507 (JP).

(74) **WADA, Yasuro**; Nippon Zeon Co., Ltd., 6–1, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8323 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B32B 27/00**

(11) **WO 99/54133** (13) A2

(21) PCT/EP99/02433

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 98107175.6 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTILAYER PACKAGING FILM AND BAG MADE THEREFROM
• FILM D'EMBALLAGE MULTICOUCHE ET SACHET FAIT DE CE FILM

(71) **CRYOVAC INC.** [US/US]; 100 Rogers Bridge Road, Duncan, SC 29334 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PALEARI, Mario** [IT/IT]; Via San Francesco, 8, I–20010 Pogliano Milanese (IT). **FORNASIERO, Tito** [IT/IT]; Via Verga, 8, I–20017 Rho (IT).

(74) **DE CARLI, Elda**; Cryovac S.p.A., Via Trento, 7, I–20017 Passirana di Rho (IT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B32B 27/12, D04H 13/00, B32B 31/00, A61F 13/15**

(11) **WO 99/54134** (13) A1

(21) PCT/US99/08683

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,514 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BREATHABLE COMPOSITE AND METHODS THEREFOR
• COMPOSITE IMPER–RESPIRANT ET PROCEDE ASSOCIE

(71) **BP AMOCO CORPORATION** [US/US]; Law Dept., Mail Code 1907A, 200 E. Randolph Drive, P.O. Box 87703, Chicago, IL 60680–0703 (US).

(72) **GARDNER, Hugh, C.**; 2754 Long Lake Drive, Roswell, GA 30075 (US). **MUMM, Jeffrey, H.**; 321 Strawberry Wynde, Marietta, GA 30064 (US). **LUI, Kam, C.**; 4358 Mikandy Drive, Kennesaw, GA 30144 (US).

(74) **HENSLEY, Stephen, L.**; BP Amoco Corporation, Law Dept., Mail Code 1907A, P.O. Box 87703, Chicago, IL 60680–0703 (US).

(81) CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B32B 29/06, B44C 5/04**

(11) **WO 99/54135** (13) A1

(21) PCT/ES99/00104

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) es (26) es

(30) P 9800846 **22 Apr/avr 1998** ES **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH PRESSURE LAMINATED MATERIAL FOR FLOORS
• MATERIAU STRATIFIE HAUTE PRESSION POUR SOLS

(71) **AISMALIBAR, S.A.** [ES/ES]; Carretera de Ripollet, 1, E–08100 Montcada i Reixac (ES).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BALSELLS COCA, Felipe** [ES/ES]; Calle Alt de Pedrell, 47–49, E–08032 Barcelona (ES). **FONT CISTERO, Josep Mª** [ES/ES]; Paseo de San Gervasio, 58, E–08023 Barcelona (ES).

(74) **PONTI SALES, Adelaida** et al. / etc.; Calle Consell de Cent, 322, E–08007 Barcelona (ES).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B32B 31/14, 31/18, G01D 18/00, 21/00**

(11) **WO 99/54136** (13) A1

(21) PCT/US99/08132

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/062,206 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR SELECTING A SUBSTRATE INTENDED FOR USE IN A CUTTING OPERATION
• PROCEDE PERMETTANT DE SELECTIONNER UN SUBSTRAT CONÇU POUR ETRE UTILISE DANS UNE OPERATION DE COUPE

(71) **AVERY DENNISON CORPORATION** [US/US]; 15 North Orange Grove Boulevard, Pasadena, CA 91103 (US).

(72) **CHANG, Eng–Pi**; 1420 San Carlos Road, Arcadia, CA 91006 (US). **WANG, Yao–Feng**; 21247 Chirping Sparrow Road, Diamond Bar, CA 91765 (US).

(74) **DuCHEZ, Neil, A.**; Renner, Otto, Boisselle & Sklar, P.L.L., 19th floor, 1621 Euclid Avenue, Cleveland, OH 44115 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B41C 1/10, B41N 1/14, B41M 1/06**

(11) **WO 99/54137** (13) A1

(21) PCT/JP99/01966

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) ja (26) ja

(30) 10/112222 **22 Apr/avr 1998** JP **(22.04.1998)**

(30) 10/112229 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMAGE FORMING DEVICE, IMAGE FORMING METHOD, PLATE MAKING METHOD, AND METHOD FOR

FORMING SELF–COAGULATING MONOMOLECULAR FILM

- DISPOSITIF DE FORMATION D'IMAGES, PROCEDE DE FORMATION D'IMAGES, PROCEDE DE FABRICATION DE PLAQUES, ET PROCEDE DE FORMATION D'UNE PELLICULE MONOMOLECULAIRE AUTOCOAGULANTE

(71) **STAR MICRONICS CO., LTD.** [JP/JP]; 20–10, Nakayoshida, Shizuoka–shi, Shizuoka 422–8654 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SASAKURA, Kouichi** [JP/JP]; Star Micronics Co., Ltd., 20–10, Nakayoshida, Shizuoka–shi, Shizuoka 422–8654 (JP).

(74) **HASEGAWA, Yoshiki** et al. / etc.; Soei Patent and Law Firm, Kyobashi National Building, 6th floor, 13–10, Kyobashi 2–chome, Chuo–ku, Tokyo 104–0031 (JP).

(81) CA CN IL KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B41F 15/08, 13/004**

(11) **WO 99/54138** (13) A1

(21) PCT/EP99/03009

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) MI98A000854 **22 Apr/avr 1998** IT **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- PRINTING UNIT WITH SYNCHRONISED CONTROL FOR ROTARY OR FLAT SILK–SCREEN PRINTING MACHINES
- UNITE D'IMPRESSION A COMMANDE SYNCHRONISEE POUR MACHINES DE SERIGRAPHIE SUR ROTATIVE OU A PLAT

(71) **ALTAIR S.R.L.** [IT/IT]; Largo Giardino, 7, I–21052 Busto Arsizio (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NISOLI, Fabio** [IT/IT]; Via S. Bernardino, 40, I–24019 Zogno (IT).

(74) **DE GREGORI, Antonella** et al. / etc.; Ing. Barzanò & Zanardo Milano S.p.A., Via Borgonuovo, 10, I–20121 Milan (IT).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B41J**

(11) **WO 99/54139** (13) A2

(21) PCT/IL99/00209

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 124182 **23 Apr/avr 1998** IL **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- METHOD OF OPERATING COMPUTERIZED PRINTER HEADS
- PROCEDE D'EXPLOITATION DE TETES D'IMPRIMANTE INFORMATISEES

(71) **SCITEX WIDE FORMAT PRINTING LTD.** [IL/IL]; Elyahu Eitan 38, 75150 Rishon Lezion (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUCHOVNE, Yoram** [IL/IL]; 44810 Sha'aray Tikva (IL).

(74) **FRIEDMAN, Mark, M.**; Beit Samueloff, Haomanim Street 7, 67897 Tel Aviv (IL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B41J 2/14, B05B 17/06**

(11) **WO 99/54140** (13) A1

(21) PCT/GB99/01164

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808182.1 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- LIQUID PROJECTION APPARATUS
- APPAREIL DE PROJECTION DE LIQUIDES

(71) **THE TECHNOLOGY PARTNERSHIP PLC** [GB/GB]; Melbourn Science Park, Melbourn, Royston, Hertfordshire SG8 6EE (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARNOTT, Michael, George** [GB/GB]; 44 High Street, Somersham Road, Cambridgeshire PE17 3JB (GB). **JOHNSON, Simon, Roger** [GB/GB]; Flat 4, 16 Newton Road, Cambridge, Cambridgeshire CB2 2AL (GB). **HUMBERSTONE, Victor, Carey** [GB/GB]; 22 Greenfield Close, Stapleford, Cambridgeshire CB2 5BT (GB). **JANSE VAN RENSBURG, Richard, Wilhelm** [GB/GB]; 16 Colesfield, Longstanton, Cambridgeshire CB4 5BW (GB).

(74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B41J 3/407**

(11) **WO 99/54141** (13) A1

(21) PCT/US99/08254

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/062,300 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- RADIAL PRINTING SYSTEM AND METHODS
- SYSTEME ET PROCEDES D'IMPRESSION RADIALE

(71) **ELESYS, INC.** [US/US]; Suite 8, 568 Weddell Drive, Sunnyvale, CA 94089 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRADSHAW, George, Lynn** [US/US]; 255 Campesino Avenue, Palo Alto, CA 94306 (US). **COVERT, Markus, Willard** [US/US]; 786 Moreno Avenue, Palo Alto, CA 94303 (US). **JONES, Randy, Quinn** [US/US]; 1546 Orillia Court, Sunnyvale, CA 94087 (US). **SORENSEN, Michael, Keith** [US/US]; 1266 Shelby Creek Lane, San Jose, CA 95120 (US). **UNTER, Jan, Eugene** [US/US]; 6793 Crystal Springs Court, San Jose, CA 95120 (US).

(74) **OLYNICK, Mary, R.**; Beyer & Weaver, LLP, 620 Hansen Way, Palo Alto, CA 94304 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B41J 29/393, 2/07**

(11) **WO 99/54142** (13) A1

(21) PCT/NL99/00226

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) nl (26) en

(30) 1008973 **23 Apr/avr 1998** NL **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR MONITORING AND/OR CORRECTING THE ALIGNMENT OF AN INK–JET PRINTER
• METHODE ET DISPOSITIF PERMETTANT DE CONTROLER ET/OU DE RECTIFIER L'ALIGNEMENT D'UNE IMPRIMANTE A JET D'ENCRE

(71) **STORK DIGITAL IMAGING B.V.** [NL/NL]; Handelstraat 6, NL–5831 AV Boxmeer (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NOUWENS, Henricus, Johannes, Petrus** [NL/NL]; 't Grind 14, NL–6581 HG Malden (NL). **MANDERS, Martinus, Gerardus, Jozef** [NL/NL]; Putter 10, NL–5831 MJ Boxmeer (NL). **VAN DE KAMP, Gerardus, Johannes, Theodorus, Franciscus** [NL/NL]; Vincent van Goghstraat 20, NL–5461 GM Veghel (NL). **VAN KEMPEN, Robertus, Jacobus, Theodorus** [NL/NL]; Wezelstraat 27, NL–5408 XX Volkel (NL). **NELISSEN, Paulus, Johannes, Hendrikus, Maria** [NL/NL]; Pavanestraat 45, NL–5802 LK Venray (NL). **GIESBERS, Johannes, Marinus, Maria** [NL/NL]; Maasweg 39, NL–6591 BM Gennep (NL).

(74) **BEITSMA, G., R.**; Exter Polak & Charlouis B.V., P.O. Box 3241, NL–2280 GE Rijswijk (NL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B41M 1/26, 5/00, D21H 17/72, 19/44, 21/16**

(11) **WO 99/54143** (13) A1

(21) PCT/US99/08868

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,697 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/282,536 **31 Mar/mar 1999** US **(31.03.1999)**

(30) 09/282,538 **31 Mar/mar 1999** US **(31.03.1999)**

(30) 09/282,754 **31 Mar/mar 1999** US **(31.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TREATMENT OF SUBSTRATES TO ENHANCE THE QUALITY OF PRINTED IMAGES THEREON WITH A MIXTURE OF A POLYACID AND POLYBASE
• TRAITEMENT DE SUBSTRATS D'IMPRESSION PERMETTANT D'AMELIORER LA QUALITE DES IMAGES IMPRIMEES ET CONTENANT UN MELANGE COMPOSE D'UN POLYACIDE ET D'UNE POLYBASE

(71) **SRI INTERNATIONAL** [US/US]; 333 Ravenswood Avenue, Menlo Park, CA 94025 (US).

(72) **NIGAM, Asutosh**; 4506 Amiens Avenue, Fremont, CA 94555 (US).

(74) **REED, Dianne, E.**; Reed & Associates, 3282 Alpine Road, Portola Valley, CA 94028 (US) et al. / etc.

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B41M 1/26, 5/00, D21H 17/54, 19/62, 21/16, C08L 79/00, C08G 73/00**

(11) **WO 99/54144** (13) A1

(21) PCT/US99/08911

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,697 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/282,595 **31 Mar/mar 1999** US **(31.03.1999)**

(30) 09/282,537 **31 Mar/mar 1999** US **(31.03.1999)**

(30) 09/282,542 **31 Mar/mar 1999** US **(31.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TREATMENT OF SUBSTRATES TO ENHANCE THE QUALITY OF PRINTED IMAGES THEREON USING AZETIDINIUM AND/OR GUANIDINE POLYMERS
• TRAITEMENT DE SUBSTRATS SERVANT A AMELIORER LA QUALITE D'IMAGES IMPRIMEES AU MOYEN DE POLYMERES D'AZETIDINIUM ET/OU DE GUANIDINE

(71) **SRI INTERNATIONAL** [US/US]; 333 Ravenswood Avenue, Menlo Park, CA 94025 (US).

(72) **NIGAM, Asutosh**; 4506 Amiens Avenue, Fremont, CA 94555 (US).

(74) **REED, Dianne, E.**; Reed & Associates, 3282 Alpine Road, Portola Valley, CA 94028 (US) et al. / etc.

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B41M 5/00**

(11) **WO 99/54145** (13) A1

(21) PCT/JP99/01938

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) ja (26) ja

(30) 10/110906 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INK JET RECORDING PAPER
• PAPIER REGISTRE POUR JET D'ENCRE

(71) **MITSUBISHI PAPER MILLS LIMITED** [JP/JP]; 4–2, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIBINO, Yoshihiko** [JP/JP]; Mitsubishi Paper Mills Limited 4–2, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP). **IDEI, Koji** [JP/JP]; Mitsubishi Paper Mills Limited 4–2, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).

(74) **ASAMURA, Kiyoshi** et al. / etc.; New Ohtemachi Building, Room 331 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).

(81) AU CN ID KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B41M 5/38**

(11) **WO 99/54146** (13) A1

(21) PCT/JP99/02039

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/107943 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHOTOGRAPHIC PAPER
• PAPIER PHOTOGRAPHIQUE

(71) **SONY CORPORATION** [JP/JP]; 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **HIDA, Masanobu** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **SHINOHARA, Satoru** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(72, 75) **HORII, Akihiro** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **KONNO, Akihiko** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(74) **KOIKE, Akira** et al. / etc.; No.11 Mori Building, 6–4, Toranomon 2–chome, Minato–ku, Tokyo 105–0001 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B42D 1/00, 19/00, 3/00, G09B 29/00, B42F 21/00, G09F 15/00, B29C 65/00,**

B23B 31/00, B32B 31/00, 7/14, B23K 37/00

(11) **WO 99/54147** (13) A1

(21) PCT/US99/08493

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,416 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BOOKLET
• LIVRET

(71) **WILLIAM EXLINE, INC.** [US/US]; 12301 Bennington Avenue, Cleveland, OH 44135 (US).

(72) **EXLINE, William, B.**; 478 Laurelbrook Drive, Chagrin Falls, OH 44022 (US).

(74) **RHODES, C., Robert**; Rhodes, Coats & Bennett, L.L.P., P.O. Box 2974, Greensboro, NC 27402 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B42D 15/00**

(11) **WO 99/54148** (13) A1

(21) PCT/US99/06820

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 09/064,993 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FILM FOR MULTILAYER SECURITY DOCUMENT LAMINATION
• FILM MULTICOUCHE POUR DOCUMENTS DE SECURITE

(71) **MOBIL OIL CORPORATION** [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).

(72) **BENOIT, Gordon, Leon**; 49 Latchmere Drive, Victor, NY 14564 (US).

(74) **CUOMO, Lori, F.** et al. / etc.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).

(81) AU BR CA CN ID JP KR SG VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B42F**

(11) **WO 99/54149** (13) A2

(21) PCT/KR99/00168

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 1998/14290 **22 Apr/avr 1998** KR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DOCUMENT FILE HAVING PUNCHING FUNCTION
• CLASSEUR DE DOCUMENTS POSSEDANT UNE FONCTION DE PERFORATION

(71, 72) **HWANG, Suk–Hyun** [KR/KR]; 1302, Dong–Yang Dexbil Apartment, Kwonsun–dong, Kwonsun–gu, Suwon–shi, Kyungki–do 441–390 (KR).

(74) **HONG, Byung–Eui**; Shinbong Building, Room 1004, 736–6, Yoksam–dong, Kangnam–ku, Seoul 135–080 (KR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B43K 19/14**

(11) **WO 99/54150** (13) A1

(21) PCT/JP99/01975

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) ja (26) ja

(30) 10/122845 **16 Apr/avr 1998** JP **(16.04.1998)**

(30) 10/205854 **6 Jul/juil 1998** JP **(06.07.1998)**

(30) 10/260877 **31 Aug/août 1998** JP **(31.08.1998)**

(30) 10/292877 **30 Sep/sep 1998** JP **(30.09.1998)**

(30) 10/324513 **29 Oct/oct 1998** JP **(29.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTAINER FOR LEAD REFILL
• RECIPIENT DE RECHARGE EN PLOMB

(71) **PENTEL KABUSHIKI KAISHA** [JP/JP]; 7–2, Nihonbashi Koami–cho, Chuo–ku, Tokyo 103–8538 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OKA, Shigeo** [JP/JP]; Pentel Kabushiki Kaisha, 7–2, Nihonbashi Koami–cho, Chuo–ku, Tokyo 103–8538 (JP). **TAKAHASHI, Kazunari** [JP/JP]; Pentel Kabushiki Kaisha, 7–2, Nihonbashi Koami–cho, Chuo–ku, Tokyo 103–8538 (JP).

(74) **OMATA, Yukio**; Nakagin–Shiroyama Building, 4th floor, 16–13, Ginza 8–chome, Chuo–ku, Tokyo 104–0061 (JP).

(81) KR US.

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(51)[6] **B43L 19/00, A45D 40/26**

(11) **WO 99/54151** (13) A1

(21) PCT/US99/08610

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/065,008 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPLICATOR FOR CORRECTION FLUID
• APPLICATEUR DE FLUIDES CORRECTEURS

(71) **THE GILLETTE COMPANY** [US/US]; Prudential Tower Building, Boston, MA 02199 (US).

(72) **PANDA, Aparajit**; 2504 Windsor Ledge Drive, Westborough, MA 01581 (US).

(74) **GALLOWAY, Peter, D.**; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (US) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B60B 17/00**

(11) **WO 99/54152** (13) A1

(21) PCT/NL99/00231

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 1008966 **22 Apr/avr 1998** NL **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RAILWAY VEHICLE WHEEL WITH IMPROVED DAMPING CHARACTERISTICS
• ROUE DE VEHICULE FERROVIAIRE A CARACTERISTIQUES D'AMORTISSEMENT AMELIOREES

(71) **SKF ENGINEERING & RESEARCH CENTRE B.V.** [NL/NL]; P.O. Box 2350, NL–3430 DT Nieuwegein (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IOANNIDES, Eustathios** [NL/NL]; Montessorilaan 9, NL–3706 TB Zeist (NL). **WITTMEYER, Henning, Hans** [NL/NL]; Albertus Perkstraat 101, NL–1217 NP Hilversum (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL–2502 LS The Hague (NL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B60C**

(11) **WO 99/54153** (13) A2

(21) PCT/US99/08596

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,106 **17 Apr/avr 1998** US **(17.04.1998)**

(30) Not furnished / non communiqué **16 Apr/avr 1999** US **(16.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRACTION ENHANCING DEPLOYMENT SYSTEM
• SYSTEME DISTRIBUTEUR D'AGENTS RENFORÇATEURS D'ADHERENCE

(71) **SPRAGUE CONTROLS, INC.** [US/US]; 1140 N.W. 3rd Avenue, Canby, OR 97013 (US).

(72) **MANN, Wayne, L.**; Sprague Controls, Inc., 1140 N.W. 3rd Avenue, Canby, OR 97013 (US). **PARTLOW, Dennis, R.**; Sprague Controls, Inc., 1140 N.W. 3rd Avenue, Canby, OR 97013 (US).

(74) **WALTERS, James, H.**; Dellett and Walters, Suite 1101, 310 S.W. Fourth Avenue, Portland, OR 97204 (US).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B60C 5/22, 17/01**

(11) **WO 99/54154** (13) A1

(21) PCT/IT99/00099

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) IM98A000002 **23 Apr/avr 1998** IT **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TYRE WITH BEARING INSIDE STRUCTURE AND DIFFERENTIATED INNER TUBES
• PNEU MUNI D'UNE STRUCTURE PORTEUSE INTERNE ET DE CHAMBRES A AIR INTERNES DIFFERENCIEES

(71, 72) **BARONE, Natale** [IT/MC]; 46, boulevard des Moulins, MC–Monte–Carlo (MC).

(81) AT AU BR CA CH CN CU CZ DE DK ES FI GB IL IN JP KR LU MX NO NZ PL PT RO RU SE SG US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60G 3/02, 7/02**

(11) **WO 99/54155** (13) A1

(21) PCT/EP99/02189

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) de (26) de

(30) 198 16 804.7 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INDIVIDUAL WHEEL SUSPENSION IN THE FORM OF A SEMI–TRAILING ARM WITH A WHEEL GUIDING A–ARM AND A BAR–SHAPED STRUT
• SUSPENSION INDIVIDUELLE POUR ROUE SOUS FORME DE BRAS OBLIQUE COMPRENANT UN BRAS TRIANGULAIRE GUIDANT LA ROUE ET UN BRAS RECTILIGNE

(71) **DAIMLERCHRYSLER AG** [DE/DE]; Epplestrasse 225, D–70567 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EMMANN, Siegfried** [DE/DE]; Merzelweg 7/1, D–71384 Weinstadt (DE). **HERRMANN, Roland** [DE/DE]; Neckartenzlingerstrasse 29, D–72657 Altenriet (DE). **MOSLER, Christian** [DE/DE]; Teichhuhnstrasse 6, D–70378 Stuttgart (DE).

(74) **DAHMEN, Toni**; DaimlerChrysler AG, Intellectual Property Management, FTP – C 106, D–70546 Stuttgart (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60G 15/12**

(11) **WO 99/54156** (13) A1

(21) PCT/EP99/01740

(22) **17 Mar/mar 1999 (17.03.1999)**

(25) de (26) de

(30) 198 16 803.9 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INDIVIDUAL WHEEL SUSPENSION WITH A WHEEL GUIDING SPRING AND SHOCK ABSORBER STRUT ARTICULATED BY MEANS OF A COMPENSATING TOP ROCKER ARM
• SUSPENSION INDIVIDUELLE DE ROUE POURVUE D'UNE JAMBE D'AMORTISSEMENT A RESSORT GUIDANT LA ROUE ET ARTICULEE PAR L'INTERMEDIAIRE D'UN BRAS OSCILLANT

(71) **DAIMLERCHRYSLER AG** [DE/DE]; Epplestrasse 225, D–70567 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EMMANN, Siegfried** [DE/DE]; Merzelweg 7/1, D–71384 Weinstadt (DE). **HÄNSSLER, Wolfgang** [DE/DE]; Öschstrasse 17, D–73092 Heiningen (DE). **MOSLER, Christian** [DE/DE]; Einsteinstrasse 13, D–70374 Stuttgart (DE). **PEDROTTI, Wolfgang** [DE/DE]; Max–Eyth–Strasse 15, D–73760 Ostfildern (DE).

(74) **WEISS, Klaus** et al. / etc.; DaimlerChrysler AG, Intellectual Property Management, FTP – C 106, D–70546 Stuttgart (DE).

(81) BR JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B60G 21/055, 9/00, F16B 2/00**

(11) **WO 99/54157** (13) A1

(21) PCT/JP99/02139

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 10/113810 **23 Apr/avr 1998** JP **(23.04.1998)**

(30) 10/266018 **21 Sep/sep 1998** JP **(21.09.1998)**

(30) 10/268847 **24 Sep/sep 1998** JP **(24.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RETAINING ARRANGEMENT FOR A ROD MEMBER
• DISPOSITIF DE FIXATION POUR BARRE

(71) **NHK SPRING CO., LTD.** [JP/JP]; 10, Fukuura 3–chome, Kanazawa–ku, Yokohama–shi, Kanagawa 236–0004 (JP). **YOKOHAMA KIKO CO., LTD.** [JP/JP]; 11–1 Fukuura 2–chome, Kanazawa–ku, Yokohama–shi, Kanagawa 236–0004 (JP). **ORIHASHI MFG. CO., LTD.** [JP/JP]; 18–4 Kitakojiya 1–chome, Ota–ku, Tokyo 144–0032 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SUGITA, Juichi** [JP/JP]; NHK Spring Co., Ltd., 10, Fukuura 3–chome, Kanazawa–ku, Yokohama–shi, Kanagawa 236–0004 (JP). **YOSHIZAWA, Toshiharu** [JP/JP]; Yokohama Kiko Co., Ltd., 11–1 Fukuura 2–chome, Kanazawa–ku, Yokohama–shi, Kanagawa 236–0004 (JP). **ORIHASHI, Junji** [JP/JP]; Orihashi Mfg. Co., Ltd., 18–4 Kitakojiya 1–chome, Ota–ku, Tokyo 144–0032 (JP).

(74) **OSHIMA, Yoichi**; Kitagawa Building, 7th floor, 6–42, Kagurazaka, Shinjuku–ku, Tokyo 162–0825 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B60L 11/02, B60K 1/04, H02G 11/02**

(11) **WO 99/54158** (13) A1

(21) PCT/SE99/00622

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 980871 **20 Apr/avr 1998** FI **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ARRANGEMENT IN AN ELECTRICALLY DRIVEN MINING VEHICLE
• AGENCEMENT D'UN VEHICULE D'EXPLOITATION MINIERE A ENTRAINEMENT ELECTRIQUE

(71) **SANDVIK AB; (publ)** [SE/SE]; S–811 81 Sandviken (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HÄKKINEN, Leo** [FI/FI]; Jenseninkatu 27 C 14, FIN–33610 Tampere (FI).

(74) **CARLSSON, Lars–Åke**; Sandvik AB, Patent Dept., S–811 81 Sandviken (SE).

(81) AU CA JP NO US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60L 11/18, H01M 8/04**

(11) **WO 99/54159** (13) A1

(21) PCT/DE99/01166

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 188.9 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR STARTING A FUEL CELL SYSTEM AND FUEL CELL SYSTEM
• PROCEDE PERMETTANT DE FAIRE DEMARRER UN DISPOSITIF A CELLULES ELECTROCHIMIQUES ET DISPOSITIF A CELLULES ELECTROCHIMIQUES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STÜHLER, Walter** [DE/DE]; Bahnhofstrasse 25 d, D–96114 Hirschaid (DE). **WEISS, Alfred** [DE/DE]; Schillerstrasse 15, D–91301 Forchheim (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60N 2/28**

(11) **WO 99/54160** (13) A1

(21) PCT/FR99/00746

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) fr (26) fr

(30) 98/05217 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INFANT'S CAR SEAT
• SIEGE AUTO POUR ENFANT

(71) **BABY RELAX (S.A.)** [FR/FR]; 77, route du Bois Belin, F–64600 Anglet (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GARACOTCHE, André** [FR/FR]; Villa Chiloka, F–64240 Hasparren (FR). **MANGÉ, Jean, Christophe** [FR/FR]; 18, avenue de Serrano, F–64200 Biarritz (FR).

(74) **DUPUIS, François** et al. / etc.; Cabinet Laurent & Charras, 3, place de l'Hôtel de Ville, Boîte postale 203, F–42005 Saint Etienne Cedex (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B60N 2/28**

(11) **WO 99/54161** (13) A1

(21) PCT/GB99/01199

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808322.3 **20 Apr/avr 1998** GB **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVEMENTS IN CAR SEATS FOR CHILDREN
• AMELIORATIONS APPORTES AUX SIEGES D'ENFANTS POUR VOITURES

(71) **TOMY UK LIMITED** [GB/GB]; Wells House, 231 High Street, Sutton, Surrey SM1 1LD (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BARKER, Derrick, John, Martin** [GB/GB]; 19 Sandels Road, Droitwich, Worcestershire WR9 8RA (GB).

(74) **BROOKES & MARTIN**; High Holborn House, 52/54 High Holborn, London WC1V 6SE (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B60N 2/44**

(11) **WO 99/54162** (13) A1

(21) PCT/EP98/08504

(22) **30 Dec/déc 1998 (30.12.1998)**

(25) de (26) de

(30) 198 17 503.5 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOTOR VEHICLE SEAT
• SIEGE DE VEHICULE AUTOMOBILE

(71) **BERTRAND FAURE SITZTECHNIK GMBH & CO. KG** [DE/DE]; Nordsehler Strasse 38, D–31655 Stadthagen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BROCKMANN, Jörg** [DE/DE]; Bahnhofstrasse 6, D–31655 Stadthagen (DE). **MÖNNICH, Thomas** [DE/DE]; Im Küsterfelde 2, D–31683 Obernkirchen (DE). **PERNER, Ralf** [DE/DE]; Amselweg 8, D–06385 Aken (DE). **SCHNEIDER, Thomas** [DE/DE]; Jetenburgerstrasse 23, D–31675 Bückeburg (DE). **VOLMAR, Katrin** [DE/DE]; Alte Ziegelei 6, D–31867 Lauenau (DE).

(74) **THIELKING, Bodo** et al. / etc.; Gadderbaumer Strasse 20, D–33602 Bielefeld (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B60N 2/44**

(11) **WO 99/54163** (13) A1

(21) PCT/IT99/00095

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) PR98A000023 **23 Apr/avr 1998** IT **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SEAT COVER FOR MOTOR CARS
• COUVRE–SIEGE

(71, 72) **CORTELLAZZI, Giovanni** [IT/IT]; Via Milano, 7, I–43052 Colorno (IT).

(74) **DALLAGLIO, Fabrizio**; Bugnion S.p.A., Via Garibaldi, 22, I–43100 Parma (IT).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B60N 2/48**

(11) **WO 99/54164** (13) A1

(21) PCT/DE99/01139

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 049.1 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FIRST AID PILLOW
• COUSSIN–TROUSSE DE SECOURS

(71, 72) **HILL, Thomas** [DE/DE]; Ardeystrasse 80, D–58452 Witten (DE).

(81) AU CA GB JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60P 3/10, B63C 3/12**

(11) **WO 99/54165** (13) A1

(21) PCT/SE99/00639

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9801385–7 **21 Apr/avr 1998** SE **(21.04.1998)**

(30) 9801386–5 **21 Apr/avr 1998** SE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BOAT WAGON
• REMORQUE A BATEAU

(71, 72) **GRANLIND, Hans, Ingmar** [SE/SE]; Skogshemsvägen 14, S–146 00 Tullinge (SE).

(74) **LINDBLOM, Erik, J.**; Flotthamn, S–150 23 Enhörna (SE).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B60Q 1/00**

(11) **WO 99/54166** (13) A1

(21) PCT/US98/24331

(22) **13 Nov/nov 1998 (13.11.1998)**

(25) en (26) en

(30) 09/061,635 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CAPACITIVE SENSOR ASSEMBLY WITH SOOT BUILD–UP INHIBITING COATING
• ENSEMBLE DETECTEUR CAPACITIF A REVETEMENT INHIBANT L'ACCUMULATION DE SUIE

(71) **KAVLICO CORPORATION** [US/US]; 14501 Los Angeles Avenue, Moorpark, CA 93021 (US).

(72) **PARK, Kyong, M.**; 3511 Indian Ridge Circle, Thousand Oaks, CA 91362 (US). **NGUYEN, Nhan**; 910 Ashland #4, Simi Valley, CA 93065 (US). **NASSAR, Marcos, A.**; 1419–1/2 North Catalina Street, Los Angeles, CA 90027 (US).

(74) **ROSE, Alan, C.** et al. / etc.; Oppenheimer Wolff & Donnelly LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

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(51)[6] **B60R 3/00**

(11) **WO 99/54167** (13) A1

(21) PCT/US99/08393

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/063,591 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AUTOMOTIVE RUNNING BOARD
• MARCHEPIED POUR VEHICULE AUTOMOBILE

(71) **AEROQUIP CORPORATION** [US/US]; 3000 Strayer Road, Maumee, OH 43537 (US).

(72) **SELLAND, Arthur, E.**; 2139 Elm Drive, Fremont, OH 43420 (US). **PFOTENHAUER, Thomas, G.**; 927 Birchard Avenue, Fremont, OH 43420 (US). **THOMPSON, Mark, L.**; 740 County Road 212, Lot 98, Fremont, OH 43420 (US).

(74) **PORCELLO, James, F., Jr.** et al. / etc.; Emch, Schaffer, Schaub & Porcello Co., P.O. Box 916, Toledo, OH 43697 (US).

(81) AU CA CN JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B60R 9/052, 9/058**

(11) **WO 99/54168** (13) A1

(21) PCT/NZ99/00048

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 330248 **22 Apr/avr 1998** NZ **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROOF RACK OR LOAD CARRIER
• GALERIE DE TOIT OU PORTE–BAGAGES

(71) **HUBCO INDUSTRIES LIMITED** [NZ/NZ]; 43–47 Vickery Road, Sockburn, Christchurch (NZ).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HUBBARD, Peter, Douglas** [NZ/NZ]; 18 Allister Avenue, Merivale, Christchurch (NZ).

(74) **HAWKINS, Michael, Howard** et al. / etc.; Baldwin Shelston Waters, NCR Building, 342 Lambton Quay, Wellington (NZ).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B60R 9/06, 9/10**

(11) **WO 99/54169** (13) A1

(21) PCT/NL99/00230

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) nl (26) en

(30) 1008962 **22 Apr/avr 1998** NL **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CARRYING CONSTRUCTION TO BE MOUNTED ON THE BACK OF A VEHICLE
• STRUCTURE DE TRANSPORT A MONTER A L'ARRIERE D'UN VEHICULE

(71) **MULTA BEDRIJVEN** [NL/NL]; W.A. Scholtenstraat 15, NL–9403 AJ Assen (NL). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **KEMPEN, Lambertus** [NL/NL]; Multa Bedrijven, W.A. Scholtenstraat 15, NL–9403 AJ Assen (NL).

(74) **OTTEVANGERS, S., U.**; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL–2587 BN The Hague (NL).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60R 13/08**

(11) **WO 99/54170** (13) A1

(21) PCT/US99/07954

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/063,717 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SEALING ACOUSTICAL BAFFLE AND METHOD THEREFOR
• ECRAN ACOUSTIQUE DE SCELLEMENT ET PROCEDE ASSOCIE

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(72) **CRABTREE, Joseph, H.**; 10578 Voges Road, Lebanon, IL 62254 (US). **LANGE, Steven, C.**; 510 Marie Lane, Manchester, MO 63011 (US).

(74) **DOIGAN, Lloyd, D.**; UT Automotive Dearborn, Inc., Legal Dept., 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60R 21/06**

(11) **WO 99/54171** (13) A1

(21) PCT/SE99/00606

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) sv (26) en

(30) 9801365–9 **20 Apr/avr 1998** SE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROTECTIVE ARRANGEMENT
• SYSTEME DE SECURITE

(71) **AB VOLVO** [SE/SE]; S–405 08 Göteborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GRYDBECK, Maria** [SE/SE]; Kroksjödal 2123, S–443 73 Gråbo (SE). **GUSTAFSSON, Denny** [SE/SE]; Karlsväg Timmervik, Postlåda 13847, S–442 97 Kode (SE).

(74) **STENSTRÖM, J.** et al. / etc.; Albihns Patentbyrå Stockholm AB, P.O. Box 5581, S–114 85 Stockholm (SE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60R 21/32**

(11) **WO 99/54172** (13) A1

(21) PCT/US99/08421

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,912 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A DETECTION SYSTEM FOR DETERMINING THE PROXIMITY OF AN OBJECT RELATIVE TO AN AIRBAG
• SYSTEME DE DETECTION PERMETTANT DE DETERMINER LA PROXIMITE D'UN OBJET PAR RAPPORT A UN AIRBAG

(71) **SIEMENS AUTOMOTIVE CORPORATION** [US/US]; 2400 Executive Hills Drive, Auburn Hills, MI 48326–2980 (US).

(72) **WITT, Paul, A.**; 23050 Middlebelt Road #104, Farmington Hills, MI 48336 (US).

(74) **CANAVAN, Robert, T.** et al. / etc.; Siemens Corporation, Intellectual Property Dept., 186 Wood Avenue South, Iselin, NJ 08830 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60R 21/32**

(11) **WO 99/54173** (13) A1

(21) PCT/US99/08620

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,408 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 60/082,443 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 60/082,528 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/294,752 **19 Apr/avr 1999** US **(19.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OCCUPANT DETECTION SYSTEM
• SYSTEME DE DETECTION D'UN OCCUPANT

(71) **AUTOMOTIVE SYSTEMS LABORATORY, INC.** [US/US]; Suite B–12, 27200 Haggerty Road, Farmington Hills, MI 48331 (US).

(72) **STANLEY, James, G.**; 21945 Daleview Drive, Novi, MI 48374 (US).

(74) **LYON, Lyman, R.**; Lyon, P.C., Suite 207, 3883 Telegraph Road, Bloomfield Hills, MI 48302–1476 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B60R 21/32**

(11) **WO 99/54174** (13) A1

(21) PCT/US99/08634

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,517 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/294,680 **19 Apr/avr 1999** US **(19.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OCCUPANT DETECTION SYSTEM
• SYSTEME DE DETECTION D'UN OCCUPANT

(71) **AUTOMOTIVE SYSTEMS LABORATORY, INC.** [US/US]; Suite B–12, 27200 Haggerty Road, Farmington Hills, MI 48331 (US).

(72) **STANLEY, James, Gregory**; 21945 Daleview Drive, Novi, MI 48374 (US). **STOPPER, Robert, Anthony, Jr.**; 45992 Green Valley Road, Plymouth, MI 48170 (US).

(74) **LYON, Lyman, R.**; Lyon, P.C., Suite 207, 3883 Telegraph Road, Bloomfield Hills, MI 48302–1476 (US).

(81) CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B60R 21/32**

(11) **WO 99/54175** (13) A1

(21) PCT/US99/08677

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,523 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 60/119,694 **11 Feb/fév 1999** US **(11.02.1999)**

(30) 09/294,675 **19 Apr/avr 1999** US **(19.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OCCUPANT DETECTION SYSTEM

- SYSTEME DE DETECTION D'UN OCCUPANT

(71) **AUTOMOTIVE SYSTEMS LABORATORY, INC.** [US/US]; Suite B–12, 27200 Haggerty Road, Farmington Hills, MI 48331 (US).

(72) **STOPPER, Robert, A., Jr.**; 45992 Green Valley Road, Plymouth, MI 48170 (US). **STANLEY, James, G.**; 21945 Daleview Drive, Novi, MI 48374 (US).

(74) **LYON, Lyman, R.**; Lyon, P.C., Suite 207, 3883 Telegraph Road, Bloomfield Hills, MI 48302–1476 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60R 22/347**

(11) **WO 99/54176** (13) A1

(21) PCT/EP99/02659

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 298 07 227.0 **21 Apr/avr 1998 (21.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BELT RETRACTOR, ESPECIALLY FOR A SEAT BELT RESTRAINT SYSTEM FOR CHILDREN
• ENROULEUR DE CEINTURE DESTINE NOTAMMENT A UN SYSTEME DE CEINTURE DE SECURITE POUR ENFANTS

(71) **TRW OCCUPANT RESTRAINT SYSTEMS GMBH & CO. KG** [DE/DE]; Industriestrasse 20, D–73553 Alfdorf (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **FÖHL, Artur** [DE/DE]; Auf der Halde 28, D–73614 Schorndorf (DE). **HELBACH, Wolfgang** [DE/DE]; Oderstrasse 11, D–73529 Schwäbisch Gmünd (DE).

(74) **KITZHOFER, Thomas**; Prinz & Partner, Manzingerweg 7, D–81241 München (DE).

(81) DE JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60S 1/60, 1/48**

(11) **WO 99/54177** (13) A1

(21) PCT/GB99/01175

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808184.7 **17 Apr/avr 1998 (17.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SCREEN CLEANING DEVICE
• dispositif de nettoyage de pare–brise

(71) **TEXTRON AUTOMOTIVE UK** [GB/GB]; McCord Winn Division, Dyffryn Industrial Estate, Ystrad Mynach, Hengoed, Mid Glamorgan CF82 7RJ (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BURT, Stephen, John** [GB/GB]; Sandford House, Skarries View, Tokers Green Lane, Kidmore End, Reading RG4 9EB (GB).

(74) **SLINGSBY, Philip, Roy** et al. / etc.; Page White & Farrer, 54 Doughty Street, London WC1N 2LS (GB).

(81) CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B60S 9/00**

(11) **WO 99/54178** (13) A2

(21) PCT/ZA99/00018

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 98/3347 **21 Apr/avr 1998 (21.04.1998)** ZA

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LANDING LEGS FOR TRAILERS
• PIEDS D'APPUI AU SOL POUR REMORQUES

(71) **CHAPMAN, Neil, Anthony** [ZA/ZA]; 10 Ley Road, St. James, Cape Town 7945 (ZA).

(74) **BACON, Brian**; Brian Bacon & Associates, Mariendahl House, 2nd floor, Norwich on Main, Main Road, Newlands 7700 (ZA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B60T 8/32, 7/12, 13/72**

(11) **WO 99/54179** (13) A1

(21) PCT/EP99/02354

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) de (26) de

(30) 198 17 326.1 **18 Apr/avr 1998 (18.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR REDUCING BRAKING DISTANCE
• PROCEDE POUR RACCOURCIR LA DISTANCE DE FREINAGE

(71) **CONTINENTAL TEVES AG & CO. OHG** [DE/DE]; Guerickestrasse 7, D–60488 Frankfurt am Main (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **ECKERT, Alfred** [DE/DE]; Lion–Feuchtwanger Strasse 137, D–55129 Mainz (DE). **BERTHOLD, Thomas** [DE/DE]; Sieboldstrasse 16, D–64293 Darmstadt (DE). **TIELEMAN, Erwin** [NL/NL]; Kanalkade 10, NL–4571 CK Axel (NL).

(74) **CONTINENTAL TEVES AG & CO. OHG**; Guerickestrasse 7, D–60488 Frankfurt am Main (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B60T 11/04, 7/10**

(11) **WO 99/54180** (13) A1

(21) PCT/EP99/02144

(22) **29 Mar/mar 1999 (29.03.1999)**

(25) de (26) de

(30) 198 16 800.4 **16 Apr/avr 1998 (16.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BRAKE–POWER PROPORTIONING MECHANISM FOR A MANUALLY ACTUATED PARKING–BRAKE SYSTEM COMPRISING A MULTI–PIECE LEVER MECHANISM
• MECANISME REPARTITEUR DE PUISSANCE DE FREINAGE POUR UN SYSTEME DE FREIN DE STATIONNEMENT ACTIONNE PAR LA FORCE MUSCULAIRE, COMPORTANT UN MECANISME A LEVIERS EN PLUSIEURS PARTIES

(71) **DAIMLERCHRYSLER AG** [DE/DE]; Epplestrasse 225, D–70567 Stuttgart (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **EMMANN, Siegfried** [DE/DE]; Merzelweg 7/1, D–71384 Weinstadt (DE). **MOSLER, Christian** [DE/DE]; Teichhuhnstrasse 6, D–70378 Stuttgart (DE). **SPIELMANN, Werner** [DE/DE]; Hohenstaufenstrasse 5/1, D–71576 Burgstetten (DE).

(74) **DAHMEN, Toni** et al. / etc.; DaimlerChrysler AG, Intellectual Property Management, FTP – C 106, D–70546 Stuttgart (DE).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B60V**

(11) **WO 99/54181** (13) A2

(21) PCT/RU99/00115

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 98107154 **16 Apr/avr 1998 (16.04.1998)** RU

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF CREATION OF AIRPLANE TYPE AIRCRAFT FORCES SYSTEM AND AIRCRAFT – GROUND–AIR AMPHIBIAN FOR ITS IMPLEMENTATION
• PROCEDE DE GENERATION D'UN SYSTEME DE FORCES POUR UN AERONEF DE TYPE AVION, ET AERONEF AMPHIBIE SOL–AIR PERMETTANT DE METTRE EN OEUVRE CE PROCEDE

(71, 72) **NAZAROV, Valentin Vasilievich** [RU/RU]; Kuznetsovo, ul. Alexeeva, 6–79, Nizhegorodskaya obl., Chkalovsk, 606429 (RU).

(74) **KALININA, Ljudmila Borisovna**; Michurinsky pr. 58–137, Moscow, 117192 (RU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B61D 47/00, 3/20, 3/04, 45/00**

(11) **WO 99/54182** (13) A1

(21) PCT/GB99/00110

(22) **13 Jan/jan 1999 (13.01.1999)**

(25) en (26) en

(30) 9801073.9 **19 Jan/jan 1998** GB **(19.01.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FREIGHT CONTAINER AND METHOD OF TRANSPORTING A LOAD
• CONTENEUR ET PROCEDE POUR TRANSPORTER UNE CHARGE

(71) **3rd PLANET SOLUTIONS LIMITED** [GB/GB]; 326 Woodway Lane, Walsgrave, Coventry CV2 2LF (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GIBSON, David, Andrew** [GB/GB]; 326 Woodway Lane, Walsgrave, Coventry CV2 2LF (GB).

(74) **FLINT, Adam**; W.H. Beck, Greener & Co., 7 Stone Buildings, Lincoln's Inn, London WC2A 3SZ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B61F 5/30, 5/38**

(11) **WO 99/54183** (13) A1

(21) PCT/DE99/01115

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 783.6 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RAILWAY SYSTEM
• SYSTEME FERROVIAIRE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZANDER, Hans–Hermann** [DE/DE]; Würzburger Ring 86, D–91056 Erlangen (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CA CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B61H 7/08**

(11) **WO 99/54184** (13) A1

(21) PCT/EP99/02537

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 233.8 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR CONTROLLING OR REGULATING AN EDDY–CURRENT BRAKE
• PROCEDE POUR LA COMMANDE OU LA REGULATION D'UN FREIN A COURANTS PARASITES

(71) **KNORR–BREMSE SYSTEME FÜR SCHIENENFAHRZEUGE GMBH** [DE/DE]; Moosacher Strasse 80, D–80809 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SAUMWEBER, Eckart** [DE/DE]; Mühlstrasse 15, D–82131 Gauting (DE). **LEHMANN, Henry** [DE/DE]; Rudolf–Breitscheid–Strasse 16A, D–08062 Zwickau (DE). **GRAUTSTÜCK, Heinrich** [DE/DE]; Werner–Friedmann–Bogen 28, D–80993 München (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B62C 1/08**

(11) **WO 99/54185** (13) A1

(21) PCT/FR98/00768

(22) **16 Apr/avr 1998 (16.04.1998)**

(25) fr (26) fr

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADJUSTABLE SULKY SUSPENSION
• SULKY MODULABLE SUSPENDU

(71, 72) **LEDERLIN, Guy** [FR/FR]; 45, rue du Chef de Ville, F–60530 Le Mesnil en Thelle (FR).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B62D 17/00**

(11) **WO 99/54186** (13) A1

(21) PCT/IT98/00217

(22) **29 Jul/juil 1998 (29.07.1998)**

(25) en (26) en

(30) RM98A000242 **17 Apr/avr 1998** IT **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN AUTOMATIC DEVICE FOR THE REDUCTION OF THE CENTRIFUGAL FORCE EFFECTS ONTO CORNERING VEHICLES
• DISPOSITIF AUTOMATIQUE DE REDUCTION DES EFFETS DE LA FORCE CENTRIFUGE SUR DES VEHICULES EN VIRAGE

(71, 72) **FALCHI, Francesco** [IT/IT]; Via Attilio Regolo, 12D, I–00192 Roma (IT).

(74) **MASCIOLI, Alessandro**; Via Urbana, 20, I–00184 Roma (IT).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B62D 25/08**

(11) **WO 99/54187** (13) A1

(21) PCT/GB99/01166

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808442.9 **21 Apr/avr 1998** GB **(21.04.1998)**

(30) 9808682.0 **23 Apr/avr 1998** GB **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VEHICLE MODULE
• MODULE DE VEHICULE

(71) **TEXTRON AUTOMOTIVE UK** [GB/GB]; McCord Winn Division, Dyffryn Industrial Estate, Ystrad Mynach, Hengoed, Mid Glamorgan CF82 7RJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STEPHEN, John, Burt** [GB/GB]; Sandford House, Skarries View, Tokers Green Lane, Kidmore End, Reading RG4 9EB (GB).

(74) **SLINGSBY, Philip, Roy** et al. / etc.; Page White & Farrer, 54 Doughty Street, London WC1N 2LS (GB).

(81) CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B62D 31/00**

(11) **WO 99/54188** (13) A1

(21) PCT/IB99/00685

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) it (26) en

(30) MI98A000828 **20 Apr/avr 1998 (20.04.1998)** IT

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CITY–CAR
• VOITURE URBAINE

(71, 72) **CECCOTTI, Antonio** [IT/IT]; Via dell'Occhio, 26, I–56100 Pisa (IT).

(74) **BOTTI, Mario** et al. / etc.; Botti & Ferrari S.r.l., Via Locatelli, 5, I–20124 Milano (IT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B62D 55/10**

(11) **WO 99/54189** (13) A1

(21) PCT/US99/08761

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,685 **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUSPENSION AND DRIVE MECHANISM FOR A MULTI–SURFACE VEHICLE
• MECANISME DE SUSPENSION ET D'ENTRAINEMENT D'UN VEHICULE MULTISURFACES

(71) **A.S.V., INC.** [US/US]; 840 Lily Lane, Grand Rapids, MN 55744 (US).

(72) **LEMKE, Gary**; 821 S.W. 7th Avenue, Grand Rapids, MN 55744 (US). **LEMKE, Brad**; 65 Horseshoe Drive, Grand Rapids, MN 55744 (US). **SAFE, Cary**; 6707 Gama Beach Road, Grand Rapids, MN 55744 (US). **HETTEEN, Edgar**; 401 Norberg Drive, Grand Rapids, MN 55744 (US).

(74) **VIKSNINS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402 (US).

(81) CA MX.

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(51)[6] **B62D 61/00, B60K 17/30, B66F 7/08**

(11) **WO 99/54190** (13) A1

(21) PCT/SE99/00618

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) sv (26) en

(30) 9801330–3 **17 Apr/avr 1998 (17.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ARRANGEMENT FOR VEHICLES
• DISPOSITIF POUR VEHICULES

(71) **MAXMOVE AB** [SE/SE]; Industrivägen 5, S–916 31 Bjurholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SEGERLJUNG, Max** [SE/SE]; Penglund 106, S–911 94 Vännäs (SE).

(74) **WESTERLUND, Örjan** et al. / etc.; AB Stockholms Patentbyrå, Zacco & Bruhn (publ), P.O. Box 23101, S–104 35 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B62D 65/00**

(11) **WO 99/54191** (13) A2

(21) PCT/DE99/01232

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) de (26) de

(30) 298 07 434.6 **23 Apr/avr 1998 (23.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSPORTING DEVICE, ESPECIALLY A TRANSPORT BEAM TRANSPORTING DEVICE
• DISPOSITIF DE TRANSPORT, NOTAMMENT DISPOSITIF DE TRANSPORT A POUTRELLES DE TRANSPORT

(71, 72) **CAFTANAT, Sergiu** [DE/DE]; Einsteinstrasse 167, D–81675 München (DE).

(74) **PETRA, Elke** et al. / etc.; Petra, Zieger & Kollegen, Herzog–Ludwig–Strasse 18, D–85570 Markt Schwaben (DE).

(81) AL AM AT AU BA BG BR BY CA CH CN CU CZ DE EE ES GB HU IL IS JP KP KR KZ LK LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US VN; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B62M**

(11) **WO 99/54192** (13) A2

(21) PCT/DE99/01036

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) de (26) de

(30) 198 15 064.4 **3 Apr/avr 1998 (03.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DRIVE DEVICE FOR A VEHICLE, PREFERABLY FOR A BICYCLE
• DISPOSITIF D'ENTRAINEMENT POUR UN VEHICULE, NOTAMMENT POUR UNE BICYCLETTE

(71, 72) **SCHUCK, Gerhard** [DE/DE]; Feldbergstrasse 8, D–64409 Messel (DE).

(74) **FRITSCH, Klaus**; Richard–Wagner–Strasse 1a, D–67126 Hochdorf–Assenheim (DE).

(81) CA CZ FI HU JP PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B62M 3/00, F16J 7/00**

(11) **WO 99/54193** (13) A1

(21) PCT/US98/16487

(22) **7 Aug/août 1998 (07.08.1998)**

(25) en (26) en

(30) 09/064,346 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TETRAHELICAL/CURVED BICYCLE CRANK ARM/CONNECTING ROD
• MANIVELLE/BIELLE DE BICYCLETTE TETRAHELICOIDALE/COURBEE

(71, 72) **KARSDON, Jeffrey** [US/US]; Apartment 15H, 200 East 16th Street, New York, NY 10003–3722 (US).

(74) **SMITH, James, M.** et al. / etc.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **B62M 23/02, B63H 23/24**

(11) **WO 99/54194** (13) A1

(21) PCT/US99/08359

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,137 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN–POWERED ENERGY GENERATION AND TRANSMISSION SYSTEM
• SYSTEME DE GENERATION ET DE TRANSMISSION D'ENERGIE A PROPULSION HUMAINE

(71) **ARROWSWIFT, INC.** [US/US]; 13624 Metric Road, Roscoe, IL 61073 (US).

(72) **DAVIS, Donald, L.**; 11212 Bayberry Drive, Roscoe, IL 61073 (US).

(74) **MAKEEVER, Jeffery, J.** et al. / etc.; Leydig, Voit & Mayer, Ltd., 6815 Weaver Road, Suite 300, Rockford, IL 61114–8018 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B63B 3/60, 11/02, 19/18, 19/26, 29/20**

(11) **WO 99/54195** (13) A1

(21) PCT/NO99/00125

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 19981727 **16 Apr/avr 1998** NO **(16.04.1998)**

(30) 19983204 **10 Jul/juil 1998** NO **(10.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A VESSEL OF THE OBO OR BULK CARRIER TYPE
• VAISSEAU DU TYPE MINERALIER–VRAQUIER PETROLIER OU VRAQUIER

(71) **ALLIED APPLIED MARINE TECHNOLOGIES INC.** [PA/PA]; Arango–Orilao Building, 54th Street, P.O. Box 8320, Panama 7 (PA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LIBÆK, Ole–Jacob** [NO/NO]; Løchenveien 12B, N–0286 Oslo (NO).

(74) **ONSAGERS PATENTKONTOR – DEFENSOR AS**; P.O. Box 265 Sentrum, N–0103 Oslo (NO).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B63B 21/32, 21/34, 21/30, 21/26**

(11) **WO 99/54196** (13) A1

(21) PCT/US98/18937

(22) **11 Sep/sep 1998 (11.09.1998)**

(25) en (26) en

(30) 09/085,892 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANCHOR
• ANCRE

(71) **TALON SEA ANCHOR, INC.** [US/US]; Suite 490, 11767 Katy Freeway, Houston, TX 77079 (US).

(72) **McCABE, Curt**; 15426 Wilshire, Houston, TX 77391–1190 (US).

(74) **VADEN, Frank, S., III**; Vaden, Eickenroht & Thompson, L.L.P., Suite 1100, One Riverway, Houston, TX 77056–1982 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B63B 22/02**

(11) **WO 99/54197** (13) A1

(21) PCT/US99/08863

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,837 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/296,699 **21 Apr/avr 1999** US **(21.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBMERGED PIPELINE MANIFOLD FOR OFFLOADING MOORING BUOY AND METHOD OF INSTALLATION
• COLLECTEUR DE CANALISATIONS IMMERGE POUR BOUEE D'AMARRAGE DE DECHARGEMENT ET PROCEDE D'INSTALLATION

(71) **FMC CORPORATION** [US/US]; 200 East Randolph Street, Chicago, IL 60601 (US).

(72) **KELM, Ron, L.**; 8339 Winningham, Houston, TX 77055 (US). **ETHERIDGE, Charles, O.**; 3730 Cypress Hill Drive, Spring, TX 77388 (US). **LIU, Yonghui, H.**; 5510 Island Breeze Drive, Houston, TX 77041 (US). **McCOLLUM, Jerry, L.**; 1445 Allen Street, Hempstead, TX 77445 (US).

(74) **BUSH, Gary, L.**; Mayor, Day, Caldwell & Keeton, Suite 1900, 700 Louisiana, Houston, TX 77002 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HU IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK TR TT UA UZ VN; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B63B 35/44, 21/50, 39/06**

(11) **WO 99/54198** (13) A1

(21) PCT/US99/08529

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,107 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/292,649 **15 Apr/avr 1999** US **(15.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TENDON–BASED FLOATING STRUCTURE
• STRUCTURE FLOTTANTE BASEE SUR DES CABLES DE PRECONTRAINTE

(71) **NOVELLENT TECHNOLOGIES L.L.C.** [US/US]; 2221 Westcreek Lane #F–60, Houston, TX 77027 (US).

(72) **BYLE, Steven, M.**; 2221 Westcreek Lane #F–60, Houston, TX 77027 (US).

(74) **ROSENTHAL, Alan, D.** et al. / etc.; Rosenthal & Osha L.L.P., Suite 4550, 700 Louisiana Street, Houston, TX 77002 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B64C 21/00**

(11) **WO 99/54199** (13) A1

(21) PCT/US98/07718

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLUID FLOW CONTROL DEVICE USING MICROELECTROMECHANICAL (MEMS) VALVE MEANS
• DISPOSITIF REGULATEUR D'ECOULEMENT FLUIDE UTILISANT DES VALVES MICROELECTROMECANIQUES (MEMS)

(71) **ORBITAL RESEARCH INC.** [US/US]; Suite 461, 11000 Cedar Avenue, Cleveland, OH 44106 (US).

(72) **SCHMIDT, Robert, N.**; 1721 Fulton Road, Cleveland, OH 44113 (US). **SHAW, Greg, S.**; 2353 Charney Road, University Heights, OH 44118 (US).

(74) **VYNALEK, John, H.**; Suite 461, 11000 Cedar Avenue, Cleveland, OH 44106 (US).

(81) DE GB JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B64D 10/00**

(11) **WO 99/54200** (13) A1

(21) PCT/CH98/00160

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) de (26) de

(30) 900/98 **20 Apr/avr 1998** CH **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACCELERATION PROTECTIVE SUIT
• TENUE VESTIMENTAIRE DE PROTECTION CONTRE LES EFFETS DE L'ACCELERATION

(71) **LSS LIFE SUPPORT SYSTEMS AG** [CH/CH]; Chüpliweg 3, CH–8702 Zollikon (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REINHARD, Andreas** [CH/CH]; Chüpliweg 3, CH–8702 Zollikon (CH).

(74) **SALGO, R., C.**; Rütistrasse 103, CH–8636 Wald (CH).

(81) AU BR CA CN CZ HU IL JP KR MX NO NZ PL TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B64D 10/00**

(11) **WO 99/54201** (13) A1

(21) PCT/CH98/00161

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) de (26) de

(30) 901/98 **20 Apr/avr 1998** CH **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACCELERATION PROTECTIVE SUIT
• TENUE VESTIMENTAIRE DE PROTECTION CONTRE LES EFFETS DE L'ACCELERATION

(71) **LSS LIFE SUPPORT SYSTEMS AG** [CH/CH]; Chüpliweg 3, CH–8702 Zollikon (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REINHARD, Andreas** [CH/CH]; Flühgasse 19, CH–8008 Zürich (CH). **EGLI, Wendelin** [CH/CH]; Birchstrasse 14, CH–8472 Seuzach (CH).

(74) **SALGO, R., C.**; Rütistrasse 103, CH–8636 Wald (CH).

(81) AU BR CA CN CZ HU IL JP KR MX NO NZ PL TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B64D 10/00**

(11) **WO 99/54202** (13) A1

(21) PCT/CH98/00534

(22) **14 Dec/déc 1998 (14.12.1998)**

(25) de (26) de

(30) 900/98 **20 Apr/avr 1998** CH **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACCELERATION PROTECTIVE SUIT
• TENUE VESTIMENTAIRE DE PROTECTION CONTRE LES EFFETS DE L'ACCELERATION

(71) **LSS LIFE SUPPORT SYSTEMS AG** [CH/CH]; Chüpliweg 3, CH–8207 Zollikon (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REINHARD, Andreas** [CH/CH]; Chüpliweg 3, CH–8207 Zollikon (CH). **EGLI, Wendelin** [CH/CH]; Birchstrasse 14, CH–8472 Seuzach (CH).

(74) **SALGO, R., C.**; Rütistrasse 103, CH–8636 Wald (CH).

(81) AU BR CA CN CZ HU IL JP KR MX NO NZ PL TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B64D 10/00**

(11) **WO 99/54203** (13) A1

(21) PCT/CH99/00159

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 900/98 **20 Apr/avr 1998** CH **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACCELERATION PROTECTION SUIT
• VETEMENT DE PROTECTION CONTRE LES EFFETS DE L'ACCELERATION

(71) **LSS LIFE SUPPORT SYSTEMS AG** [CH/CH]; Chüpliweg 3, CH–8702 Zollikon (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REINHARD, Andreas** [CH/CH]; Flühgasse 19, CH–8008 Zürich (CH). **EGLI, Wendelin** [CH/CH]; Birchstrasse 14, CH–8472 Seuzach (CH).

(74) **SALGO, R., C.**; Rütistrasse 103, CH–8636 Wald (CH).

(81) AU BR CA CN CZ HU IL JP KR MX NO NZ PL TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B64D 33/04, F01N 7/08**

(11) **WO 99/54204** (13) A1

(21) PCT/CA99/00353

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,926 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • JET ENGINE EXHAUST NOZZLE
• TUYERE D'ECHAPPEMENT DE REACTEUR

(71) **PRATT & WHITNEY CANADA INC.** [CA/CA]; c/o Jeffrey W. Astle, Legal Services (01BE5), 1000 Marie Victorin, Longueuil, Québec J4G 1A1 (CA).

(72) **CRONE, James**; 15 Montague, Kirkland, Québec H9J 2M1 (CA).

(74) **ASTLE, Jeffrey, W.**; Pratt & Whitney Canada Inc., Legal Dept. (01BE5), 1000 Marie Victorin, Longueuil, Québec J4G 1A1 (CA).

(81) CA JP PL RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65B 9/20**

(11) **WO 99/54205** (13) A1

(21) PCT/JP99/01775

(22) **2 Apr/avr 1999 (02.04.1999)**

(25) ja (26) ja

(30) 10/113058 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FILLING AND PACKING MACHINE
• MACHINE DE REMPLISSAGE ET D'EMBALLAGE

(71) **NIPPON SEIKI CO., LTD.** [JP/JP]; 2–34, Higashi–zaoh 2–chome, Nagaoka–shi, Niigata 940–8580 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SATO, Mitsuhiro** [JP/JP]; Nippon Seiki Co., Ltd., 2–34, Higashi–zaoh 2–chome, Nagaoka–shi, Niigata 940–8580 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65B 25/18, 43/34**

(11) **WO 99/54206** (13) A1

(21) PCT/CA98/00303

(22) **21 Apr/avr 1998 (21.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH SPEED LINEAR BAGGING MACHINE AND METHOD OF OPERATION
• ENSACHEUSE LINEAIRE ULTRARAPIDE ET SON MODE DE FONCTIONNEMENT

(71) **GLOPAK INC.** [CA/CA]; 4755 boulevard des Grandes Prairies, St. Leonard, Quebec H1R 1A6 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MURGATROYD, John** [GB/GB]; Green Glen Binns Lane, Glusburn Keiguly, West Yorkshire BD20 8JJ (GB). **WHITEHILL, W., A.** [GB/GB]; 6 Parkside, Halifax HX3 0ED (GB). **SAVOURY, Rick** [CA/CA]; 17 White Ash Drive, Markham, Ontario L3P 4N1 (CA).

(74) **HOULE, Guy** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montreal, Quebec H3A 2Y3 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **B65B 31/00**

(11) **WO 99/54207** (13) A1

(21) PCT/JP99/01995

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/124261 **17 Apr/avr 1998 (17.04.1998)** JP

(30) 10/308992 **29 Oct/oct 1998 (29.10.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR MANUFACTURING POSITIVE PRESSURE PACKAGING BODY
• PROCEDE ET DISPOSITIF DE FABRICATION D'UN CORPS DE CONDITIONNEMENT A PRESSION POSITIVE

(71) **TOYO SEIKAN KAISHA, LTD.** [JP/JP]; 3–1, Uchisaiwaicho 1–chome, Chiyoda–ku, Tokyo 100–8522 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKENOUCHI, Ken** [JP/JP]; 4–4–21, Noukendai, Kanazawa–ku, Yokohama–shi, Kanagawa 236–0057 (JP). **KOIKE, Hidetoshi** [JP/JP]; 1–8–7, Kamiodanaka, Nakahara–ku, Kawasaki–shi, Kanagawa 211–0053 (JP). **SENBON, Katsumi** [JP/JP]; 5–30–3–206, Matsubara, Setagaya–ku, Tokyo 156–0043 (JP). **IWASAKI, Tsutomu** [JP/JP]; 2–15–6, Nishioonuma, Sagamihara–shi, Kanagawa 229–0012 (JP). **KUROSAWA, Kazuyuki** [JP/JP]; 11–9, Sugitatsubonomi, Isogo–ku, Yokohama–shi, Kanagawa 235–0034 (JP). **TANIOKA, Mitsuo** [JP/JP]; 1–14–1–113, Tsumadakita, Atsugi–shi, Kanagawa 243–0812 (JP). **KIMURA, Yoshihiko** [JP/JP]; 2–4–1, Hiranuma, Nishi–ku, Yokohama–shi, Kanagawa 220–0023 (JP).

(74) **OSHIRO, Shigenobu** et al. / etc.; 504 Kozato Kaikan Building, 1–18–14, Nishi–Shimbashi, Minato–ku, Tokyo 105–0003 (JP).

(81) AU CA KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65B 31/02**

(11) **WO 99/54208** (13) A1

(21) PCT/EP99/01651

(22) **12 Mar/mar 1999 (12.03.1999)**

(25) de (26) de

(30) 198 17 735.6 **21 Apr/avr 1998 (21.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BEVERAGE FILLING DEVICE
• DISPOSITIF POUR REMPLIR DES CONTENANTS AVEC UNE BOISSON

(71) **FEHLAND ENGINEERING GMBH** [DE/DE]; Schwarzer Weg 8, D–22309 Hamburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHWENKE, Dieter** [DE/DE]; Bahnhofstrasse 12, D–25560 Schenefeld (DE). **FEHLAND, Jörn, Richard** [DE/DE]; Ahrensburger Weg 16, D–22359 Hamburg (DE).

(74) **SCHAEFER, Konrad**; Schaefer & Emmel, Gehölzweg 20, D–22043 Hamburg (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65B 35/06, B65D 83/04, 75/36, 75/34, A61J 1/03**

(11) **WO 99/54209** (13) A1

(21) PCT/NZ98/00049

(22) **21 Apr/avr 1998 (21.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEDICATION DISPENSER
• DISTRIBUTEUR DE MEDICAMENTS

(71, 72) **ORCHARD, Peter** [NZ/NZ]; 2A Allison Street, Wanganui (NZ). **DUXFIELD, Peter, Douglas** [NZ/NZ]; 12 Millward Street, Wanganui (NZ).

(74) **VERBOEKET, Peter, Charles, Robert** et al. / etc.; P.O. Box 10 932, Wellington 6001 (NZ).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **B65B 39/00, 31/10**

(11) **WO 99/54210** (13) A1

(21) PCT/SE99/00649

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9801399–8 **21 Apr/avr 1998 (21.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD, APPARATUS AND SYSTEM FOR FILLING CONTAINERS
• PROCEDE, APPAREIL ET SYSTEME DE REMPLISSAGE DE RECIPIENTS

(71) **ASTRA PHARMACEUTICALS LTD.** [GB/GB]; Home Park, Kings Langley, Herts. WD4 8DH (GB).
(for all designated States except / pour tous les États désignés sauf MG US)

(71) **ASTRA AKTIEBOLAG** [SE/SE]; S–151 85 Södertälje (SE).
(only for / seulement pour MG)

(72, 75) **BRENNAN, John** [GB/GB]; Design By Design Co., Wistaria House, Purley Village, Purley on Thames, Reading RG8 8AF (GB). **FLETCHER, Ian** [GB/GB]; Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH (GB). **METCALF, Stephen** [GB/GB]; Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH (GB). **PANCHOLI, Yogesh** [GB/GB]; Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH (GB). **SMITH, David** [GB/GB]; Flow Science Ltd., Goldstein Research Laboratory, Barton Airport, Eccles, Manchester M30 7RU (GB).

(74) **ASTRA AKTIEBOLAG**; Intellectual Property, Patents, S–151 85 Södertälje (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

(51)[6] **B65B 39/00, 31/10**

(11) **WO 99/54211** (13) A1

(21) PCT/SE99/00650

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9801398–0 **21 Apr/avr 1998 (21.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD, APPARATUS AND SYSTEM FOR FILLING CONTAINERS
• PROCEDE, APPAREIL ET SYSTEME DE REMPLISSAGE DE RECIPIENTS

(71) **ASTRA PHARMACEUTICALS LTD.** [GB/GB]; Home Park, Kings Langley, Herts WD4 8DH (GB).
(for all designated States except / pour tous les États désignés sauf MG US)

(71) **ASTRA AKTIEBOLAG** [SE/SE]; S–151 85 Södertälje (SE).
(only for / seulement pour MG)

(72, 75) **BRENNAN, John** [GB/GB]; Design By Design Co., Wistaria House, Purley Village, Purley on Thames, Reading RG8 8AF (GB). **MATTHEWS, Roger** [GB/GB]; Horton Matthews Product Innovation, Witham House, 16 Laburnham Road, Maidenhead SL6 4DB (GB). **METCALF, Stephen** [GB/GB]; Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH (GB).

(74) **ASTRA AKTIEBOLAG**; Intellectual Property, Patents, S–151 85 Södertälje (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B65B 39/00, 31/10**

(11) **WO 99/54212** (13) A1

(21) PCT/SE99/00651

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9801400–4 **21 Apr/avr 1998 (21.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD, APPARATUS AND SYSTEM FOR FILLING CONTAINERS
• PROCEDE, APPAREIL ET SYSTEME POUR REMPLIR DES RECIPIENTS

(71) **ASTRA PHARMACEUTICALS LTD.** [GB/GB]; Home Park, Kings Langley, Herts WD4 8DH (GB).
(for all designated States except / pour tous les États désignés sauf MG US)

(71) **ASTRA AKTIEBOLAG** [SE/SE]; S–151 85 Södertälje (SE).
(only for / seulement pour MG)

(72, 75) **BRENNAN, John** [GB/GB]; Design By Design Co., Wistaria House, Purley Village, Purley on Thames, Reading RG8 8AF (GB). **MATTHEWS, Roger** [GB/GB]; Horton Matthews Product Innovation, Witham House, 16 Laburnham Road, Maidenhead SL6 4DB (GB). **METCALF, Stephen** [GB/GB]; Astra Charnwood, Bakewell Road, Loughborough, Leics LE11 5RH (GB).

(74) **ASTRA AKTIEBOLAG**; Intellectual Property, Patents, S–151 85 Södertälje (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B65B 43/12, 43/30, 43/26**

(11) **WO 99/54213** (13) A1

(21) PCT/US98/22545

(22) **23 Oct/oct 1998 (23.10.1998)**

(25) en (26) en

(30) 09/064,333 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR OPENING AND TRANSPORTING BAGS
• PROCEDE ET APPAREIL D'OUVERTURE ET DE TRANSPORT DE SACS

(71) **CRYOVAC, INC.** [US/US]; 100 Rogers Bridge Road, P.O. Box 464, Duncan, SC 29334 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KILLINGER, Glenn, W.** [US/US]; 204 Coachman Drive, Simpsonville, SC 29681 (US). **MCDONALD, Gregory, E.** [US/US]; 141 Hunter Road, Simpsonville, SC 29681 (US). **ZENDE, Charles, C.** [US/US]; 505 East Silverleaf, Greer, SC 29650 (US).

(74) **QUATT, Mark, B.** et al. / etc.; Cryovac, Inc., 100 Rogers Bridge Road, P.O. Box 464, Duncan, SC 29334 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65B 61/18**

(11) **WO 99/54214** (13) A1

(21) PCT/US99/07379

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,958 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/298,503 **23 Apr/avr 1999 (23.04.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SEALABLE CONTAINERS AND METHOD OF FORMING CONTAINERS
• RECIPIENTS POUVANT ETRE FERMES AVEC ETANCHEITE ET PROCEDE DE MISE EN FORME DE RECIPIENTS

(71) **BOX–EASE INTERNATIONAL, INC.** [US/US]; 696 East 400 South, Provo, UT 84606 (US).

(72) **BLACK, William, S.**; 1471 West 1460 North, Provo, UT 84604 (US). **AL–ZUBI, Ra'ed, S.**; 556 West 800 North #12, Provo, UT 84604 (US).

(74) **KUNZLER, Brian, C.**; Madson & Metcalf, Gateway Tower West, Suite 900, 15 West South Temple, Salt Lake City, UT 84101 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65C 5/00**

(11) **WO 99/54215** (13) A1

(21) PCT/US98/23607

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(30) 09/065,133 **23 Apr/avr 1998 (23.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HOSIERY BANDING APPARATUS AND METHOD
• APPAREIL ET PROCEDE D'ASSEMBLAGE PAR BANDE DE BONNETERIE

(71) **TODD MOTION CONTROLS, INC.** [US/US]; 5511 Reynolda Road, Winston–Salem, NC 27106 (US).

(72) **TODD, William, H.**; 3840A Huntingreen Lane, Winston–Salem, NC 27106 (US). **COLLINS, Joseph, L., Jr.**; 120 Saxby Court, Clemmons, NC 27012 (US). **FUNDERBURK, C., Michael**; 1320 Falcon Road, East Bend, NC 27018 (US). **REAVIS, Thomas, A.**; Route 6, Box 204A, Dogwood Drive, King, NC 27021 (US).

(74) **BEAVERS, Walter, L.**; 326 South Eugene Street, Greensboro, NC 27401 (US).

(81) AU BR CA CN DE ES GB IL JP MX PT TR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65C 9/00, B41J 3/407**

(11) **WO 99/54216** (13) A1

(21) PCT/EP98/05952

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) en (26) en

(30) 9808445.2 **21 Apr/avr 1998** GB **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TAPE PRINTING DEVICE AND TAPE CASSETTE
• DISPOSITIF D'IMPRESSION DE BANDE ET CASSETTE POUR BANDE

(71) **ESSELTE N.V.** [BE/BE]; Industriepark–Noord 30, B–9100 Sint–Niklaas (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUNN, Anthony, Roy** [GB/GB]; 160 Milton Road, Cambridge CB4 1LE (GB). **COCKERILL, Sam** [GB/GB]; 38 Queens Close, Harston, Cambridge CB2 5QL (GB). **PANAYI, Costa** [GB/GB]; 46 Armingford Crescent, Melbourn, Royston, Hertfordshire SG8 6NG (GB).

(74) **PAGE WHITE & FARRER**; 54 Doughty Street, London WC1N 2LS (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 1/32, 17/28, 33/38, 33/16, 35/04, 85/72**

(11) **WO 99/54217** (13) A1

(21) PCT/AU99/00307

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) PP 3133 **22 Apr/avr 1998** AU **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISPOSABLE FLUID OR PARTICULATE APPLICATOR
• DISTRIBUTEUR JETABLE DE FLUIDES OU DE PARTICULES

(71) **BOSTON RESEARCH AND DEVELOPMENT COMPANY** [AU/AU]; 2 Gillard Court, Reynella, S.A. 5161 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **HOLMAN, Mark** [AU/AU]; 82 Hilliard Road, Reynella, S.A. 5161 (AU).

(72, 75) **ROBERTSON, Bruce** [AU/AU]; 2 Gillard Court, Reynella, S.A. 5161 (AU). **CUNNINGHAM, Don** [AU/AU]; 2 Gillard Court, Reynella, S.A. 5161 (AU). **BROOKS, Colin** [AU/AU]; 2 Gillard Court, Reynella, S.A. 5161 (AU). **BROOKS, Daryl** [AU/AU]; 2 Gillard Court, Reynella, S.A. 5161 (AU). **PERRY, Rex** [AU/AU]; 2 Gillard Court, Reynella, S.A. 5161 (AU).

(74) **COLLISON & CO.**; 117 King William Street, Adelaide, S.A. 5000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 8/12**

(11) **WO 99/54218** (13) A1

(21) PCT/ES99/00066

(22) **17 Mar/mar 1999 (17.03.1999)**

(25) es (26) es

(30) U 9801018 **16 Apr/avr 1998** ES **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METALLIC CONTAINER
• RECIPIENT METALLIQUE

(71) **ENVASES BALLUJERA, S.A.** [ES/ES]; Calle de la Hoya, 3, E–26500 Calahorra (ES).

(72) **RODRIGUEZ ALFARO, Ricardo**; Calle de la Hoya, 3, E–26500 Calahorra (ES). **ABAD ANTOÑANZAS, Angel**; Calle de la Hoya, 3, E–26500 Calahorra (ES).

(74) **UNGRIA LOPEZ, Javier**; Avenida Ramón y Cajal, 78, E–28043 Madrid (ES).

(81) CN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65D 30/24, 77/06**

(11) **WO 99/54219** (13) A1

(21) PCT/BR98/00028

(22) **27 May/mai 1998 (27.05.1998)**

(25) en (26) en

(30) PI 9800470–0 **16 Apr/avr 1998** BR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AIRTIGHT SANITIZED VALVULAR BAG AND METHOD
• SAC STERILE ET HERMETIQUE COMPORTANT UNE VALVE, ET PROCEDE ASSOCIE

(71, 72) **JANNOTTI NEWLANDS, Paulo, Roberto** [BR/BR]; Apartamento 902, Avenida N.S. de Copacabana, 903, CEP–22060–000 Rio de Janeiro, RJ (BR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65D 33/02, 65/22, 75/52, B31B 19/74**

(11) **WO 99/54220** (13) A1

(21) PCT/FR99/00951

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) fr (26) fr

(30) 98/04975 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PACKAGING FILM AND PACKAGING BAG COMPRISING SAME
• FEUILLE D'EMBALLAGE ET SACHET D'EMBALLAGE LA COMPORTANT

(71) **DANISCO FLEXIBLE FRANCE** [FR/FR]; 1, avenue Emile Venthenat, F–16300 Barbezieux Saint Hilaire (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAUTURIER, Michel** [FR/FR]; Terrier et Versennes, F–16300 Salles de Barbezieux (FR).

(74) **MONCHENY, Michel**; Cabinet Lavoix, 2, place d'Estienne d'Orves, F–75441 Paris Cedex 09 (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 41/10, 41/14**

(11) **WO 99/54221** (13) A1

(21) PCT/US99/08852

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/065,136 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED TWIST–OFF CLOSURE
• CAPSULE QUART DE TOUR AMELIOREE

(71) **PRODUCT INVESTMENT, INC.** [US/US]; 3974 Erie Avenue, Cincinnati, OH 45208 (US).

(72) **HENNING, John, C.**; 20 Applewood Drive, Fairfield, OH 45014 (US). **MELSON, Mark, E.**; 5379 Julmar Drive, Cincinnati, OH 45238 (US).

(74) **BRINKMAN, David, H.** et al. / etc.; Wood, Herron & Evans, L.L.P., 2700 Carew Tower, Cincinnati, OH 45202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 43/16**

(11) **WO 99/54222** (13) A1

(21) PCT/US99/08882

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,142 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HINGE CONNECTION
• CONNEXION ARTICULEE

(71) **NICE–PAK PRODUCTS** [US/US]; 2 Nice–Pak Park, Orangeburg, NY 10962 (US).

(72) **JULIUS, Zachary**; 15 Pondview Lane, Yonkers, NY 10701 (US).

(74) **LANZA, John, D.**; Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B65D 47/08, 55/02**

(11) **WO 99/54223** (13) A1

(21) PCT/HU98/00098

(22) **13 Nov/nov 1998 (13.11.1998)**

(25) de (26) de

(30) U 98 00106 **17 Apr/avr 1998** HU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TWO–PART MULTIFUNCTIONAL CLOSING SYSTEM FOR TUBES
• ELEMENT DE FERMETURE MULTIFONCTIONNEL A DEUX PARTIES, DESTINE A DES TUBES

(71, 72) **PLESA, László** [HU/HU]; György utca 9, H–2000 Szentendre (HU).

(74) **KORMOS, Ágnes**; Váci út 78/b, H–1133 Budapest (HU).

(81) CA CH CN (Utility model / modèle d'utilité) CZ (Utility model / modèle d'utilité) DE (Utility model / modèle d'utilité) DK (Utility model / modèle d'utilité) ES (Utility model / modèle d'utilité) FI (Utility model / modèle d'utilité) GB HR IL JP (Utility model / modèle d'utilité) KR (Utility model / modèle d'utilité) LU MX (Utility model / modèle d'utilité) NO PL (Utility model / modèle d'utilité) PT (Utility model / modèle d'utilité) RO RU (Utility model / modèle d'utilité) SE SG SI SK (Utility model / modèle d'utilité) TR (Utility model / modèle d'utilité) UA (Utility model / modèle d'utilité) US YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65D 52/00**

(11) **WO 99/54224** (13) A2

(21) PCT/FR99/00889

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fr (26) fr

(30) 98/04868 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CELLULAR PLASTIC PACKAGING CONTAINER AND ASSEMBLY COMPRISING SUCH A CONTAINER AND ITS LID
• BAC DE CONDITIONNEMENT EN MATIERE PLASTIQUE ALVEOLAIRE ET ENSEMBLE COMPRENANT UN TEL BAC ET SON COUVERCLE

(71) **KAYSERSBERG PACKAGING** [FR/FR]; 11, route Industrielle, F–68320 Kunheim (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MAILLOT, Guillaume** [FR/FR]; 7, clos des Mûries, F–68000 Colmar (FR). **BEDEZ, Gilles** [FR/FR]; 7, rue des Aulnes, F–68650 Lapoutroie (FR). **BAUMANN, Daniel** [FR/FR]; 3, rue de Turckheim, F–68374 Wintzenheim (FR). **HECKLY, Lucien** [FR/FR]; 9, rue des Potiers, F–68240 Kientzheim (FR). **BEIGUE, Gérard** [FR/FR]; 3, rue des Prés, F–68040 Ingersheim (FR).

(74) **MONCHENY, Michel**; Cabinet Lavoix, 2, place d'Estiennes d'Orves, F–75441 Paris Cedex 09 (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 71/00**

(11) **WO 99/54225** (13) A1

(21) PCT/PL98/00044

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(30) P.325892 **20 Apr/avr 1998** PL **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BOTTLE CARRIER
• PANIER PORTE–BOUTEILLES

(71, 72) **PIOTROWSKI, Zygmunt** [PL/PL]; ul. Keniga 4 m.48, PL–02–495 Warszawa (PL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 77/00**

(11) **WO 99/54226** (13) A1

(21) PCT/US98/07692

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FOOD AND BEVERAGE CARRIER
• STRUCTURE DE TRANSPORT D'ALIMENTS ET DE BOISSONS

(71, 72) **CUTLER, Donna** [US/US]; 135 10th Avenue, Kirkland, WA 98033 (US). **LINDSTROM, Per–Axel** [US/US]; P.O. Box 9848, Seattle, WA 98109–1848 (US). **CARMICHAEL, Joseph** [US/US]; 15333 61st Place N.E., Bothell, WA 98011 (US).

(74) **GRIFFITHS, Paul, L.**; P.O. Box 935, Monroe, CT 06468–0935 (US).

(81) AL AU BB BG BR CA CN CZ EE GE HU IL IS JP KP KR KZ LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK TR TT UA UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **B65D 77/06, 88/74, 88/62, 90/02, 85/80, F25D 17/02, 23/06**

(11) **WO 99/54227** (13) A1

(21) PCT/AU99/00286

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) PP 3021 **17 Apr/avr 1998** AU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LIQUID STORAGE CELL AND HEAT EXHANGE APPARATUS
• UNITE DE STOCKAGE DE LIQUIDES ET ECHANGEUR THERMIQUE

(71, 72) **WARD, Dale, Cameron** [AU/AU]; 11 Oxford Road, Scone, NSW 2337 (AU).

(74) **SMEATON, Anthony, R.** et al. / etc.; Davies Collison Cave, Level 10, 10 Barrack Street, Sydney, NSW 2000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 81/02, 81/38**

(11) **WO 99/54228** (13) A1

(21) PCT/NO99/00129

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 19981778 **21 Apr/avr 1998** NO **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INSULATED BOX
• BOITE ISOLEE

(71) **NORDIC PACKAGING GROUP AS** [NO/NO]; Vestengveien 40, N–1703 Sarpsborg (NO).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDERSEN, Bjørn, Aage** [NO/NO]; Linneaveien 2, N–1663 Rolfsøy (NO).

(74) **ONSAGERS PATENTKONTOR – DEFENSOR AS**; P.O. Box 265 Sentrum, N–0103 Oslo (NO).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 81/32**

(11) **WO 99/54229** (13) A1

(21) PCT/EP99/02592

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 98107357.0 **22 Apr/avr 1998** EP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TWO–COMPARTMENT CONTAINER FOR AND METHOD OF ADMIXING A FLAVOUR TO A BEVERAGE
• RECIPIENT A DEUX COMPARTIMENTS ET PROCEDE AFFERENT DE MELANGE D'UN AROME A UNE BOISSON

(71) **SCHMALBACH–LUBECA AG** [DE/DE]; Kaiserswerther Strasse 115, D–40880 Ratingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REICHINGER, Richard** [GB/GB]; 3 Minster Court, Liverpool L7 3QB (GB).

(74) **OLGEMÖLLER, Luitgard** et al. / etc.; Leonhard Olgemöller Fricke, Postfach 100 957, D–80083 München (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 83/42, 83/54**

(11) **WO 99/54230** (13) A1

(21) PCT/JP99/01884

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 10/110267 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISPENSING VALVE FOR AN AEROSOL–TYPE CONTAINER ENABLING GASEOUS FLUID RECHARGING
• SOUPAPE DE DISTRIBUTION POUR RECIPIENT DE TYPE AEROSOL PERMETTANT LA RECHARGE DE FLUIDES GAZEUX

(71) **UNISIA JECS CORPORATION** [JP/JP]; 1370, Onna, Atsugi–shi, Kanagawa 243–8510 (JP). **DOTT LIMITED COMPANY** [JP/JP]; 5–3, Fujimigaoka, Tsuzuki–ku, Yokohama–shi, Kanagawa 224–0051 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TSUTSUI, Tatsuo** [JP/JP]; Unisia Jecs Corporation, 1370, Onna, Atsugi–shi, Kanagawa 243–8510 (JP). **YANAGAWA, Akira** [JP/JP]; Dott Limited Company, 5–3, Fujimigaoka, Tsuzuki–ku, Yokohama–shi, Kanagawa 224–0051 (JP).

(74) **SHIGA, Fujiya**; Shiga Patent Office, Ekisaikai Building, 1–29, Akashi–cho, Chuo–ku, Tokyo 104–0044 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65D 85/48**

(11) **WO 99/54231** (13) A1

(21) PCT/US99/08629

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,165 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BLISTER PACKAGE WITH EASY TEAR BLISTER
• PLAQUETTE ALVEOLAIRE A OUVERTURE FACILE

(71) **PINNACLE INTELLECTUAL PROPERTY SERVICES–INTERNATIONAL, INC.** [US/US]; Suite 260, 2030 East Flamingo Road, Paradise Valley, NV 89119 (US).

(72) **ARNOLD, William**; 4248 Marie Circle, Coylestown, PA 18901 (US).

(74) **STEFFENSMEIER, Michael, D.**; Cardinal Health, Inc., 5555 Glendon Court, Dublin, OH 43016 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 85/50**

(11) **WO 99/54232** (13) A1

(21) PCT/AU99/00270

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) PP 3080 **20 Apr/avr 1998** AU **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTAINER SYSTEMS FOR FLORAL ARRANGEMENTS
• SYSTEMES DE RECIPIENTS POUR ARRANGEMENTS FLORAUX

(71) **BETTY McDOWELL (AUST.) PTY. LTD.** [AU/AU]; 17–19 Audrey Avenue, Coburg, VIC 3058 (AU).

(72) **KEATING, Kevin**; 5 Torrington Place, Canterbury, VIC 3124 (AU).

(74) **HIND, Raymond, Stenton** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AU CA JP NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65D 88/16**

(11) **WO 99/54233** (13) A2

(21) PCT/US99/08738

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,115 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHODS FOR TRANSPORTING BULK BAGS AND DISPENSING MATERIAL THEREFROM
• DISPOSITIF ET PROCEDE POUR LE TRANSPORT DE SACS DE MATERIAU EN VRAC ET LA DISTRIBUTION DE MATERIAU A PARTIR DE CES SACS

(71) **BULK MIXER, INC.** [US/US]; 1420 One American Place, Baton Rouge, LA 70825 (US).

(72) **WHITLATCH, Blake**; 6067 Chateau Loire, Mandeville, LA 70448 (US). **SWEAT, Dick, C.**; 2945 S. Magnolia, Livingston, LA 70754 (US).

(74) **SIEBERTH, John, F.** et al. / etc.; 2924 Brakley Drive, Suite A–1, Baton Rouge, LA 70816 (US).

(81) CA GB NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65D 88/60, F16L 59/04**

(11) **WO 99/54234** (13) A1

(21) PCT/FI99/00049

(22) **25 Jan/jan 1999 (25.01.1999)**

(25) fi (26) en

(30) 980852 **17 Apr/avr 1998** FI **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR TREATMENT OF BLOWABLE THERMAL INSULATION
• PROCEDE ET APPAREIL DE TRAITEMENT D'UN ISOLANT THERMIQUE SOUFFLABLE

(71) **TERMEX–ERISTE OY** [FI/FI]; Pl 34, FIN–43101 Saarijärvi (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAUTIAINEN, Keijo** [FI/FI]; Kuusitie 2 D, FIN–43100 Saarijärvi (FI).

(74) **KANGASMÄKI, Reijo**; Finnish Patent Consulting FPC, Hermiankatu 14, FIN–33720 Tampere (FI).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 88/78, E02D 23/00, 23/02**

(11) **WO 99/54235** (13) A1

(21) PCT/US99/08350

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,536 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 09/102,596 **22 Jun/juin 1998** US **(22.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MODULAR MARITIME DOCK DESIGN
• CONCEPTION MODULAIRE DE DOCK MARITIME

(71) **VALUEQUEST, INC.** [US/US]; Suite 100, 75 Fernwood Drive, San Francisco, CA 94127–2003 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOPPER, Mark, A.** [US/US]; Valuequest, Inc., Suite 100, 75 Fernwood Drive, San Francisco, CA 94127 (US).

(74) **VILLENEUVE, Joseph, M.**; Beyer & Weaver, LLP, P.O. Box 61059, Palo Alto, CA 94306 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65D 90/50**

(11) **WO 99/54236** (13) A1

(21) PCT/EP99/02517

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 298 07 285.8 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLAT–BOTTOMED TANK AND METHOD FOR FITTING IT WITH A LEAK–PROOF COATING
• RESERVOIR A FOND PLAT ET SON PROCEDE D'EQUIPEMENT AVEC UN REVETEMENT ANTIFUITE

(71) **UTEK UMWELTSCHUTZTECHNOLOGIEN GMBH** [DE/DE]; Einsteinstrasse, D–06875 Oranienbaum (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PIEHLER, Andreas** [DE/DE]; Amselweg 26, D–06849 Dessau (DE).

(74) **TRAGSDORF, Bodo**; Heinrich–Heine–Strasse 3, D–06844 Dessau (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65F**

(11) **WO 99/54237** (13) A2

(21) PCT/IB99/00716

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) it (26) en

(30) TO98A000341 **22 Apr/avr 1998** IT **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND/OR DEVICE FOR HANDLING WASTE COLLECTION CONTAINERS
• SYSTEME ET/OU DISPOSITIF DE MANUTENTION DE POUBELLES

(71) **NORD ENGINEERING DI ARMANDO LODOVICO & C.S.N.C.** [IT/IT]; Via Statuto, 10, I–12100 Cuneo (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARMANDO, Lodovico** [IT/IT]; Via Rifreddo, 31, I–12081 Beinette (IT). **ARMANDO, Massimo** [IT/IT]; Via del Corvo, 33, Fraz. S. Benigno, I–12100 Cuneo (IT).

(74) **DINI, Roberto**; Via Castagnole, 59, I–10060 None (IT).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65G 1/04**

(11) **WO 99/54238** (13) A1

(21) PCT/FR99/00926

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) fr (26) fr

(30) 98/05281 **22 Apr/avr 1998** FR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR AUTOMATICALLY STORING BIOLOGICAL OR CHEMICAL SAMPLES
• DISPOSITIF DE STOCKAGE AUTOMATIQUE POUR ECHANTILLONS BIOLOGIQUES OU CHIMIQUES

(71) **GROUPE INDUSTRIEL DE REALISATIONS ET APPLICATIONS (GIRA)** [FR/FR]; Zone Industrielle de Berlanne, Rue des Bruyères, F–64160 Morlaas (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JUNCA, Serge** [FR/FR]; F–64350 Maspie (FR).

(74) **CABINET CHAMBON**; 16, boulevard d'Ormesson, F–95880 Enghien Les Bains (FR).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65G 17/38**

(11) **WO 99/54239** (13) A1

(21) PCT/EP99/02357

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) de (26) de

(30) 198 17 125.0 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONVEYOR CHAIN
• CHAINE TRANSPORTEUSE

(71) **INTERROLL HOLDING AG** [CH/CH]; Zone Industriale, CH–6592 San Antonino (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPECHT, Dieter** [CH/CH]; Via Livurcio, 78, CH–6618 Arcegno (CH).

(74) **RUTETZKI, Andreas**; Müller–Boré & Partner, Grafinger Strasse 2, D–81671 München (DE).

(81) CA JP SG US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B65G 19/14 // B65B 37/16**

(11) **WO 99/54240** (13) A1

(21) PCT/FI99/00317

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 980886 **22 Apr/avr 1998** FI **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS FOR CONVEYING BULK MATERIAL
• APPAREIL DE TRANSPORT D'UN MATERIAU EN VRAC

(71) **BMH WOOD TECHNOLOGY OY** [FI/FI]; Kaivopuistontie 31, FIN–26101 Rauma (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LINNALA, Timo** [FI/FI]; Mäyräpolku 4 B, FIN–26200 Rauma (FI).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (FI).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(a)*

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(51)[6] **B65G 39/02**

(11) **WO 99/54241** (13) A1

(21) PCT/EP99/02542

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 126.9 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DRIVING ROLL
• ROULEAU D'ENTRAINEMENT

(71) **INTERROLL HOLDING AG** [CH/CH]; Zona Industriale, CH–6592 San Antonino (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPECHT, Dieter** [CH/CH]; Via Livurcio 78, CH–6618 Arcegno (CH).

(74) **RUTETZKI, Andreas**; Müller–Boré & Partner, Grafinger Strasse 2, D–81671 München (DE).

(81) CA JP SG US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B65G 69/28 // B60P 1/43**

(11) **WO 99/54242** (13) A1

(21) PCT/SE99/00594

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) sv (26) en

(30) 9801339–4 **17 Apr/avr 1998** SE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PORTABLE RAMP
• RAMPE PORTABLE

(71, 72) **LAGERGREN–JULANDER, Anita** [SE/SE]; Grindstugan, Skogsberga, S–187 75 Täby (SE).

(74) **SUNDSTRÖM, Per** et al. / etc.; Stenhagen Patentbyrå AB, P.O. Box 4630, S–116 91 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65H 1/00**

(11) **WO 99/54243** (13) A1

(21) PCT/US99/08419

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,216 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PREFEEDER ASSEMBLY
• ENSEMBLE DE PREALIMENTATION

(71) **ASC MACHINE TOOLS, INC.** [US/US]; North 900 Fancher Road, P.O. Box 11619, Spokane, WA 99211 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GERST, Michael, D.** [US/US]; 312 N. Perry, East Wenatchee, WA 98802 (US). **DRAKE, Jon, P.** [US/US]; 28013 Bearlake Road, Chattaroy, WA 99003 (US).

(74) **MCCARTHY, Bill, D.** et al. / etc.; Crowe & Dunlevy, 1800 Mid–America Tower, 20 North Broadway, Oklahoma City, OK 73102–8273 (US).

(81) GB US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B65H 29/02, 29/60, B65G 9/00**

(11) **WO 99/54244** (13) A1

(21) PCT/CH99/00151

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 893/98 **20 Apr/avr 1998** CH **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESSING SYSTEM FOR PROCESSING PIECE GOODS
• SYSTEME DE TRAITEMENT POUR TRAITER DES COLIS

(71) **FERAG AG** [CH/CH]; Zürichstrasse 74, CH–8340 Hinwil (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REIST, Walter** [CH/CH]; Schönenbergstrasse 16, CH–8340 Hinwil (CH).

(74) **FREI PATENTANWALTSBÜRO**; Postfach 768, CH–8029 Zürich (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B65H 35/00, 37/00**

(11) **WO 99/54245** (13) A1

(21) PCT/US99/08831

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,565 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TAPE DISPENSER
• DEVIDOIR DE BANDE ADHESIVE

(71) **3M INNOVATIVE PROPERTIES COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **PACKARD, Joy, A.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **DUNSHEE, Wayne, K.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **BAUER, Stephen, W.** et al. / etc.; 3M Innovative Properties Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **B65H 37/00**

(11) **WO 99/54246** (13) A1

(21) PCT/EP99/02546

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 16 925.6 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HAND–HELD APPARATUS FOR TRANSFERRING A FILM FROM A CARRIER TAPE ONTO A SUBSTRATE
• APPAREIL A MAIN PERMETTANT DE TRANSFERER SUR UN SUBSTRAT UN FILM APPLIQUE SUR UNE BANDE SUPPORT

(71) **BIC DEUTSCHLAND GMBH & CO.** [DE/DE]; Rossertstrasse 6, D–65835 Liederbach (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SEMMLER, Georg** [DE/DE]; Hasengartenstrasse 36a, D–65189 Wiesbaden (DE).

(74) **RUPP, Christian**; Mitscherlich & Partner, Sonnenstrasse 33, D–80331 München (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65H 39/11**

(11) **WO 99/54247** (13) A1

(21) PCT/US99/08537

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,594 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/266,964 **12 Mar/mar 1999** US **(12.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADJUSTABLE MAILBOX CAPACITY FOR NETWORK PRINTER SYSTEM
• CAPACITE DE BOITE A LETTRES AJUSTABLE POUR SYSTEME D'IMPRESSION EN RESEAU

(71) **LEXMARK INTERNATIONAL, INC.** [US/US]; 740 West New Circle Road, Lexington, KY 40550 (US).

(72) **D'ALESSANDRO, Kathy, Scott**; 106 Spoonbill Court, Georgetown, KY 40324 (US). **GARR, Charles, Michael**; 1813 Farmview Drive, Lexington, KY 40515 (US). **YOHON, Edward, William, Jr.**; 1321 Corona Drive, Lexington, KY 40514 (US).

(74) **LAMBERT, D., Brent**; Lexmark International, Inc., 740 West New Circle Road, Lexington, KY 40550 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B65H 75/34 // H02G 11/02**

(11) **WO 99/54248** (13) A1

(21) PCT/SE99/00619

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) sv (26) en

(30) 9801395–6 **21 Apr/avr 1998** SE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A DEVICE FOR HANDLING OF A HOSE
• DISPOSITIF DE MANIPULATION DE TUYAU

(71, 72) **ROSENQVIST, Kurt** [SE/SE]; P.O. Box 5106, S–311 05 Vinberg (SE).

(74) **NILSSON, Lennart**; Lennart Nilsson Patentbyrå AB, P.O. Box 271, S–311 23 Falkenberg (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **B66F 9/065, 9/075**

(11) **WO 99/54249** (13) A1

(21) PCT/IE99/00026

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 98650024.7 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSPORTABLE LIFT TRUCK WITH TELESCOPIC LIFTING ARM
• CHARIOT ELEVATEUR TRANSPORTABLE, A BRAS DE LEVAGE TELESCOPIQUE

(71) **LIFTCON TECHNOLOGIES LIMITED** [IE/IE]; Smithstown Industrial Estate, Shannon, County Clare (IE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **McINERNEY, James, J.** [IE/IE]; The Lodge House, Ballinooskny, Newmarket–on–Fergus, County Clare (IE). **McINERNEY, James, P.** [IE/IE]; The Lodge House, Ballinooskny, Newmarket–on–Fergus, County Clare (IE).

(74) **MACLACHLAN & DONALDSON**; 47 Merrion Square, Dublin 2 (IE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **B67D**

(11) **WO 99/54250** (13) A2

(21) PCT/US99/08404

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,220 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WATER COOLER AND DISPENSER
• RAFRAICHISSEUR ET DISTRIBUTEUR D'EAU

(71) **HOME PURE L.L.C.** [US/US]; Suite B, 887 Hampshire Road, Stow, OH 44224 (US).

(72) **KALMAN, Jeffrey, M.**; 1849 Cadwell Avenue, Cleveland Heights, OH 44118 (US). **McCARTHY, Richard, O.**; 10742 Springfield Circle, Strongsville, OH 44136 (US). **NOTTINGHAM, John, R.**; 38075 Fairmount Boulevard, Hunting Valley, OH 44022 (US). **PLANTZ, Jeffrey, S.**; 196 East Ridgewood Drive, Seven Hills, OH 44131 (US). **SPIRK, John, W.**; 7890 Brigham Road, Gates Mills, OH 44040 (US).

(74) **LONGMUIR, Jeanne, E.** et al. / etc.; Calfee, Halter & Griswold LLP, 1400 McDonald Investment Center, 800 Superior Avenue, Cleveland, OH 44114–2688 (US).

(81) CA MX NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **B67D 1/04, 3/00**

(11) **WO 99/54251** (13) A1

(21) PCT/SE99/00652

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) sv (26) en

(30) 9801416–0 **22 Apr/avr 1998** SE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRESSURE CONTAINER FOR BATCH GASIFICATION OF LIQUID
• RECIPIENT SOUS PRESSION DESTINE A LA GAZEIFICATION DE LIQUIDE PAR LOTS

(71) **DRINKIT INTERNATIONAL AB** [SE/SE]; Hagsvängen 6, S–645 41 Strängnäs (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LÖÖV, Thorsten** [SE/SE]; Villa Sjönära, S–645 93 Strängnäs (SE).

(74) **KRANSELL & WENNBORG AB**; P.O. Box 27834, S–115 93 Stockholm (SE).

(81) AU BR CA CN CZ HU IL IN JP KR MX NO NZ PL RU US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B67D 1/04, 1/08**

(11) **WO 99/54252** (13) A1

(21) PCT/SE99/00653

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) sv (26) en

(30) 9801417–8 **22 Apr/avr 1998** SE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN ARRANGEMENT FOR BATCH GASIFICATION LIQUID
• DISPOSITIF POUR GAZEIFICATION DE LIQUIDE PAR LOT

(71) **DRINKIT INTERNATIONAL AB** [SE/SE]; Hagsvängen 6, S–645 41 Strängnäs (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LÖÖV, Thorsten** [SE/SE]; Villa Sjönära, S–645 93 Strängnäs (SE).

(74) **KRANSELL & WENNBORG AB**; P.O. Box 27834, S–115 93 Stockholm (SE).

(81) AU BR CA CN CZ HU IL IN JP KR MX NO NZ PL RU US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **B67D 5/40**

(11) **WO 99/54253** (13) A1

(21) PCT/US99/08288

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/064,321 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MODULAR SUPPORT FOR PUMPS
• SUPPORT MODULAIRE POUR POMPES

(71) **SHURFLO PUMP MANUFACTURING CO.** [US/US]; 12650 Westminster Avenue, Santa Ana, CA 92706–2100 (US).

(72) **FILIPEK, Gregory, C.**; 9282 Marchand Avenue, Garden Grove, CA 92841 (US). **JERSEY, Steven, T.**; 28805 Aloma Avenue, Laguna Niguel, CA 92677 (US). **BABSON, Brian**; 30 Segura, Irvine, CA 92612 (US).

(74) **UXA, Frank, J.**; Stout, Uxa, Buyan & Mullins, LLP, Suite 300, 4 Venture, Irvine, CA 92618 (US).

(81) CN KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **C01B 15/01, 15/013**

(11) **WO 99/54254** (13) A1

(21) PCT/EP99/02627

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 794.1 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGHLY PURE AQUEOUS HYDROGEN PEROXIDE SOLUTIONS, METHOD FOR PRODUCING SAME AND THEIR USE
• SOLUTIONS DE PEROXYDE D'HYDROGENE AQUEUSES DE GRANDE PURETE, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FISCHER, Martin** [DE/DE]; Elbinger Weg 1, D–67071 Ludwigshafen (DE). **STAMMER, Achim** [DE/DE]; Buttstädter Strasse 6, D–67251 Freinsheim (DE). **QUAISER, Stefan** [DE/DE]; Chenover Strasse 11, D–67117 Limburgerhof (DE).

(74) **KINZEBACH, Werner** et al. / etc.; Ludwigsplatz 4, D–67059 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HU ID IL IN JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **C01G 49/00, C04B 35/26, H01F 1/34, H01P 1/32**

(11) **WO 99/54255** (13) A1

(21) PCT/JP99/01996

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/103194 **14 Apr/avr 1998 (14.04.1998)** JP

(30) 11/17254 **26 Jan/jan 1999 (26.01.1999)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR CONTROLLING INTERMODULATION PRODUCT OF NON–RECIPROCAL CIRCUIT ELEMENT
• PROCEDE DE REGULATION DES PRODUITS D'INTERMODULATION D'UN ELEMENT DE CIRCUIT NON RECIPROQUE

(71) **TDK CORPORATION** [JP/JP]; 1–13–1, Nihonbashi, Chuo–ku, Tokyo 103–8272 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **NUKAGA, Masako** [JP/JP]; TDK Corporation, 1–13–1, Nihonbashi, Chuo–ku, Tokyo 103–8272 (JP). **SATO, Naoyoshi** [JP/JP]; TDK Corporation, 1–13–1, Nihonbashi, Chuo–ku, Tokyo 103–8272 (JP). **HENMI, Sakae** [JP/JP]; TDK Corporation, 1–13–1, Nihonbashi, Chuo–ku, Tokyo 103–8272 (JP).

(74) **ABE, Yoshijiro**; Ubano Building, 38–6, Higashikanamachi 1–chome, Katsushika–ku, Tokyo 125–0041 (JP).

(81) CN US; EP (DE FR GB).

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(51)[6] **C02F 1/78, 11/06**

(11) **WO 99/54256** (13) A1

(21) PCT/EP99/02616

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 258.3 **20 Apr/avr 1998 (20.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR INTRODUCING OZONE INTO LIQUID MEDIA
• DISPOSITIF PERMETTANT D'INTRODUIRE DE L'OZONE DANS DES AGENTS LIQUIDES

(71, 72) **HÖLTER, Heinrich** [DE/DE]; Beisenstrasse 39–41, D–45964 Gladbeck (DE).

(74) **SPALTHOFF, Adolf** et al. / etc.; Haumannplatz 4, D–45130 Essen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C02F 7/00, B01D 1/00, B09B 1/00, 3/00, A62D 3/00, G21F 9/00**

(11) **WO 99/54258** (13) A1

(21) PCT/US99/08579

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/062,838 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOIL AND/OR GROUNDWATER REMEDIATION PROCESS
• PROCEDE DE MESURES PALLIATIVES POUR EAUX USEES ET/OU EAUX SOUTERRAINES

(71, 72) **GREENBERG, Richard, S.** [US/US]; 3 Tall Oaks Court, Mendham, NJ 07945 (US).

(74) **KIPNES, Allen, R.**; Watov & Kipnes, P.C., P.O. Box 247, Princeton Junction, NJ 08550 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C02F 5/08, 5/12, 5/14, C01F 7/16**

(11) **WO 99/54257** (13) A1

(21) PCT/US99/08621

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,448 **20 Apr/avr 1998 (20.04.1998)** US

(30) 60/104,203 **14 Oct/oct 1998 (14.10.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INORGANIC COMPOSITION, PROCESS OF PREPARATION AND METHOD OF USE
• COMPOSITION NON ORGANIQUE, SON PROCEDE DE PREPARATION, ET SES MODES D'UTILISATION

(71) **CALGON CORPORATION** [US/US]; 5400 Campbells Run Road, Pittsburgh, PA 15230 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HASSICK, Denis, E.** [US/US]; 1326 Hillsdale Drive, Monroeville, PA 15146 (US). **FLAHERTY, Michael, P.** [US/US]; 2606 Timberglen Drive, Imperial, PA 15126 (US). **DOTTAR, Pamela** [US/US]; 1867 Crafton Boulevard, Pittsburgh, PA 15205 (US). **GUERRINI, Robert, J.** [US/US]; 1542 McIntosh Drive, Aliquippa, PA 15001 (US).

(74) **BALDAUF, Kent, E., Jr.** et al. / etc.; Webb Ziesenheim Logsdon Orkin & Hanson, P.C., 700 Koppers Building, 436 Seventh Avenue, Pittsburgh, PA 15219–1818 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C03B 8/04, 20/00**

(11) **WO 99/54259** (13) A1

(21) PCT/US99/08777

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,710 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS FOR MAKING ULTRA–LOW EXPANSION SILICA–TITANIA GLASSES
• PROCEDES DE FABRICATION DE VERRES EN SILICE–ANHYDRIDE TITANIQUE A EXPANSION ULTRA FAIBLE

(71) **CORNING INCORPORATED** [US/US]; Corning, NY 14831 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MAXON, John, E.** [US/US]; 17 Wells Street, Canton, NY 13617 (US). **PAVLIK, Robert, Stephen, Jr.** [US/US]; 110 West Third Street, Corning, NY 14830 (US).

(74) **KLEE, Maurice, M.**; 1951 Burr Street, Fairfield, CT 06430 (US).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C03B 9/33, 9/31, 11/14**

(11) **WO 99/54260** (13) A1

(21) PCT/IT99/00094

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) it (26) en

(30) PR98A000022 **23 Apr/avr 1998** IT **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR AUTOMATICALLY MANUFACTURING GLASS CONTAINERS WITH FEET, BASES OR OTHER DECORATIVE ELEMENTS, AND CONTAINERS THUS OBTAINED
• PROCEDE DE FABRICATION AUTOMATIQUE DE RECIPIENTS EN VERRE COMPRENANT DES PIEDS, DES BASES OU D'AUTRES ELEMENTS DECORATIFS, ET RECIPIENTS AINSI PRODUITS

(71) **BORMIOLI ROCCO & FIGLIO S.p.A.** [IT/IT]; Via San Leonardo, 41, I–43100 Parma (IT).

(72) **DI GIUSEPPANTONIO, Vincenzo**; Via Berenini, 67, I–43036 Fidenza (IT).

(74) **DALLAGLIO, Fabrizio**; Bugnion S.p.A., Via Garibaldi, 22, I–43100 Parma (IT).

(81) TR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C03B 37/005, C08K 3/00, C04B 35/00**

(11) **WO 99/54261** (13) A1

(21) PCT/UA98/00006

(22) **20 Apr/avr 1998 (20.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MINERAL FLAKY FILLER FOR COMPOSITES
• CHARGE FLOCONNEUSE MINERALE POUR COMPOSITES

(71, 72) **EFANOVA, Vera Vasilyevna** [UA/UA]; Apartment 284, 40a Geroyev Dnepra Street, Kiev, 254214 (UA).

(74) **KOUTSEVICH, Valery Ludvikovich**; Apartment 81, 13 Polarnaya Street, Kiev, 254201 (UA).

(81) AU BG BR CA CN CZ FI HU ID IL JP KR LK LT LV MK MN MX NZ PL RO RU SG SI SK TR US VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **C03C 8/02, 8/08, 8/14, C23D 5/00**

(11) **WO 99/54262** (13) A1

(21) PCT/EP99/01387

(22) **26 Feb/fév 1999 (26.02.1999)**

(25) en (26) en

(30) 98107049.3 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PORCELAIN ENAMEL FOR ALUMINIZED STEEL
• EMAIL POUR ACIER ALUMINIE

(71) **FERRO FRANCE – S.A.R.L.** [FR/FR]; 43, rue Jeanne d'Arc, F–52115 Saint Dizier Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SOUCHARD, Thierry** [FR/FR]; 17, rue des Côtes Noires, F–52100 Moeslains (FR). **ARONICA, Alain** [FR/FR]; Imm. Liez – App. 11, 1, rue Paul Cezanne, F–52100 Saint Dizier (FR).

(74) **SÖLLNER, Udo**; Reinhardt Söllner Ganahl, Hausen 5b, D–85551 Kirchheim (DE).

(81) BR CA CN JP MX US.

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(51)[6] **C04B 24/12, 24/24, 24/28, 28/14**

(11) **WO 99/54263** (13) A2

(21) PCT/EP99/03208

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 112.9 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WATER–RESISTANT HYDRAULICALLY SETTING COMPOSITIONS
• COMPOSITIONS A PRISE HYDRAULIQUE RESISTANT A L'EAU

(71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D–40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KLEIN, Johann** [DE/DE]; Urdenbacher Acker 20a, D–40593 Düsseldorf (DE). **KLAUCK, Wolfgang** [DE/DE]; Dresdener Strasse 12, D–40670 Meerbusch (DE). **SCHILLING, Gaby** [DE/DE]; Bilker Allee 43, D–40219 Düsseldorf (DE). **SATTLER, Hans–Peter** [DE/DE]; Kupferberg 54, D–59174 Kamen (DE). **FANDEL, Thomas** [DE/DE]; Pappelweg 5, D–59423 Unna (DE).

(81) AU BR CA JP PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C04B 28/04, 24/02, 24/32 // 103:30, 103:32, E01C 23/00**

(11) **WO 99/54264** (13) A1

(21) PCT/JP99/02011

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/124166 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONCRETE FOR JOINTING AND METHOD OF JOINTING USING SAID CONCRETE
• BETON DE JOINTEMENT ET PROCEDE DE JOINTEMENT FAISANT APPEL A CE BETON

(71) **NEW TOKYO INTERNATIONAL AIRPORT AUTHORITY** [JP/JP]; 24, Aza Kamidai, Kinone, Narita–shi, Chiba 282–8601 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ABE, Yoichi** [JP/JP]; New Tokyo International Airport Authority, 2015–3, Aza Ohfukurodai, Iwayama, Shibayamamachi, Sanbu–gun, Chiba 289–1608 (JP). **KAMETA, Shoichi** [JP/JP]; New Tokyo International Airport Authority, 2015–3, Aza Ohfukurodai, Iwayama, Shibayamamachi, Sanbu–gun, Chiba 289–1608 (JP). **SATO, Ryoichi** [JP/JP]; Utsunomiya University, 1–2, Yoto 7–chome, Utsunomiya–shi, Tochigi 321–8585 (JP). **TANAKA, Satoshi** [JP/JP]; Central Research Laboratory (Sakura), Taiheiyo Cement Corporation, 4–2, Ohsaku 2–chome, Sakura–shi, Chiba 285–0802 (JP). **TOMITA, Rokuro** [JP/JP]; Central Research Laboratory (Sakura), Taiheiyo Cement Corporation, 4–2, Ohsaku 2–chome, Sakura–shi, Chiba 285–0802 (JP).

(74) **SUZUKI, Hitoshi**; Nakano JM Building, 5th floor, 28–1, Nakano 2–chome, Nakano–ku, Tokyo 164–0001 (JP).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C04B 28/14, 40/00 // (C04B 28/14, 14:10, 24:38) (C04B 28/14, 14:10, 24:26) (C04B 28/14, 14:10, 14:32)**

(11) **WO 99/54265** (13) A1

(21) PCT/GB99/01198

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808339.7 **20 Apr/avr 1998** GB **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GYPSUM PLASTER
• PLATRE A GYPSE

(71) **BPB PLC** [GB/GB]; Langley Park House, Uxbridge Road, Slough SL3 6DU (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUKEVICH, Lydia** [CA/CA]; 2395 Speakman Drive, Mississauga, Ontario L5K 1B3 (CA). **MAYER, Peter** [CA/CA]; 2424 Lakeshore Road West, Mississauga, Ontario L5J 1K4 (CA). **DAVIES, Jason** [GB/GB]; Hazeltone, Thornton, Milford Haven, Pembrokeshire SA7 3UD (GB).

(74) **MARLOW, N., S.**; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C04B 35/01, A61L 31/00, A61N 1/05**

(11) **WO 99/54266** (13) A1

(21) PCT/SE99/00644

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9801403–8 **22 Apr/avr 1998 (22.04.1998)** SE

(30) 9801405–3 **22 Apr/avr 1998 (22.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BIOCOMPATIBLE MATERIAL FOR IMPLANTS
• MATERIAU BIOCOMPATIBLE POUR IMPLANTS

(71) **PACESETTER AB** [SE/SE]; S–175 84 Järfälla (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NILSSON, Kenth** [SE/SE]; Trälhavsvägen 42, S–184 60 Åkersberga (SE). **LIDMAN, Johan** [SE/SE]; Krukmakargatan 63, S–117 41 Stockholm (SE). **LJUNGSTRÖM, Karin** [SE/SE]; Markviksvägen 24 A, S–165 59 Hässelby (SE). **KJELLMAN, Charlotte** [SE/SE]; Värtavägen 31, S–115 29 Stockholm (SE).

(74) **PACESETTER AB**; Patent Dept., S–175 84 Järfälla (SE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C05C 9/02**

(11) **WO 99/54267** (13) A2

(21) PCT/CA99/00298

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/061,265 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GRANULATION METHOD OF UREA CONTAINING FERTILIZER
• PROCEDE DE GRANULATION DE FERTILISANT CONTENANT DE L'UREE

(71) **AIRBORNE INDUSTRIAL MINERALS INC.** [CA/CA]; #205–6223–2nd Street, S.E., Calgary, Alberta T2H 1J5 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PHINNEY, Robin** [CA/CA]; #205–6223–2nd Street, S.E., Calgary, Alberta T2H 1J5 (CA).

(74) **SHARPE, Paul**; Marks & Clerk, P.O. Box 957, Station B, Ottawa, Ontario K1P 5S7 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C05F 11/08, 3/00, C02F 3/00**

(11) **WO 99/54268** (13) A1

(21) PCT/US99/08725

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) Not furnished / non communiqué **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR REMOVING ORGANIC WASTE FROM WATER, EFFLUENT AND SLUDGE
• PROCEDE ET DISPOSITIF D'ELIMINATION DES DECHETS ORGANIQUES DANS L'EAU, LES EFFLUENTS ET LES BOUES

(71) **GLOBAL UNITED, INC.** [US/US]; P.O. Box 274, Zelienople, PA 16063 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JÖCHLE, Wolfgang** [US/US]; 10 Old Boonton Road, Denville, NJ 07834 (US). **CHARLES, Scott** [US/US]; P.O. Box 274, Zelienople, PA 16063 (US). **BOENSCH, Thilo** [DE/US]; P.O. Box 274, Zelienople, PA 16063 (US).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C05F 17/02**

(11) **WO 99/54269** (13) A1

(21) PCT/US99/08653

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,529 **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BIO–CATALYTIC OXIDATION REACTOR
• REACTEUR D'OXYDATION BIOCATALYTIQUE

(71) **LIFELINE ENTERPRISES, L.L.C.** [US/US]; 1352 West 11940 South, Riverton, UT 84065 (US).

(72) **ROBERTS, Gary, Dean**; 1352 West 11940 South, Riverton, UT 84065 (US). **ROBERTS, Verlin, Jay**; 1295 Lanark Lane, Ovid, ID 83254 (US).

(74) **WESTERN, M., Wayne** et al. / etc.; Thorpe, North & Western, LLP, P.O. Box 1219, Sandy, UT 84091–1219 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C06D 5/00, C06B 23/02, B60R 21/26, B01D 53/34**

(11) **WO 99/54270** (13) A1

(21) PCT/JP99/00680

(22) **17 Feb/fév 1999 (17.02.1999)**

(25) ja (26) ja

(30) 10/109432 **20 Apr/avr 1998 (20.04.1998)** JP

(30) 10/170860 **18 Jun/juin 1998 (18.06.1998)** JP

(30) 10/320269 **11 Nov/nov 1998 (11.11.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF REDUCING NO_x
• PROCEDE DE REDUCTION DE NO_x

(71) **DAICEL CHEMICAL INDUSTRIES, LTD.** [JP/JP]; 1, Teppo–cho, Sakai–shi, Osaka 590–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMATO, Yo** [JP/JP]; 940, Shinzaike, Aboshi–ku, Himeji–shi, Hyogo 671–1234 (JP). **YAMAZAKI, Masayuki** [JP/JP]; 500–342, Kamiyobe, Yobe–ku, Himeji–shi, Hyogo 671–1262 (JP).

(74) **FURUYA, Kaoru** et al. / etc.; Nihonbashi TM Building, 1–8–11, Nihonbashi–Horidomecho, Chuo–ku, Tokyo 103–0012 (JP).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 31/137, 31/27, 35/37, 29/143, 29/147, 43/196, 41/26**

(11) **WO 99/54271** (13) A1

(21) PCT/JP99/02110

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/128296 **21 Apr/avr 1998 (21.04.1998)** JP

(30) 10/285632 **7 Oct/oct 1998 (07.10.1998)** JP

(30) 11/72669 **17 Mar/mar 1999 (17.03.1999)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADAMANTANEMETHANOL DERIVATIVES AND PROCESS FOR THE PREPARATION THEREOF
• DERIVES D'ADAMANTANEMETHANOL ET PROCEDE DE PREPARATION DE CES DERNIERS

(71) **DAICEL CHEMICAL INDUSTRIES, LTD.** [JP/JP]; 1, Teppo–cho, Sakai–shi, Osaka 590–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKANO, Tatsuya** [JP/JP]; 6–20, Nakanomachi, Shinzaike, Himeji–shi, Hyogo 670–0094 (JP). **SHIMOJITOSYO, Hiroshi** [JP/JP]; 9–22, Hanakawa 2–chome, Nishiyodogawa–ku, Osaka–shi, Osaka 555–0023 (JP).

(74) **GOTO, Yukihisa**; 202, Masuda Building, 7–16, Higashitenma 2–chome, Kita–ku, Osaka–shi, Osaka 530–0044 (JP).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 49/245, 45/61**

(11) **WO 99/54272** (13) A1

(21) PCT/GB99/01082

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 9808447.8 **18 Apr/avr 1998** GB **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR THE PREPARATION OF 2–HYDROXYALKYL HALOPHENONES
• PROCEDE DE PREPARATION DE 2–HYDROXYALKYLE HALOPHENONES

(71) **AVECIA LIMITED** [GB/GB]; Hexagon House, Blackley, Manchester M9 8ZS (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MONTEITH, Michael, John** [GB/GB]; Leeds Road, P.O. Box A38, Huddersfield, West Yorkshire HD2 1FF (GB). **BAILEY, Kevin, Douglas** [GB/GB]; Leeds Road, P.O. Box A38, Huddersfield, West Yorkshire HD2 1FF (GB). **CROSBY, John** [GB/GB]; Macclesfield Works, Hurdsfield Industrial Estate, Macclesfield, Cheshire SK10 2NA (GB).

(74) **REVELL, Christopher**; Avecia Limited, Intellectual Property Group, Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 51/12, 51/56, 53/08, 53/12**

(11) **WO 99/54273** (13) A1

(21) PCT/GB99/01142

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 9808208.4 **17 Apr/avr 1998** GB **(17.04.1998)**

(30) 9812881.2 **16 Jun/juin 1998** GB **(16.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR THE PRODUCTION OF ACETIC ACID AND/OR ACETIC ANHYDRIDE
• PROCEDE DE PRODUCTION D'ACIDE ACETIQUE ET/OU D'ANHYDRIDE ACETIQUE

(71) **BP CHEMICALS LIMITED** [GB/GB]; Britannic House, 1 Finsbury Circus, London EC2M 7BA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LAW, David, John** [GB/GB]; 15 Smedley Close, Beverley, East Yorkshire HU17 0QF (GB). **LUCY, Andrew, Richard** [GB/GB]; 24 Station Road, South Cave, Brough, East Riding of Yorkshire HU15 2AA (GB). **SUNLEY, John, Glenn** [GB/GB]; 7 Gordon Park, Beck Bank, Cottingham, East Yorkshire HU16 4LF (GB).

(74) **PERKINS, Nicholas, David**; BP International Limited, Group Patents & Agreements, Chertsey Road, Sunbury–on–Thames, Middlesex TW16 7LN (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 51/235, 51/265, B01J 19/20, C07C 53/126, 53/02, 53/08, 53/122, 53/124, B01J 10/00, 19/18, 19/00, C07C 55/14, 57/32, 57/30, 63/06, 63/16, 63/24, 63/26, 59/64**

(11) **WO 99/54274** (13) A1

(21) PCT/US99/08679

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,675 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PREPARATION OF ORGANIC ACIDS
• PREPARATION D'ACIDES ORGANIQUES

(71) **UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION** [US/US]; 39 Old Ridgebury Road, Danbury, CT 06817–0001 (US).

(72) **BRAITHWAITE, John**; 4302 Stacy Street, Seabrook, TX 77586 (US). **BRYANT, David, Robert**; 1201 Shady Way, South Charleston, WV 25303 (US). **MILLER, David, James**; 1522 Dogwood Road, Charleston, WV 25314 (US). **LOGSDON, John, Earl**; 15010 Saint Cloud Drive, Houston, TX 77062 (US).

(74) **WIGGINS, Karen, Johnson**; Union Carbide Chemicals & Plastics Technology Corporation, 39 Old Ridgebury Road, Danbury, CT 06817–0001 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR KZ LC LK LR LT LV MG MK MN MX NO NZ PL RO RU SG SI SK SL TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 51/363, 57/30**

(11) **WO 99/54275** (13) A1

(21) PCT/JP99/02125

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/112031 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR PRODUCING CHLOROMETHYLPHENYLACETIC ACID
• PROCEDE DE PRODUCTION D'ACIDE CHLOROMETHYLPHENYLACETIQUE

(71) **IHARA NIKKEI CHEMICAL INDUSTRY CO., LTD.** [JP/JP]; 5700–1, Kambara, Kambara–cho, Ihara–gun, Shizuoka–ken 421–3203 (JP).
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(72, 75) **KUSAGAYA, Kimitoshi** [JP/JP]; 11–13, Ejiri–cho, Shimizu–shi, Shizuoka–ken 424–0818 (JP). **TAKAO, Yoshihiro** [JP/JP]; 4–33, Midori–cho, Shizuoka–shi, Shizuoka–ken 420–0844 (JP). **NAKAGAWA, Motoaki** [JP/JP]; 4–8–13, Kambara, Kambara–cho, Ihara–gun, Shizuoka–ken 421–3203 (JP). **MATSUZAWA, Masafumi** [JP/JP]; 15–27, Horie 6–chome, Urayasu–shi, Chiba–ken 279–0041 (JP).

(74) **IIDA, Toshizo**; Ishii Building, 3F, 1–10, Shimbashi 3–chome, Minato–ku, Tokyo 105–0004 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 67/04, 69/14**

(11) **WO 99/54276** (13) A1

(21) PCT/EP99/01942

(22) **23 Mar/mar 1999 (23.03.1999)**

(25) en (26) en

(30) 09/061,678 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TERTIARY ALKYL ESTER PREPARATION
• PREPARATION D'ALKYLESTER TERTIAIRE

(71) **ARCO CHEMICAL TECHNOLOGY, L.P.** [US/US]; Suite 238, Two Greenville Crossing, 4001 Kennett Pike, Greenville, DE 19807 (US).
(for all designated States except / pour tous les États désignés sauf MN)

(71) **LYONDELL CHEMIE TECHNOLOGIE NEDERLAND B.V.** [NL/NL]; Theemsweg 14, 3197 KM Botlek (NL).
(only for / seulement pour MN)

(72) **KARAS, Lawrence, J.**; 1010 Rock Creek Road, West Chester, PA 19380 (US).

(74) **COLMER, Stephen, Gary**; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 67/08, 69/80, 69/76, C08K 5/12**

(11) **WO 99/54277** (13) A1

(21) PCT/US99/08783

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,813 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH PERFORMANCE PLASTICIZERS FROM BRANCHED OXO ALCOHOLS
• PLASTIFIANTS A HAUT RENDEMENT OBTENUS A PARTIR D'OXO–ALCOOLS RAMIFIES

(71) **EXXON CHEMICAL PATENTS INC.** [US/US]; 5200 Bayway Drive, Baytown, TX 77520–5200 (US).

(72) **GODWIN, Allen, David**; 919 Live Oak Road, Seabrook, TX 77586 (US). **LYMAN, Dwight, McLean**; 4 Huntington Park Court, Houston, TX 77024 (US).

(74) **COLLINS, Douglas, J.** et al. / etc.; Exxon Chemical Company, P.O. Box 2149, Baytown, TX 77522–2149 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 69/92, 67/327, 67/343, 67/31, 51/373, A61K 31/235, 31/165, C07C 235/84, 63/64**

(11) **WO 99/54278** (13) A1

(21) PCT/EP99/02835

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 980100137 **16 Apr/avr 1998** GR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 1–(2–ALKOXY–5–CARBOXYPHENYL)–α,β–UNSATURATED KETONES, THEIR PREPARATION AND APPLICATION IN THERAPEUTICS
• CETONES INSATUREES 1–(2–ALCOXY–5–CARBOXYPHENYL)–α,β, ELABORATION, ET APPLICATION THERAPEUTIQUE

(71) **CORNEAL INDUSTRIE** [FR/FR]; Parc d'Activités Pré–Mairy, Boîte postale 13, F–74371 Pringy (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TSOTINIS, Andréas** [GR/GR]; 28 Rue Pontou, GR–145 65 Drossia (GR). **KALOGEROPOULOU, Theodora** [GR/GR]; 32 Rue Protéos, GR–145 64 Kifissia (GR). **ROUSSAKIS, Christos** [FR/FR]; 72, rue de l'Hermitage, F–44100 Nantes (FR). **ROUSSIS, Vassilios** [GR/GR]; 32 Rue Protéos, GR–145 64 Kifissia (GR).

(74) **LE ROUX, Martine** et al. / etc.; Cabinet Beau de Loménie, 158, rue de l'Université, F–75340 Paris Cedex 07 (FR).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 229/00, 233/01, 237/06, A61K 31/19, 31/195**

(11) **WO 99/54279** (13) A1

(21) PCT/US99/08582

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,392 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBSTITUTED AMINO ACIDS AS ERYTHROPOIETIN MIMETICS
• ACIDES AMINES SUBSTITUES EN TANT QU'IMITATIONS D'ERYTHROPOIETINE

(71) **ORTHO–MCNEIL PHARMACEUTICAL, INC.** [US/US]; U.S. Route 202, Raritan, NJ 08869–0602 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CONNOLLY, Peter** [US/US]; 74 Delwick Lane, New Providence, NJ 07974 (US). **MURRAY, William** [–/US]; 447 Township Line Road, Belle Mead, NJ 08502 (US).

(74) **CIAMPORCERO, Audley, A., Jr.** et al. / etc.; Johnson & Johnson, One Johnson and Johnson Plaza, New Brunswick, NJ 08933 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 229/28, 229/46, A61K 31/195, C07D 233/78, C07F 9/38, C07D 335/12, C07F 5/02, C07C 309/27**

(11) **WO 99/54280** (13) A1

(21) PCT/CA99/00311

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 2,235,119 **17 Apr/avr 1998** CA **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CUBANE DERIVATIVES AS METABOTROPIC GLUTAMATE RECEPTOR ANTAGONISTS AND PROCESS FOR THEIR PREPARATION
• DERIVES DU CUBANE AGISSANT COMME ANTAGONISTES DU RECEPTEUR DU GLUTAMATE METABOTROPIQUE, ET PROCEDE DE PREPARATION DESDITS DERIVES

(71, 72) **CURRY, Kenneth** [CA/CA]; 1176 East King Edward Avenue, Vancouver, British Columbia V5V 2G2 (CA). **PAJOUHESH, Hassan** [IR/CA]; Suite 601, 1020 Harwood Street, Vancouver, British Columbia V6E 1S1 (CA).

(74) **MBM & CO.**; P.O. Box 809, Station B, Ottawa, Ontario K1P 5P9 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 231/02, 233/05, B01J 23/22, 23/28, 23/30**

(11) **WO 99/54281** (13) A1

(21) PCT/JP99/02070

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/123853 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR PRODUCING DIMETHYLACETAMIDE
• PROCEDE DE PRODUCTION DE DIMETHYLACETAMIDE

(71) **MITSUBISHI RAYON CO., LTD.** [JP/JP]; 6–41, Konan 1–chome, Minato–ku, Tokyo 108–8506 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOMIDOU, Toshiaki** [JP/JP]; Chemicals Development Laboratories, Mitsubishi Rayon Co., Ltd., 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **OGURA, Kazumoto** [JP/JP]; Mitsubishi Rayon Co., Ltd., 6–41, Konan 1–chome, Minato–ku, Tokyo 108–8506 (JP). **IRISAWA, Tadashi** [JP/JP]; Mitsubishi Rayon Co., Ltd., 6–41, Konan 1–chome, Minato–ku, Tokyo 108–8506 (JP). **YOSHIDA, Toshio** [JP/JP]; 243–80, Setogaya–cho, Hodogaya–ku, Yokohama–shi, Kanagawa 240–0024 (JP).

(74) **ASAMURA, Kiyoshi** et al. / etc.; New Ohtemachi Building, Room 331, 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).

(81) CA CN KR US.

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(51)[6] **C07C 233/05, A61K 31/16**

(11) **WO 99/54282** (13) A1

(21) PCT/IL99/00197

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 124118 **16 Apr/avr 1998** IL **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROPYLISOPROPYL ACETIC ACID AND PROPYLISOPROPYL ACETAMIDE STEREOISOMERS, A METHOD FOR THEIR SYNTHESIS AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM
• STEREOISOMERES D'ACIDE ACETIQUE PROPYLISOPROPYLIQUE ET D'ACETAMIDE PROPYLISOPROPYLIQUE, LEUR METHODE DE SYNTHESE ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT

(71) **YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY** [IL/IL]; Jabotinsty Street 46, 91042 Jerusalem (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BIALER, Meir** [IL/IL]; Hehalutz Street 36, 96222 Jerusalem (IL). **YAGEN, Boris** [IL/IL]; Kobovi Street 54, 96757 Jerusalem (IL). **SPIGELSTEIN, Ofer** [IL/IL]; Gilboa Street 29, 90805 Mevasseret Zion (IL).

(74) **NOAM, Meir**; P.O. Box 34335, 91342 Jerusalem (IL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 237/10, 211/14, 323/41, A61K 31/16, 31/13**

(11) **WO 99/54283** (13) A1

(21) PCT/US98/07806

(22) **21 Apr/avr 1998 (21.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYAMINE TRANSPORT INHIBITORS
• INHIBITEURS DU TRANSPORT DES POLYAMINES

(71) **UNIVERSITE LAVAL** [CA/CA]; Cité Universitaire, Québec, Québec G1K 7P4 (CA). **ILEX ONCOLOGY, INC.** [US/US]; Suite 300, 11550 IH 10 West, San Antonio, TX 78230–1064 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **POULIN, Richard** [CA/CA]; 3474, chemin Ste–Foy, Ste–Foy, Québec G1Y 1S8 (CA). **AUDETTE, Marie** [CA/CA]; 4690, Clara Brousseau, Cap–Rouge, Québec G1Y 3N1 (CA). **CHAREST–GAUDREALT, René** [CA/CA]; Bernières, Québec G7A 2N3 (CA).

(74) **MAYFIELD, Denise, L.**; Locke Purnell Rain Harrell, Suite 2200, 2200 Ross Avenue, Dallas, TX 75201–6776 (US).

(81) AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **C07C 237/28, A61K 31/165**

(11) **WO 99/54284** (13) A1

(21) PCT/JP99/02028

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) PP 3085 **20 Apr/avr 1998** AU **(20.04.1998)**

(30) PP 5851 **11 Sep/sep 1998** AU **(11.09.1998)**

(30) PP 7781 **18 Dec/déc 1998** AU **(18.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTHRANILIC ACID DERIVATIVES AS INHIBITORS OF THE CGMP–PHOSPHODIESTERASE
• DERIVES D'ACIDE ANTHRENILIQUE UTILISES COMME INHIBITEURS DE CGMP–PHOSPHODIESTERASE

(71) **FUJISAWA PHARMACEUTICAL CO., LTD.** [JP/JP]; 4–7, Doshomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–8514 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OKU, Teruo** [JP/JP]; 2–4–1–504, Tenjincho, Takatsuki–shi, Osaka 569–1117 (JP). **SAWADA, Kozo** [JP/JP]; 1–4–3–602–301, Azuma, Tsukuba–shi, Ibaraki 305–0031 (JP). **KURODA, Akio** [JP/JP]; 3–17–24, Matsushiro, Tsukuba–shi, Ibaraki 305–0035 (JP). **INOUE, Takayuki** [JP/JP]; 24–21, Inarimae, Tsukuba–shi, Ibaraki 305–0061 (JP). **KAYAKIRI, Natsuko** [JP/JP]; 13–13–102, Shinashiyakami, Suita–shi, Osaka 565–0804 (JP). **SAWADA, Yuki** [JP/JP]; 2–28–40, Kamikashiwada, Ushiku–shi, Ibaraki 300–1232 (JP). **MIZUTANI, Tsuyoshi** [JP/JP]; 2–25–10, Matsushiro, Tsukuba–shi, Ibaraki 305–0035 (JP).

(74) **NOGAWA, Shintaro**; Minamimorimachi Park Building, 1–3, Nishitenma 5–chome, Kita–ku, Osaka–shi, Osaka 530–0047 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 253/34, 255/58**

(11) **WO 99/54285** (13) A1

(21) PCT/FR99/00862

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) fr (26) fr

(30) 98/05044 **16 Apr/avr 1998** FR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PURIFYING ALIPHATIC AMINONITRILES
• PROCEDE DE PURIFICATION D'AMINONITRILES ALIPHATIQUES

(71) **RHODIA FIBER AND RESIN INTERMEDIATES** [FR/FR]; 25, quai Paul Doumer, F–92408 Courbevoie Cedex (FR).
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(72, 75) **BRUNELLE, Jean–Pierre** [FR/FR]; 6, allée des Noireaux, F–78290 Croissy–sur–Seine (FR). **LECONTE, Philippe** [FR/FR]; 43, rue Sainte–Beuve, F–69330 Meyzieu (FR). **MARION, Philippe** [FR/FR]; 140, route du Buye, F–69390 Vernaison (FR).

(74) **ESSON, Jean–Pierre**; Rhodia Services, Direction de la Propriété Industrielle, C.R.I.T.–Carrières, Boîte postale 62, F–69192 Saint–Fons Cedex (FR).

(81) BR BY CA CN CZ ID IN JP KR PL RO RU SG SK UA US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 255/00**

(11) **WO 99/54286** (13) A2

(21) PCT/US99/08556

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,094 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/273,191 **19 Mar/mar 1999** US **(19.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BTK INHIBITORS AND METHODS FOR THEIR IDENTIFICATION AND USE
• INHIBITEURS BTK ET LEURS PROCEDES D'IDENTIFICATION ET D'UTILISATION

(71) **WAYNE HUGHES INSTITUTE** [US/US]; 2665 Long Lake Road, St. Paul, MN 55113 (US).

(72) **UCKUN, Fatih, M.**; 12590 Ethan Avenue North, White Bear Lake, MN 55110 (US). **ZHENG, Yaguo**; 806 W. County Road D #232, New Brighton, MN 55112 (US). **GHOSH, Sutapa**; 4121 Oxford St. N., Shoreview, MN 55126 (US).

(74) **HAMRE, Curtis, B.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South 7th Street, Minneapolis, MN 55402–4131 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 255/29, 253/30**

(11) **WO 99/54287** (13) A1

(21) PCT/US99/07443

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) en (26) en

(30) 09/062,975 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED PROCESS FOR THE MANUFACTURE OF N–(1–CYANOALKYL)–2–PHENOXYPROPIONAMIDE DERIVATIVES
• PROCEDE AMELIORE DE PRODUCTION DE DERIVES N–(1–CYANOALKYL)–2–PNENOXYPROPIONAMIDE

(71) **AMERICAN CYANAMID COMPANY** [US/US]; Five Giralda Farms, Madison, NJ 07940 (US).

(72) **CEVASCO, Albert, Anthony**; 21 Kingswood Drive, Belle Mead, NJ 08502 (US). **KREMER, Kenneth, Alfred, Martin**; 79 Craven Lane, Lawrenceville, NJ 08648 (US).

(74) **COSTELLO, Charles, F.**; American Home Products Corporation, One Campus Drive, Parsippany, NJ 07054 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 255/66, 253/30, C07D 213/77**

(11) **WO 99/54288** (13) A1

(21) PCT/EP99/02834

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 98420069.1 **20 Apr/avr 1998** EP **(20.04.1998)**

(30) 98420070.9 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESSES FOR PREPARING PESTICIDAL INTERMEDIATES
• PROCEDES RELATIFS A LA PREPARATION D'INTERMEDIAIRES UTILES DANS L'ELABORATION DES PESTICIDES

(71) **RHONE–POULENC AGRICULTURE LTD.** [GB/GB]; Fyfield Road, Ongar, Essex CM5 0HW (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANCEL, Jean–Erick** [FR/FR]; 14, rue Lucien Begule, F–69230 Saint Genis Laval (FR).

(74) **BRACHOTTE, Charles**; Rhône–Poulenc Agro, DPI, 14–20, rue Pierre Baizet, F–69009 Lyon (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 263/10, 263/20, 265/14**

(11) **WO 99/54289** (13) A1

(21) PCT/EP99/02453

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) de (26) de

(30) 198 17 691.0 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING MIXTURES CONSISTING OF DIPHENYLMETHANE DIISOCYANATES AND POLYPHENYLENE–POLYMETHYLENE–POLYISOCYANATES CONTAINING A REDUCED AMOUNT OF CHLORINATED SECONDARY PRODUCTS AND WITH A REDUCED IODINE COLOUR INDEX
• PROCEDE POUR LA PREPARATION DE MELANGES DE DIPHENYLMETHANE–DIISOCYANATES ET DE POLYISOCYANATES DE POLYPHENYLENE–POLYMETHYLENE A TENEUR REDUITE EN SOUS–PRODUITS CHLORES ET A INDICE COLORIMETRIQUE D'IODE REDUIT

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PENZEL, Ulrich** [DE/DE]; Winzergasse 12, D–01945 Tettau (DE). **SCHARR, Volker** [DE/DE]; Rathenaustrasse 16, D–01968 Senftenberg (DE). **STAROSTA, Dieter** [DE/DE]; Lauchhammer Strasse 16, D–01987 Schwarzheide (DE). **BOESEL, Hilmar** [DE/DE]; J.–R.–Becher–Strasse 20, D–01968 Senftenberg (DE). **STRÖFER, Eckhard** [DE/DE]; Karl–Kuntz–Weg 9, D–68163 Mannheim (DE). **PFEFFINGER, Joachim** [DE/DE]; Bessemerstrasse 20, D–67063 Ludwigshafen (DE). **POPLOW, Frank** [DE/DE]; Burgholzweg 21, D–51491 Overath (DE). **DOSCH, Jürgen** [DE/DE]; Alwin–Mittasch–Platz 12, D–67063 Ludwigshafen (DE). **SCHWARZ, Hans, Volkmar** [DE/BE]; 26, avenue de Dauphins, B–1410 Waterloo (BE). **NÄUMANN, Fritz** [DE/DE]; Weiherweg 48, D–64625 Bensheim (DE). **VAN DEN ABEEL, Peter**

[BE/BE]; Kalmthoutse Steenweg 54/2, B–2950 Kapellen (BE). **JACOBS, Jan** [NL/NL]; Binnenweg 11, NL–4631 LN Hoogerheide (NL). **NEVEJANS, Filip** [BE/BE]; Dennenlaan 8, B–9170 St. Pauwels (BE). **VAN PEE, Willy** [BE/BE]; 14, avenue Hamoir, B–1180 Bruxelles (BE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) CA CN JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 271/24, 233/52, 233/47, 271/22, C07D 233/54, 263/32, A61K 31/33, 31/16, C07C 237/24, C07D 307/24, 405/04**

(11) **WO 99/54290** (13) A1

(21) PCT/US99/07949

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/065,803 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INHIBITORS OF NEURAMINIDASES
• INHIBITEURS DE NEURAMINIDASES

(71) **ABBOTT LABORATORIES** [US/US]; CHAD 0377/AP6D–2, 100 Abbott Park Road, Abbott Park, IL 60064–6050 (US).

(72) **MARING, Clarence, J.**; 784 Walton Lane, Grayslake, IL 60030 (US). **GU, Yu–Gui**; 312 Cambridge Drive, Grayslake, IL 60030 (US). **CHEN, Yuanwei**; 788 Darnell Lane, Gurnee, IL 60031 (US). **DEGOEY, David, A.**; 6501 43rd Avenue, Kenosha, WI 53142 (US). **GIRANDA, Vincent, L.**; 272 S. Fork Drive, Gurnee, IL 60031 (US). **GRAMPOVNIK, David, J.**; 2500 Walnut Street, Waukegan, IL 60087 (US). **KATI, Warren, M.**; 152 Knobb Hill Lane, Gurnee, IL 60031 (US). **KEMPF, Dale, J.**; 256 Tyler Court, Libertyville, IL 60048 (US). **KENNEDY, April**; 408 S. Slusser, Grayslake, IL 60030 (US). **LIN, Zhen**; 1138 Tyme Court, Gurnee, IL 60031 (US). **MADIGAN, Darold, L.**; 908 Wisconsin, Elk Grove Village, IL 60007 (US). **MUCHMORE, Steven, W.**; 1168 Tamarack Lane, Libertyville, IL 60048 (US). **SHAM, Hing, L.**; 212 Knightsbridge Drive, Mundelein, IL 60060 (US). **STEWART, Kent, D.**; 4715 King's Way North, Gurnee, IL 60031 (US). **STOLL, Vincent, S.**; 112 North First Street, Libertyville, IL 60048 (US). **SUN, Minghua**; 1733 Cedar Glen Drive, Libertyville, IL 60048 (US). **WANG, Gary, T.**; 8602 Osceola Avenue, Niles, IL 60714 (US). **WANG, Sheldon**; 1020 Talbot Lane, Grayslake, IL 60030 (US). **YEUNG, Ming, C.**; 34422 N. Tangueray Drive, Grayslake, IL 60030 (US). **ZHAO, Chen**; 1417 Castleton Road, Libertyville, IL 60048 (US).

(74) **CROWLEY, Steven, R.** et al. / etc.; Abbott Laboratories, CHAD 0377/AP6D–2, 100 Abbott Park Road, Abbott Park, IL 60064–6050 (US).

(81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 279/00, C08G 73/00**

(11) **WO 99/54291** (13) A1

(21) PCT/AT99/00097

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) de (26) de

(30) A 678/98 **22 Apr/avr 1998** AT **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING POLYHEXAMETHYLENE GUANIDINE
• PROCEDE DE PREPARATION DE POLYHEXAMETHYLENE–GUANIDINE

(71) **P.O.C. OIL INDUSTRY TECHNOLOGY BERATUNGSGES.MBH** [AT/AT]; Gluckgasse 3/14a, A–1010 Wien (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHMIDT, Oskar** [AT/AT]; Gluckgasse 3, A–1010 Wien (AT).

(74) **RIPPEL, Andreas**; Maxingstrasse 34, A–1130 Wien (AT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 309/42, 303/22**

(11) **WO 99/54292** (13) A1

(21) PCT/FR99/00933

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) fr (26) fr

(30) 98/04918 **20 Apr/avr 1998** FR **(20.04.1998)**

(30) 98/04919 **20 Apr/avr 1998** FR **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL SULPHONATED AND OXY– OR POLYALKYLENE DIPHENOL DERIVATIVES AND THEIR CORRESPONDING SALTS
• NOUVEAUX DERIVES DE DIPHENOLS SULFONES ET OXY– OU POLYOXYALKYLENES ET LEURS SELS CORRESPONDANTS

(71) **RHODIA CHIMIE** [FR/FR]; 25, quai Paul Doumer, F–92408 Courbevoie Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PEVERE, Virginie** [FR/FR]; 37, rue Bataille, F–69008 Lyon (FR). **SZCZECINSKI, Przemyslaw** [PL/PL]; ul. Mickiewicza 70 m. 65, PL–00–650 Varsovie (PL). **DESMURS, Jean–Roger** [FR/FR]; La Jonquière, Route de Ternay, Communay, F–69360 Saint Symphorien d'Ozon (FR). **GALLIOT, Jean–Claude** [FR/FR]; 9, allée des Cerisiers, F–69150 Décines (FR). **LARTIGUE–PEYROU, Françoise** [FR/FR]; 127 bis, rue Pagère, F–69500 Bron (FR).

(74) **DUTRUC–ROSSET, Marie–Claude**; Rhodia Services, Direction de la Propriété Industrielle, 25, quai Paul Doumer, F–92408 Courbevoie Cedex (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 311/21, 233/78, C07D 295/08, 213/56, A61K 31/18, 31/44**

(11) **WO 99/54293** (13) A1

(21) PCT/EP99/02617

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 461.6 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBSTITUTED BENZAMIDES, THEIR PRODUCTION AND THEIR USE AS CYSTEINE PROTEASE INHIBITORS
• BENZAMIDES SUBSTITUES, LEUR PRODUCTION ET LEUR UTILISATION COMME INHIBITEURS DE PROTEASES DE CYSTEINE

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUBISCH, Wilfried** [DE/DE]; Häusererstrasse 15, D–69115 Heidelberg (DE). **MÖLLER, Achim** [DE/DE]; Im Zaunrücken 10, D–67269 Grünstadt (DE). **TREIBER, Hans–Jörg** [DE/DE]; Sperberweg 1, D–68782 Brühl (DE). **KNOPP, Monika** [DE/DE]; Karl–Dillinger–Strasse 19, D–67071 Ludwigshafen (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HR HU ID IL IN JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 311/21, 233/76, C07D 213/56, 239/96, 215/36, C07C 237/52, 235/82, A61K 31/195, 31/44, 31/505, 31/19**

(11) **WO 99/54294** (13) A1

(21) PCT/EP99/02618

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 18 614.2 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NEW SUBSTITUTED AMIDES, THEIR PRODUCTION AND THEIR USE
• NOUVEAUX AMIDES SUBSTITUES, LEUR PRODUCTION ET LEUR UTILISATION

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUBISCH, Wilfried** [DE/DE]; Häusererstrasse 15, D–69115 Heidelberg (DE). **MÖLLER, Achim** [DE/DE]; Im Zaunrücken 10, D–67269 Grünstadt (DE). **TREIBER, Hans–Jörg** [DE/DE]; Sperberweg 1, D–68782 Brühl (DE). **KNOPP, Monika** [DE/DE]; Karl–Dillinger–Strasse 19, D–67071 Ludwigshafen (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HR HU ID IL IN JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07C 313/04, C07D 209/04, 209/12, 209/14, 209/18, 209/30, 209/42, 209/54, 209/56, 209/82**

(11) **WO 99/54295** (13) A1

(21) PCT/US99/08261

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,109 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR PREPARING 4–HYDROXY INDOLE, INDAZOLE AND CARBAZOLE COMPOUNDS
• PROCESS DE FABRICATION DE COMPOSES 4–HYDROXY INDOLE, INDAZOLE ET CARBAZOLE

(71) **ELI LILLY AND COMPANY** [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDERSON, Benjamin, Alan** [US/US]; 1644 Catalina Way, Zionsville, IN 46077 (US). **HARN, Nancy, Kay** [US/US]; 3610 Sommersworth Lane, Indianapolis, IN 46228 (US).

(74) **PALMBERG, Arleen** et al. / etc.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 313/08, 319/14, 321/28, 323/09, 323/62, C07D 401/06, B01J 31/02**

(11) **WO 99/54296** (13) A1

(21) PCT/JP99/02007

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/106119 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR PRODUCING ARYLSULFENYL HALIDE
• PROCEDE SERVANT A PREPARER HALOGENURE D'ARYLSULFENYLE

(71) **SHIONOGI & CO., LTD.** [JP/JP]; 1–8, Doshomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0045 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AOKI, Tsutomu** [JP/JP]; 3379–132, Shinge, Sennan–shi, Osaka 590–0503 (JP). **KONOIKE, Toshiro** [JP/JP]; 3–15–8, Uchihonmachi, Suita–shi, Osaka 564–0032 (JP).

(74) **YAMAUCHI, Hideaki**; Shionogi & Co., Ltd., Patent Dept., 12–4, Sagisu 5–chome, Fukushima–ku, Osaka–shi, Osaka 553–0002 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07C 323/44, 319/20, 229/22, 227/08, 271/22, 271/16, C07D 303/48, 307/32, 317/28 // C07B 53/00, C07M 7:00**

(11) **WO 99/54297** (13) A1

(21) PCT/JP98/01755

(22) **16 Apr/avr 1998 (16.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR PREPARING CHLORO ALCOHOL DERIVATIVES AND INTERMEDIATES
• PROCEDE DE PREPARATION DE CHLOROALCOOLS ET DE LEURS INTERMEDIAIRES

(71) **NAGASE & COMPANY, LTD.** [JP/JP]; 1–17, Shinmachi 1–chome, Nishi–ku, Osaka–shi, Osaka 550–0013 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IKUNAKA, Masaya** [JP/JP]; Nagase & Company, Ltd. Research & Development Center, 2–3, Murotani 2–chome, Nishi–ku, Kobe–shi, Hyogo 651–2241 (JP). **MATSUMOTO, Jun** [JP/JP]; Nagase & Company, Ltd. Research & Development Center, 2–3, Murotani 2–chome, Nishi–ku, Kobe–shi, Hyogo 651–2241 (JP). **FUJIMA, Yoshito** [JP/JP]; Nagase & Company, Ltd. Research & Development Center, 2–3, Murotani 2–chome, Nishi–ku, Kobe–shi, Hyogo 651–2241 (JP). **HIRAYAMA, Yoshihiko** [JP/JP]; Nagase & Company, Ltd. Research & Development Center, 2–3, Murotani 2–chome, Nishi–ku, Kobe–shi, Hyogo 651–2241 (JP).

(74) **YAMAMOTO, Shusaku**; Crystal Tower, 15th floor, 2–27, Shiromi 1–chome, Chuo–ku, Osaka–shi, Osaka 540–6015 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **C07D 207/12, A61K 31/40, C07B 43/06, 35/02**

(11) **WO 99/54298** (13) A1

(21) PCT/EP99/02574

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 393.8 **20 Apr/avr 1998** DE **(20.04.1998)**

(30) 198 27 633.8 **20 Jun/juin 1998** DE **(20.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING ENANTIOMER–FREE N–METHYL–N– [(1S)–1–PHENYL– 2–((3S)–3–HYDROXYPYRROLIDINE– 1–YL)ETHYL]– 2,2–DIPHENYL ACETAMIDE
• PROCEDE DE PRODUCTION DE N–METHYL–N–((1S)–1–PHENYL–2–((3S)–3–HYDROXYPYRROLIDIN–1–YL)ETHYL)–2,2–DIPHENYLACETAMIDE SANS ENANTIOMERES

(71) **MERCK PATENT GMBH** [DE/DE]; Frankfurter Strasse 250, D–64293 Darmstadt (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BATHE, Andreas** [DE/DE]; Merckstrasse 17, D–64283 Darmstadt (DE). **HELFERT, Bernd** [DE/DE]; Schillerstrasse 1, D–64372 Ober–Ramstadt (DE). **ACKERMANN, Karl–August** [DE/DE]; Am Pfarrweiher 40, D–64372 Ober–Ramstadt (DE). **GOTTSCHLICH, Rudolf** [DE/DE]; Buchenweg 1, D–64354 Reinheim (DE). **STEIN, Ingeborg** [DE/DE]; Eugen–Roth–Strasse 4A, D–63110 Rodgau (DE). **BUDAK, Jens** [DE/DE]; Rossdörfer Strasse 45, D–64287 Darmstadt (DE).

(74) **MERCK PATENT GMBH**; Frankfurter Strasse 250, D–64293 Darmstadt (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 207/16, 403/04, 417/04, 413/04, 409/04, 407/04, 401/12, A61K 31/40**

(11) **WO 99/54299** (13) A1

(21) PCT/US99/07945

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/065,225 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PYRROLIDINES AS INHIBITORS OF NEURAMINIDASES
• PYRROLIDINES UTILISES COMME INHIBITEURS DE NEURAMINIDASES

(71) **ABBOTT LABORATORIES** [US/US]; CHAD 0377/AP6D–2, 100 Abbott Park Road, Abbott Park, IL 60064–6050 (US).

(72) **MARING, Clarence, J.**; 784 Walton Lane, Grayslake, IL 60030 (US). **GU, Yu–Gui**; 312 Cambridge Drive, Grayslake, IL 60030 (US). **CHEN, Hui–Ju**; 4 Crows Nest Court, Grayslake, IL 60030 (US). **CHEN, Yuan-wei**; 788 Darnell Lane, Gurnee, IL 60031 (US). **DEGOEY, David, A.**; 6501 43rd Avenue, Kenosha, WI 53142 (US). **FLOSI, William, J.**; 1461 Wicke Avenue, Des Plaines, IL 60018 (US). **GIRANDA, Vincent, L.**; 272 S. Fork Drive, Gurnee, IL 60031 (US). **GRAMPOVNIK, David, J.**; 2500 Walnut Street, Waukegan, IL 60087 (US). **KATI, Warren, M.**; 152 Knobb Hill Lane, Gurnee, IL 60031 (US). **KEMPF, Dale, J.**; 256 Tyler Court, Libertyville, IL 60048 (US). **KLEIN, Larry, L.**; 26 Washington Road, Lake Forest, IL 60045 (US). **KRUEGER, Allan, C.**; 7260 Presidential Drive, Gurnee, IL 60031 (US). **LIN, Zhen**; 1138 Tyme Court, Gurnee, IL 60031 (US). **MADIGAN, Darold, L.**; 908 Wisconsin, Elk Grove Village, IL 60007 (US). **MCDANIEL, Keith, F.**; 1430 Cheriton Circle, Grayslake, IL 60030 (US). **MUCHMORE, Steven, W.**; 1168 Tamarack Lane, Libertyville, IL 60048 (US). **SHAM, Hing, L.**; 212 Knightsbridge Drive, Mundelein, IL 60060 (US). **STEWART, Kent, D.**; 4715 King's Way North, Gurnee, IL 60031 (US). **STOLL, Vincent, S.**; 112 North First Street, Libertyville, IL 60048 (US). **SUN, Minghua**; 1733 Cedar Glen Drive, Libertyville, IL 60048 (US). **WANG, Gary, T.**; 8602 Osceola Avenue, Niles, IL 60714 (US). **WANG, Sheldon**; 1020 Talbot Lane, Grayslake, IL 60030 (US). **XU, Yibo**; 1701 Golf Road, Waukegan, IL 60087 (US). **YEUNG, Ming, C.**; 34422 N. Tangueray Drive, Grayslake, IL 60030 (US). **ZHAO, Chen**; 1417 Castleton Road, Libertyville, IL 60048 (US). **KENNEDY, April**; 408 S. Slusser, Grayslake, IL 60030 (US).

(74) **CROWLEY, Steven, R.** et al. / etc.; Abbott Laboratories, CHAD 0377/AP6D–2, 100 Abbott Park Road, Abbott Park, IL 60064–6050 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 209/12, 209/32, 209/34**

(11) **WO 99/54300** (13) A1

(21) PCT/US99/08332

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,110 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR PREPARING 4–SUBSTITUTED–1H–INDOLE–3–GLYOXAMIDES
• PROCEDE DE FABRICATION DE 1H–INDOLE–3–GLYOXAMIDES 4–SUBSTITUES

(71) **ELI LILLY AND COMPANY** [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDERSON, Benjamin, Alan** [US/US]; 1644 Catalina Way, Zionsville, IN 46077 (US). **HARN, Nancy, Kay** [US/US]; 3610 Sommersworth Lane, Indianapolis, IN 46228 (US).

(74) **PALMBERG, Arleen** et al. / etc.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 209/16, A61K 31/40**

(11) **WO 99/54301** (13) A1

(21) PCT/EP99/02302

(22) **3 Apr/avr 1999 (03.04.1999)**

(25) de (26) de

(30) 198 16 780.6 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBSTITUTED 2–OXO–ALKANOIC ACID–[2–(INDOL–3–YL)–ETHYL] AMIDES
• ACIDE ALCANE–2–OXO–[2–(INDOL–3–YL)–ETHYL]AMIDES SUBSTITUES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIMMLER, Thomas** [DE/DE]; Schöne Aussicht 1b, D–51519 Odenthal (DE). **PIRRO, Franz** [DE/DE]; Zur Schlenkhecke 5, D–40764 Langenfeld (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **C07D 209/88**

(11) **WO 99/54302** (13) A1

(21) PCT/GB99/01167

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808069.0 **16 Apr/avr 1998** GB **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR THE PRODUCTION OF R–(+)–6– CARBOXAMIDO– 3–N–METHYLAMINO– 1,2,3,4– TETRAHYDROCARBAZOLE
• PROCEDE DE PRODUCTION DE R–(+)–6–CARBOXAMIDO–3–N–METHYLAMINO–1,2,3,4–TETRAHYDROCARBAZOLE

(71) **VANGUARD MEDICA LIMITED** [GB/GB]; Chancellor Court, Surrey Research Park, Guildford, Surrey GU2 5SF (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRACKENRIDGE, Ian** [GB/GB]; Oxford Asymmetry International, 151 Milton Park, Abingdon, Oxon OX14 4SN (GB). **SPRAY, Caroline** [GB/GB]; Oxford Asymmetry International, 151 Milton Park, Abingdon, Oxon OX14 4SN (GB). **McINTYRE, Steven** [GB/GB]; Oxford Asymmetry International, 151 Milton Park, Abingdon, Oxon OX14 4SN (GB). **KNIGHT, John** [GB/GB]; Cerebrus, Oakdene Court, 613 Reading Road, Winnersh, Wokingham, Berkshire RG41 4UA (GB). **HARTLEY, David** [GB/GB]; 10 Deards Wood, Knebworth, Hertfordshire SG3 6PG (GB).

(74) **FLORENCE, Julia, Anne** et al. / etc.; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 209/92, 401/06, 471/04, 495/04, A61K 31/435, 31/44, 31/445, 31/47, 31/495**

(11) **WO 99/54303** (13) A1

(21) PCT/JP99/02127

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/111833 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OPTICALLY ACTIVE TETRAHYDROBENZINDOLE DERIVATIVES
• DERIVES TETRAHYDROBENZINDOLES ACTIFS AU PLAN OPTIQUE

(71) **MEIJI SEIKA KAISHA, LTD.** [JP/JP]; 4–16, Kyobashi 2–chome, Chuo–ku, Tokyo 104–0031 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOYAMA, Masao** [JP/JP]; Pharmaceutical Research Center, Meiji Seika Kaisha, Ltd., 760, Morooka–cho, Kohoku–ku, Yokohama–shi, Kanagawa 222–0002 (JP). **USHIRODA, Osamu** [JP/JP]; Pharmaceutical Research Center, Meiji Seika Kaisha, Ltd., 760, Morooka–cho, Kohoku–ku, Yokohama–shi, Kanagawa 222–0002 (JP). **KIKUCHI, Chika** [JP/JP]; Pharmaceutical Research Center, Meiji Seika Kaisha, Ltd., 760, Morooka–cho, Kohoku–ku, Yokohama–shi, Kanagawa 222–0002 (JP). **ANDO, Takashi** [JP/JP]; Pharmaceutical Research Center Meiji Seika Kaisha, Ltd., 760, Morooka–cho, Kohoku–ku, Yokohama–shi, Kanagawa 222–0002 (JP). **SATO, Eriko** [JP/JP]; Pharmaceutical Research Center, Meiji Seika Kaisha, Ltd., 760, Morooka–Cho, Kohoku–ku, Yokohama–shi, Kanagawa 222–0002 (JP). **OKUNO, Masayo** [JP/JP]; Pharmaceutical Research Center, Meiji Seika Kaisha, Ltd., 760, Morooka–cho, Kohoku–ku, Yokohama–shi, Kanagawa 222–0002 (JP). **HIRANUMA, Toyokazu** [JP/JP]; Pharmaceutical Research Center, Meiji Seika Kaisha, Ltd., 760, Morooka–cho, Kohoku–ku, Yokohama–shi, Kanagawa 222–0002 (JP).

(74) **HAGINO, Taira** et al. / etc.; Eikoh Patent Office, ARK Mori Building, 28th floor, 12–32, Akasaka 1–chome, Minato–ku, Tokyo 107–6028 (JP).

(81) CA CN JP KR NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 213/82, 239/42, 277/56, 233/90, A61K 31/44, 31/505**

(11) **WO 99/54304** (13) A1

(21) PCT/EP99/02611

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 459.4 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HETEROCYCLICALLY SUBSTITUTED AMIDES, THEIR PRODUCTION AND THEIR USE
• AMIDES SUBSTITUES PAR VOIE HETEROCYCLIQUE, LEUR PRODUCTION ET LEUR UTILISATION

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUBISCH, Wilfried** [DE/DE]; Häusererstrasse 15, D–69115 Heidelberg (DE). **MÖLLER, Achim** [DE/DE]; Im Zaunrücken 10, D–67269 Grünstadt (DE). **TREIBER, Hans–Jörg** [DE/DE]; Sperberweg 1, D–68782 Brühl (DE). **KNOPP, Monika** [DE/DE]; Karl–Dillinger–Strasse 19, D–67071 Ludwigshafen (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HR HU ID IL IN JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 213/82, 239/42, 317/60, 405/12, 295/155, 401/04, 215/50, A61K 31/495, 31/505, 31/455, 31/44**

(11) **WO 99/54305** (13) A1

(21) PCT/EP99/02632

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 462.4 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HETEROCYCLICALLY SUBSTITUTED AMIDES USED AS CALPAIN INHIBITORS
• AMIDES SUBSTITUES PAR VOIE HETEROCYCLIQUE ET UTILISES COMME INHIBITEURS DE CALPAINE

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUBISCH, Wilfried** [DE/DE]; Häusererstrasse 15, D–69115 Heidelberg (DE). **MÖLLER, Achim** [DE/DE]; Im Zaunrücken 10, D–67269 Grünstadt (DE). **TREIBER, Hans–Jörg** [DE/DE]; Sperberweg 1, D–68782 Brühl (DE). **KNOPP, Monika** [DE/DE]; Karl–Dillinger–Strasse 19, D–67071 Ludwigshafen (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HR HU ID IL IN JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 217/02, 217/24, 401/12, A61K 31/495, 31/55**

(11) **WO 99/54306** (13) A1

(21) PCT/JP98/01868

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ISOQUINOLINESULFONAMIDE DERIVATIVES AND DRUGS CONTAINING THE SAME AS THE ACTIVE INGREDIENT

• DERIVES ISOQUINOLINESULFONAMIDE ET MEDICAMENTS INTEGRANT CES DERIVES COMME PRINCIPE ACTIF

(71, 72) **HIDAKA, Hiroyoshi** [JP/JP]; 607, Otokikiyama, Tempaku–ku, Nagoya–shi, Aichi 468–0063 (JP).

(72, 75) **MURAMATSU, Hiroshi** [JP/JP]; 27–10, Nishihirayama 5–chome, Hino–shi, Tokyo 191–0055 (JP).

(74) **ARUGA, Mitsuyuki** et al. / etc.; Kyodo Building, 3–6, Nihonbashiningyocho 1–chome, Chuo–ku, Tokyo 103–0013 (JP).

(81) CA CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 231/52, 405/04, A01N 43/56**

(11) **WO 99/54307** (13) A1

(21) PCT/JP99/02147

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) ja (26) ja

(30) 10/113290 **23 Apr/avr 1998 (23.04.1998)** JP

(30) 10/282487 **5 Oct/oct 1998 (05.10.1998)** JP

(30) 10/339441 **30 Nov/nov 1998 (30.11.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PYRAZOLINONE DERIVATIVES
• DERIVES DE PYRAZOLINONE

(71) **SUMITOMO CHEMICAL COMPANY, LIMITED** [JP/JP]; 5–33, Kitahama 4–chome, Chuo–ku, Osaka–shi, Osaka 541–8550 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HASHIZUME, Masaya** [JP/JP]; 2–11–7–508, Sonehigashinocho, Toyonaka–shi, Osaka 561–0802 (JP). **KIMURA, Norio** [JP/JP]; 2–14–7, Mefu, Takarazuka–shi, Hyogo 665–0852 (JP). **YAMAMOTO, Noboru** [JP/JP]; 2–1–29–208, Higashiazeno, Kawanishi–shi, Hyogo 666–0117 (JP).

(74) **ASAMURA, Kiyoshi** et al. / etc.; New Ohtemachi Building Room 331, 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 231/54, A61K 31/41, C07D 409/12, 403/12, 401/12, 417/12, 413/12, 413/14**

(11) **WO 99/54308** (13) A1

(21) PCT/US99/08616

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,476 **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 5–AMINOINDENO(1,2–C)PYRAZOL–4–ONES AS ANTI–CANCER AND ANTI–PROLIFERATIVE AGENTS
• 5–AMINOINDENO(1,2–C)–PYRAZOL–4–ONES AGENTS ANTICANCEREUX ET ANTIPROLIFERATIFS

(71) **DU PONT PHARMACEUTICALS COMPANY** [US/US]; 974 Centre Road, WR–1ST18, Wilmington, DE 19807 (US).

(72) **NUGIEL, David, A.**; 8 Vanessa Court, Cherry Hill, NJ 08003 (US). **CARINI, David, J.**; 1921 Julian Road, Wilmington, DE 19803 (US). **YUE, Eddy, W.**; 9 Altemus Drive, Landenberg, PA 19350 (US). **DIMEO, Susan, V.**; 206 Clayton Avenue, Wilmington, DE 19809 (US).

(74) **VANCE, David, H.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) AU BR CA CN CZ EE HU IL IN JP KR LT LV MX NO NZ PL RO SG SI SK UA VN ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 233/64, 401/06, 213/30, 277/24, 263/32, C07F 7/18, A61K 31/415, 31/44, 31/425, 31/42**

(11) **WO 99/54309** (13) A1

(21) PCT/JP99/02143

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 10/113801 **23 Apr/avr 1998 (23.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NAPHTHALENE DERIVATIVES, THEIR PRODUCTION AND USE
• DERIVES DE NAPHTALENE, LEUR PRODUCTION ET UTILISATION

(71) **TAKEDA CHEMICAL INDUSTRIES, LTD.** [JP/JP]; 1–1, Doshomachi 4–chome, Chuo–ku, Osaka–shi, Osaka 541–0045 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TASAKA, Akihiro** [JP/JP]; 9–20–102, Yamadahigashi 2–chome, Suita–shi, Osaka 565–0821 (JP). **OJIDA, Akio** [JP/JP]; 5–21, Kamigaki–cho, Nishinomiya–shi, Hyogo 662–0865 (JP). **KAKU, Tomohiro** [JP/JP]; 5–21, Kamigaki–cho, Nishinomiya–shi, Hyogo 662–0865 (JP). **KUSAKA, Masami** [JP/JP]; 4–102–301, Gakuenhigashimachi 1–chome, Nishi–ku, Kobe–shi, Hyogo 651–2102 (JP). **YAMAOKA, Masuo** [JP/JP]; 5–10–202, Shoyamacho 2–chome, Nagata–ku, Kobe–shi, Hyogo 653–0853 (JP).

(74) **ASAHINA, Tadao** et al. / etc.; Osaka Plant of Takeda Chemical Industries, Ltd., 17–85, Jusohonmachi 2–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0024 (JP).

(81) AE AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 237/00**

(11) **WO 99/54310** (13) A2

(21) PCT/EP99/02633

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 18 615.0 **20 Apr/avr 1998 (20.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NEW SUBSTITUTED AMIDES, THEIR PRODUCTION AND THEIR USE
• INHIBITEURS DE PROTEASE DE CYSTEINE

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUBISCH, Wilfried** [DE/DE]; Häusererstrasse 15, D–69115 Heidelberg (DE). **MÖLLER, Achim** [DE/DE]; Im Zaunrücken 10, D–67269 Grünstadt (DE). **TREIBER, Hans–Jörg** [DE/DE]; Sperberweg 1, D–68782 Brühl (DE). **KNOPP, Monika** [DE/DE]; Karl–Dillinger–Strasse 19, D–67071 Ludwigshafen (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HR HU ID IL IN JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 239/26, 239/36, 251/22, 253/06, A61K 31/505, 31/53**

(11) **WO 99/54311** (13) A1

(21) PCT/EP99/02497

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) MI98A000819 **17 Apr/avr 1998 (17.04.1998)** IT

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL DIPHENYL–SUBSTITUTED 6–RING–HETEROCYCLES, METHODS FOR PRODUCING THEM AND THEIR USE AS MEDICAMENTS
• NOUVEAUX HETEROCYCLES A 6 NOYAUX A SUBSTITUTION DIPHENYLE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION COMME MEDICAMENTS

(71) **BOEHRINGER INGELHEIM PHARMA KG** [DE/DE]; D–55216 Ingelheim (DE). **BOEHRINGER INGELHEIM ITALIA S.P.A.** [IT/IT]; Via Serio, 15, I–20139 Milano (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRENNER, Michael** [DE/DE]; Friedhofstrasse 9, D–55411 Bingen (DE). **PALLUK, Rainer** [DE/DE]; Dammstrasse 21, D–55411 Bingen (DE). **WIENRICH, Marion** [DE/DE]; Kreuzstrasse 57, D–64331 Weiterstadt (DE). **WEISER, Thomas** [DE/DE]; Sommer–Winter–Hohl 8b, D–55268 Nieder–Olm (DE). **CEREDA, Enzo** [IT/IT]; Via Monte Sabotino 29A, I–15067 Novi Ligure (IT). **BIGNOTTI, Maura** [IT/IT]; Via Anfossi, 18, I–20135 Milano (IT). **PELLEGRINI, Carlomaria** [IT/IT]; Via Cappuccini, 5, I–26841 Casalpusterlengo (IT). **SCHIAVI, Giovanni, Battista** [IT/IT]; Via Montello, 7, I–46041 Asola (IT). **CESANA, Raffaele** [IT/IT]; Via S. Marcellina, 4, I–20125 Milano (IT).

(74) **LAUDIEN, Dieter**; Boehringer Ingelheim GmbH, A Patente, D–55216 Ingelheim (DE).

(81) CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 239/28, 401/04, 409/14, A61K 31/505**

(11) **WO 99/54312** (13) A1

(21) PCT/EP99/02346

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) de (26) de

(30) 198 17 265.6 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THE USE OF DIHYDROPYRIMIDINES AS MEDICAMENTS, AND NOVEL SUBSTANCES
• UTILISATION DE DIHYDROPYRIMIDINES COMME MEDICAMENTS, ET NOUVELLES SUBSTANCES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STOLTEFUSS, Jürgen** [DE/DE]; Parkstrasse 20, D–42781 Haan (DE). **GOLDMANN, Siegfried** [DE/DE]; Am Osterholz 91, D–42327 Wuppertal (DE). **PAESSENS, Arnold** [DE/DE]; Stresemannstrasse 51, D–42781 Haan (DE). **GRAEF, Erwin** [DE/DE]; Konrad–Adenauer–Strasse 35, D–42553 Velbert (DE). **LOTTMANN, Stefan** [DE/DE]; Katernberger Strasse 169 c, D–42115 Wuppertal (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 239/80, A61K 31/395, C07D 217/24, 239/96, 401/12, 239/91, 403/04, 401/04, 403/12, 403/08, 239/74, 239/78, 471/04, 215/22, 215/38, 401/08 // (C07D 471/04, 241:00, 221:00)**

(11) **WO 99/54313** (13) A1

(21) PCT/EP99/02464

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) de (26) de

(30) 198 16 983.3 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BICYCLIC COMPOUNDS HAVING AN ANTI–THROMBITIC EFFECT
• BICYCLENES A EFFET ANTITHROMBOTIQUE

(71) **BOEHRINGER INGELHEIM PHARMA KG** [DE/DE]; Binger Strasse 173, D–55216 Ingelheim (DE).

(72) **RIES, Uwe**; Tannenstrasse 31, D–88400 Biberach (DE). **HAUEL, Norbert**; Marderweg 12, D–88433 Schemmerhofen (DE). **PRIEPKE, Henning**; Birkenharder Strasse 11, D–88447 Warthausen (DE). **NAR, Herbert**; Ulrika–Nisch–Strasse 8, D–88441 Mittelbiberach (DE). **STASSEN, Jean, Marie**; Berggrubenweg 11, D–88447 Warthausen (DE). **WIENEN, Wolfgang**; Kirschenweg 27, D–88400 Biberach (DE).

(74) **LAUDIEN, Dieter**; Boehringer Ingelheim GmbH, Patentabteilung, D–55216 Ingelheim (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 249/08, 263/32, 263/38, 233/54, 233/70, 233/78, 271/10, 207/32, 207/44, 231/22**

(11) **WO 99/54314** (13) A1

(21) PCT/EP99/02496

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 16 880.2 **17 Apr/avr 1998** DE **(17.04.1998)**

(30) MI98A000818 **17 Apr/avr 1998** IT **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL DIPHENYL–SUBSTITUTED 5–RING–HETEROCYCLES, METHOD FOR PRODUCING THEM AND THEIR USE AS MEDICAMENTS
• NOUVEAUX HETEROCYCLES A 5 NOYAUX A SUBSTITUTION DIPHENYLE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION COMME MEDICAMENTS

(71) **BOEHRINGER INGELHEIM PHARMA KG** [DE/DE]; D–55216 Ingelheim (DE). **BOEHRINGER INGELHEIM ITALIA S.P.A.** [IT/IT]; Via Serio, 15, I–20139 Milano (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRENNER, Michael** [DE/DE]; Friedhofstrasse 9, D–55411 Bingen (DE). **BECHTEL, Wolf–Dietrich** [DE/DE]; Muehlstrasse 3, D–55437 Appenheim (DE). **PALLUK, Rainer** [DE/DE]; Dammstrasse 21, D–55411 Bingen (DE). **WIENRICH, Marion** [DE/DE]; Kreuzstrasse 57, D–64331 Weiterstadt (DE). **WEISER, Thomas** [DE/DE]; Sommer–Winter–Hohl 8b, D–55268 Nieder–Olm (DE). **CEREDA, Enzo** [IT/IT]; Via Monte Sabotino, 29A, I–15067 Novi Ligure (IT). **BIGNOTTI, Maura** [IT/IT]; Via Anfossi, 18, I–20135 Milano (IT). **PELLEGRINI, Carlomaria** [IT/IT]; Via Cappuccini, 5, I–26841 Casalpusterlengo (IT).

(74) **LAUDIEN, Dieter**; Boehringer Ingelheim GmbH, A Patente, D–55216 Ingelheim (DE).

(81) CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 249/12, 401/04 // (C07D 401/04, 249:00, 213:00**

(11) **WO 99/54315** (13) A2

(21) PCT/EP99/02498

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 16 882.9 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRIAZOLONES WITH A NEUROPROTECTIVE ACTION
• TRIAZOLONES A EFFET NEUROPROTECTEUR

(71) **BOEHRINGER INGELHEIM PHARMA KG** [DE/DE]; D–55216 Ingelheim am Rhein (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRENNER, Michael** [DE/DE]; Friedhofstrasse 9, D–55411 Bingen am Rhein (DE). **BECHTEL, Wolf–Dietrich** [DE/DE]; Mühlstrasse 3, D–55437 Appenheim (DE). **PALLUK, Rainer** [DE/DE]; Dammstrasse 21, D–55411 Bingen am Rhein (DE). **WIENRICH, Marion** [DE/DE]; Kreuzstrasse 57, D–64331 Weiterstadt (DE). **WEISER, Thomas** [DE/DE]; Sommer–Winter–Hohl 8b, D–55268 Nieder–Olm (DE).

(74) **LAUDIEN, Dieter**; Boehringer Ingelheim GmbH, A Patente, D–55216 Ingelheim am Rhein (DE).

(81) CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 251/62**

(11) **WO 99/54316** (13) A1

(21) PCT/NL99/00218

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 1008912 **17 Apr/avr 1998** NL **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR DRYING MELAMINE
• PROCEDE DE SECHAGE DE LA MELAMINE

(71) **DSM N.V.** [NL/NL]; Het Overloon 1, NL–6411 TE Heerlen (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SLANGEN, Hubertus, Jozef, Maria** [NL/NL]; Kanaalweg 6B, NL–6129 AZ Stein (NL).

(74) **VAN BOKHOVEN, Petrus, Hubertus, Maria**; Octrooibureau DSM, P.O. Box 9, NL–6160 MA Geleen (NL).

(81) AE AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 271/06**

(11) **WO 99/54317** (13) A1

(21) PCT/US99/08501

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,258 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CYSTEINE PROTEASE INHIBITORS
• INHIBITEURS DE CYSTEINE PROTEASES

(71) **CORTECH INC.** [US/US]; 376 Main Street, Bedminster, NJ 07921 (US).

(72) **SPRUCE, Lyle, W.**; 948 Camino del Sol, Chula Vista, CA 91910 (US). **GYORKOS, Albert, C.**; 11795 Decatur Drive, Westminster, CO 80234 (US). **CHERONIS, John, C.**; 24011 Pleasant Park Road, Conifer, CO 80433 (US). **GOODFELLOW, Val, S.**; 5490 North Indian Trail, Tuscan, AZ 85750 (US). **LEIMER, Axel, H.**; 131 Milk Street, Westborough, MA 01581 (US). **YOUNG, John, M.**; 399 Summit Drive, Redwood City, CA 94062 (US). **GERRITY, James, I.**; 917 Second Avenue, S.E. Albany, OR 97321 (US).

(74) **BLOOM, Allen** et al. / etc.; Dechert Price & Rhoads, P.O. Box 5218, Princeton, NJ 08543–5218 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 277/22, 313/00, 493/02**

(11) **WO 99/54318** (13) A1

(21) PCT/US99/07448

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) en (26) en

(30) 60/082,564 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 12,13–CYCLOPROPANE EPOTHILONE DERIVATIVES
• DERIVES D'EPOTHILONE 12,13–CYCLOPROPANE

(71) **BRISTOL–MYERS SQUIBB COMPANY** [US/US]; P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(72) **VITE, Gregory, D.**; 28 Continental Lane, Titusville, NJ 08560 (US). **KIM, Soong–Hoon, Kim**; 13126 East Run Drive, Lawrenceville, NJ 08648 (US). **HOFLE, Gerhard**; Alter Weg 12a, D–38124 Braunschweig (DE).

(74) **HOFFMAN, Frank, P.** et al. / etc.; Bristol–Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 277/24, 277/26, 313/00, 471/02, 491/02, 498/02**

(11) **WO 99/54319** (13) A1

(21) PCT/US99/07475

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) en (26) en

(30) 60/082,564 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 12,13–MODIFIED EPOTHILONE DERIVATIVES
• DERIVES D'EPOTHILONE MODIFIES EN POSITION 12,13

(71) **BRISTOL–MYERS SQUIBB COMPANY** [US/US]; P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(72) **VITE, Gregory, D.**; 28 Continental Lane, Titusville, NJ 08560 (US). **KIM, Soong–Hoon, Kim**; 13126 East Run Drive, Lawrenceville, NJ 08648 (US). **HOFLE, Gerhard**; Alter Weg 12a, D–38124 Braunschweig (DE).

(74) **HOFFMAN, Frank, P.** et al. / etc.; Bristol–Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 295/12, A61K 31/50, C07D 403/04, 317/58, 207/06, 215/06, 215/24, 217/04, 213/70, 213/30, C07C 237/32, 311/08, 311/21**

(11) **WO 99/54320** (13) A1

(21) PCT/EP99/02620

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 460.8 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL HETEROCYCLICALLY SUBSTITUTED AMIDES WITH CYSTEINE PROTEASE–INHIBITING EFFECT
• NOUVEAUX AMIDES HETEROCYCLIQUEMENT SUBSTITUES A ACTION DE PROTEASES DE CYSTEINE

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUBISCH, Wilfried** [DE/DE]; Häusererstrasse 15, D–69115 Heidelberg (DE). **MÖLLER, Achim** [DE/DE]; Im Zaunrücken 10, D–67269 Grünstadt (DE). **TREIBER, Hans–Jörg** [DE/DE]; Sperberweg 1, D–68782 Brühl (DE). **KNOPP, Monika** [DE/DE]; Karl–Dillinger–Strasse 19, D–67071 Ludwigshafen (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HR HU ID IL IN JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 295/182, A61K 31/17, 31/41, C07C 275/42**

(11) **WO 99/54321** (13) A1

(21) PCT/GB99/01230

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808431.2 **21 Apr/avr 1998** GB **(21.04.1998)**

(30) 9811417.6 **28 May/mai 1998** GB **(28.05.1998)**

(30) 60/104,139 **14 Oct/oct 1998** US **(14.10.1998)**

(30) 60/104,238 **14 Oct/oct 1998** US **(14.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBSTITUTED DIAMINES AND THEIR USE AS CELL ADHESION INHIBITORS
• DIAMINES SUBSTITUEES ET LEUR UTILISATION EN TANT QU'INHIBITEURS D'ADHESION CELLULAIRE

(71) **RHONE–POULENC RORER LIMITED** [GB/GB]; RPR House, 50 Kings Hill Avenue, Kings Hill, West Malling, Kent ME19 4AH (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **McCARTHY, Clive** [GB/GB]; Rhone–Poulenc Rorer Limited, Rainham Road South, Dagenham, Essex RM10 7XS (GB). **HARRIS, Neil, Victor** [GB/GB]; Rhone–Poulenc Rorer Limited, Rainham Road South, Dagenham, Essex RM10 7XS (GB). **MORLEY, Andrew, David** [GB/GB]; Rhone–Poulenc Rorer Limited, Rainham Road South, Dagenham, Essex RM10 7XS (GB).

(74) **CAFFIN, Lee**; Rhone–Poulenc Rorer Limited, Rainham Road South, Dagenham, Essex RM10 7XS (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 305/14**

(11) **WO 99/54322** (13) A1

(21) PCT/CA99/00328

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 2,235,356 **20 Apr/avr 1998** CA **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THE SEMI–SYNTHESIS OF BACCATIN III
• SEMI–SYNTHESE DE BACCATINE III

(71, 72) **ZAMIR, Lolita** [CA/CA]; 810 Upper Lansdowne, Westmount, Quebec H3Y 1J8 (CA). **CARON, Gaétan** [CA/CA]; 355 Perrin #12, Laval, Quebec H7N 5J3 (CA).

(74) **MBM & CO.**; Station B, P.O. Box 809, Ottawa, Ontario K1P 5P9 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 307/58, A61K 31/34, A01N 43/08, C08F 224/00, C23F 14/02, 15/00**

(11) **WO 99/54323** (13) A1

(21) PCT/AU99/00285

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) PP 2978 **16 Apr/avr 1998** AU **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRODUCTION OF FURANONES
• PRODUCTION DE FURANONES

(71) **UNISEARCH LIMITED** [AU/AU]; 221–227 Anzac Parade, Kensington, NSW 2033 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **READ, Roger** [AU/AU]; 7 Lenthall Street, Kensington, NSW 2033 (AU). **KUMAR, Naresh** [AU/AU]; 33 White Avenue, Maroubra, NSW 2035 (AU).

(74) **F.B. RICE & CO.**; 605 Darling Street, Balmain, NSW 2041 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 307/77, 307/32**

(11) **WO 99/54324** (13) A1

(21) PCT/GB99/01190

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9808619.2 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PREPARATION OF CIS–6,6–DIMETHYL–3–OXA–BICYCLO[3.1.0]HEXAN–2–ONE
• PREPARATION DE CIS–6,6–DIMETHYL–3–OXA–BICYCLO[3.1.0]HEXAN–2–ONE

(71) **ZENECA LIMITED** [GB/GB]; 15 Stanhope Gate, London W1Y 6LN (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEVIN, Daniel** [GB/GB]; Huddersfield Works, Leeds Road, P.O. Box A38, Huddersfield HD2 1FF (GB). **GREEVES, Nicholas** [GB/GB]; University of Liverpool, Dept. of Chemistry, Donnan and Robert Robinson Laboratories, Crown Street, Liverpool L69 7ZD (GB). **GUY, Jonathan** [GB/GB]; University of Liverpool, Dept. of Chemistry, Donnan and Robert Robinson Laboratories, Crown Street, Liverpool L69 7ZD (GB).

(74) **TIERNEY, Francis, John** et al. / etc.; Zeneca Agrochemicals, Intellectual Property Dept., Jealott's Hill Research Station, P.O. Box 3538, Bracknell, Berkshire RG42 6YA (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **C07D 307/80, 333/56, 471/04, A61K 31/34, 31/445, 31/47**

(11) **WO 99/54325** (13) A1

(21) PCT/JP99/02037

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/107263 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 1–HETEROINDENE DERIVATIVES AND MEDICINAL COMPOSITION CONTAINING THE SAME
• DERIVES 1–HETEROINDENE ET COMPOSITIONS MEDICINALES A BASE DE TELS DERIVES

(71) **SENGA PHARMACEUTICAL LABORATORY INC.** [JP/JP]; 29–6, Shimoigusa 2–chome, Suginami–ku, Tokyo 167–0022 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OGAWA, Masashi** [JP/JP]; 3–7–3–806, Nagamine, Inagi–shi, Tokyo 206–0821 (JP). **MORITA, Tadashi** [JP/JP]; 2–15–2–202, Fujimidaira, Hamura–shi, Tokyo 205–0013 (JP). **IIBUCHI, Norihiro** [JP/JP]; 2–14–15–201, Naito, Kokubunji–shi, Tokyo 185–0033 (JP). **SUZUKI, Hideaki** [JP/JP]; 4–39–1–408, Midoricho, Tokorozawa–shi, Saitama 359–1111 (JP). **TSUTSUI, Hideyuki** [JP/JP]; 1–12–22, Sakaecho, Hamura–shi, Tokyo 205–0002 (JP). **KANO, Atsuyuki** [JP/JP]; 3–2750–773, Motohachiojimachi, Hachioji–shi, Tokyo 193–0826 (JP). **KATO, Satoru** [JP/JP]; 2–16–22–103, Ozakudai, Hamura–shi, Tokyo 205–0001 (JP).

(74) **HIRAKI, Yusuke** et al. / etc.; Toranomon No.5 Mori Building, 3rd floor, 17–1, Toranomon 1–chome, Minato–ku, Tokyo 105–0001 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 401/04, 213/78, 213/84**

(11) **WO 99/54326** (13) A1

(21) PCT/EP99/02344

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) de (26) de

(30) 198 17 264.8 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DIHYDROPYRIMIDINES
• DIHYDROPYRIMIDINES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STÖLTING, Jörn** [DE/DE]; Roggendorfstrasse 59, D–51061 Köln (DE). **STOLTEFUSS, Jürgen** [DE/DE]; Parkstrasse 20, D–42781 Haan (DE). **GOLDMANN, Siegfried** [DE/DE]; Am Osterholz 91, D–42327 Wuppertal (DE). **KRÄMER, Thomas** [DE/DE]; Schneewittchenweg 37, D–42111 Wuppertal (DE). **SCHLEMMER, Karl–Heinz** [DE/DE]; Wildsteig 22 a, D–42113 Wuppertal (DE). **NIEWÖHNER, Ulrich** [DE/DE]; Gartenstrasse 3, D–42929 Wermelskirchen (DE). **PAESSENS, Arnold** [DE/DE]; Stresemannstrasse 51, D–42781 Haan (DE). **GRAEF, Erwin** [DE/DE]; Konrad–Adenauer–Strasse 35, D–42553 Velbert (DE). **LOTTMANN, Stefan** [DE/DE]; Katernbergerstrasse 169 c, D–42115 Wuppertal (DE). **DERES, Karl** [DE/DE]; Am Kurgarten 45, D–53489 Bad Bodendorf (DE). **WEBER, Olaf** [DE/DE]; Langendorferstrasse 15, D–42489 Wülfrath (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 405/14, A61K 31/41**

(11) **WO 99/54327** (13) A1

(21) PCT/US99/04256

(22) **15 Mar/mar 1999 (15.03.1999)**

(25) en (26) en

(30) 09/061,502 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLUBLE AZOLE ANTIFUNGAL LACTATE SALT
• SEL LACTATE ANTIFONGIQUE SOLUBLE A BASE D'AZOLE

(71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US).

(72) **LOVEY, Raymond, G.**; 65 Woodside Avenue, West Caldwell, NJ 07006 (US). **GIRIJAVALLABHAN, Viyyoor, M.**; 10 Maplewood Drive, Parsippany, NJ 07054 (US). **SAKSENA, Anil, K.**; 53 Beverly Road, Upper Montclair, NJ 07043 (US). **REIDENBERG, Bruce, E.**; 88 Buckingham Road, Upper Montclair, NJ 07043 (US).

(74) **HOFFMAN, Thomas, D.** et al. / etc.; Schering–Plough Corporation, Patent Dept. K–6–1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE HR HU ID IL IN IS JP KG KR KZ LC LK LR LT LU LV MD MG MK MN MX NO NZ PL PT RO RU SE SG SI SK SL TJ TM TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 413/10, A01N 43/56**

(11) **WO 99/54328** (13) A1

(21) PCT/JP99/02113

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/112358 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL BENZOYLPYRAZOLE COMPOUNDS AND HERBICIDE
• NOUVEAU COMPOSES DE BENZOYLPYRAZOLE ET HERBICIDE

(71) **NIPPON SODA CO., LTD.** [JP/JP]; 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–8165 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TANAKA, Katsunori** [JP/JP]; Odawara Research Center, Nippon Soda Co., Ltd., 345, Takada, Odawara–shi, Kanagawa 250–0216 (JP). **ADACHI, Hiroyuki** [JP/JP]; Odawara Research Center, Nippon Soda Co., Ltd., 345, Takada, Odawara–shi, Kanagawa 250–0216 (JP). **KOGUCHI, Masami** [JP/JP]; Odawara Research Center, Nippon Soda Co., Ltd., 345, Takada, Odawara–shi, Kanagawa 250–0216 (JP). **TAKAHASHI, Akihiro** [JP/JP]; Odawara Research Center, Nippon Soda Co., Ltd., 345, Takada, Odawara–shi, Kanagawa 250–0216 (JP).

(74) **TOKAI, Yusaku**; Nippon Soda Co., Ltd., 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–8165 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 417/04, 413/04, 417/14, A61K 31/425**

(11) **WO 99/54329** (13) A1

(21) PCT/EP99/02345

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) de (26) de

(30) 198 17 262.1 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL 2–HETEROCYCLICALLY SUBSTITUTED DIHYDROPYRIMIDINES
• NOUVELLES DIHYDROPYRIMIDINES A SUBSTITUTION 2–HETEROCYCLIQUE

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOLDMANN, Siegfried** [DE/DE]; Am Osterholz 91, D–42327 Wuppertal (DE). **STOLTEFUSS, Jürgen** [DE/DE]; Parkstrasse 20, D–42781 Haan (DE). **PAESSENS, Arnold** [DE/DE]; Stresemannstrasse 51, D–42781 Haan (DE). **GRAEF, Erwin** [DE/DE]; Konrad–Adenauer–Strasse 35, D–42553 Velbert (DE). **LOTTMANN, Stefan** [DE/DE]; Katernberger Strasse 169 c, D–42115 Wuppertal (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 417/06**

(11) **WO 99/54330** (13) A1

(21) PCT/US99/08114

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 60/082,562 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 2,3–OLEFINIC EPOTHILONE DERIVATIVES
• DERIVES D'EPOTHILONE 2,3–OLEFINIQUE

(71) **BRISTOL–MYERS SQUIBB COMPANY** [US/US]; P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(72) **VITE, Gregory, D.**; 28 Continental Lane, Titusville, NJ 08560 (US). **BORZILLERI, Robert, M.**; 15232 Marie Court, Lawrenceville, NJ 08648 (US). **HOFLE, Gerhard**; Alter Weg 12a, D–38124 Braunschweig (DE). **LEIBOLD, Thomas**; In den Lindendoehren 38, D–38300 Braunschweig (DE).

(74) **HOFFMAN, Frank** et al. / etc.; Bristol–Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 473/06, A61K 31/52**

(11) **WO 99/54331** (13) A1

(21) PCT/EP99/02458

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) de (26) de

(30) 198 16 857.8 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL ASYMMETRICALLY SUBSTITUTED XANTHINE DERIVATIVES, METHOD FOR PRODUCING THEM AND THEIR USE AS MEDICAMENTS WITH AN ADENOSINE–ANTAGONISTIC EFFECT
• NOUVEAUX DERIVES DE XANTHINE A SUBSTITUTION ASYMETRIQUE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION COMME MEDICAMENTS A EFFET ANTAGONISTE DE L'ADENOSINE

(71) **BOEHRINGER INGELHEIM PHARMA KG** [DE/DE]; D–55216 Ingelheim (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLECH, Stefan** [DE/DE]; Magdeburger Strasse 38, D–55218 Ingelheim (DE). **CARTER, Adrian** [DE/DE]; Pfarrer–Heberer–Strasse 34a, D–55411 Bingen (DE). **GAIDA, Wolfram** [DE/DE]; Selztalstrasse 77b, D–55218 Ingelheim (DE). **GATH, Ursula** [DE/DE]; Cappenberger Strasse 50, D–44534 Lünen (DE). **HOFFMANN, Matthias** [DE/DE]; Stiegelgasse 19, D–55218 Ingelheim (DE). **KUEFNER–MUEHL, Ulrike** [DE/DE]; Brüder–Grimm–Strasse 37d, D–55218 Ingelheim (DE). **LEHR, Erich** [DE/DE]; In der Toffel 5, D–55425 Waldalgesheim (DE). **MIERAU, Joachim** [DE/DE]; An den Weiden 3, D–55127 Mainz 33 (DE). **POHL, Gerald** [DE/DE]; Im Weiher 8, D–55435 Gau–Algesheim (DE). **WEISER, Thomas** [DE/DE]; Sommer–Winter–Hohl 8b, D–55268 Nieder–Olm (DE).

(81) CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07D 487/04, 519/00, A61K 31/40, C07B 45/06**

(11) **WO 99/54332** (13) A1

(21) PCT/EP99/02513

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 915/98 **22 Apr/avr 1998** CH **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PREPARATION OF ALKYLTHIO– AND/OR ARYLTHIO–SUBSTITUTED DIKETO–DIARYL–PYRROLOPYRROLES
• PREPARATION DE DIKETO–DIARYL–PYRROLOPYRROLES A SUBSTITUTION ALKYLTHIO ET/OU ARYLTHIO

(71) **CIBA SPECIALTY CHEMICALS HOLDING INC.** [CH/CH]; Klybeckstrasse 141, CH–4057 Basel (CH).

(72) **HAO, Zhimin**; Gstaltenrainweg 75, CH–4125 Riehen (CH). **ROCHAT, Alain, Claude**; Route de Schiffenen 40, CH–1700 Fribourg (CH). **SCHLÖDER–TEBALDI, Nancy**; Chemin des Glycines 6, CH–1753 Matran (CH).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 487/04, A61K 31/505, C07D 401/12**

(11) **WO 99/54333** (13) A1

(21) PCT/IB99/00519

(22) **25 Mar/mar 1999 (25.03.1999)**

(25) en (26) en

(30) 9808315.7 **20 Apr/avr 1998** GB **(20.04.1998)**

(30) 9814187.2 **30 Jun/juin 1998** GB **(30.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PYRAZOLOPYRIMIDINONE CGMP PDE5 INHIBITORS FOR THE TREATMENT OF SEXUAL DYSFUNCTION
• INHIBITEURS DE CGMP PDE5 DE PYRAZOLOPYRIMIDINONE SERVANT A TRAITER LE DYSFONCTIONNEMENT SEXUEL

(71) **PFIZER INC.** [US/US]; 235 East 42nd Street, New York, NY 10017 (US).
(for all designated States except / pour tous les États désignés sauf GB US)

(71) **PFIZER LIMITED** [GB/GB]; Ramsgate Road, Sandwich, Kent CT13 9NJ (GB).
(only for / seulement pour GB)

(72, 75) **BUNNAGE, Mark, Edward** [GB/GB]; Pfizer Central Research, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB). **MATHIAS, John, Paul** [GB/GB]; Pfizer Central Research, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB). **STREET, Stephen, Derek, Albert** [GB/GB]; Pfizer Central Research, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB). **WOOD, Anthony** [GB/GB]; Pfizer Central Research, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB).

(74) **SPIEGEL, Allen, J.** et al. / etc.; Pfizer Inc., 235 East 42nd Street, New York, NY 10017 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07D 498/04, C09B 62/04, 19/02**

(11) **WO 99/54334** (13) A1

(21) PCT/IB99/00659

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 9808167.2 **18 Apr/avr 1998 (18.04.1998)** GB

(30) 9808778.6 **27 Apr/avr 1998 (27.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DIOXAZINE DERIVATIVES AND THEIR USE AS DYESTUFFS
• DERIVES DE DIOXAZINE ET LEUR UTILISATION COMME COLORANTS

(71) **CLARIANT FINANCE (BVI) LIMITED** [–/–]; Citco Building, Wickhams Cay, P.O. Box 662, Road Town, Tortola (VG).
(for all designated States except / pour tous les États désignés sauf JP TR)

(71) **CLARIANT INTERNATIONAL LTD.** [CH/CH]; Rothausstrasse 61, CH–4132 Muttenz (CH).
(only for / seulement pour JP TR)

(72) **HASEMANN, Ludwig**; Mühlenbachweg 4, D–79379 Müllheim–Niederweiler (DE).

(74) **D'HAEMER, Jan** et al. / etc.; Clariant International Ltd., Rothausstrasse 61, CH–4132 Muttenz (CH).

(81) BR ID JP MX TR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07F 5/00, C08F 4/52, B01J 31/00**

(11) **WO 99/54335** (13) A1

(21) PCT/US99/06798

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 09/062,236 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STABLE CONCENTRATED RARE EARTH CARBOXYLATE LIQUIDS
• LIQUIDES CONCENTRES STABLES DE CARBOXYLATES DE TERRES RARES

(71) **RHODIA INC.** [US/US]; CN 7500, 259 Prospect Plains Road, Cranbury, NJ 08512 (US).

(72) **YUNLU, Kenan**; 526 Sayre Drive, Princeton, NJ 08540 (US). **HE, Min**; C–17 Avon Drive, East Windsor, NJ 08520 (US). **CUIF, Jean–Pierre**; 42 Markham Road, Princeton, NJ 08540 (US). **ALAS, Michel**; 12, rue Ricard, F–79500 Melle (FR).

(74) **VENTURINO, Anthony, P.**; Stevens, Davis, Miller & Mosher, L.L.P., Suite 850, 1615 L Street, N.W., Washington, DC 20036 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07F 9/32, A61K 31/66**

(11) **WO 99/54336** (13) A1

(21) PCT/FR99/00921

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) fr (26) fr

(30) 98/05009 **22 Apr/avr 1998 (22.04.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • (ALPHA–AMINOPHOSPHINO) PEPTIDESDERIVATIVE AND COMPOSITIONS CONTAINING SAME
• DERIVES D'(ALPHA–AMINOPHOSPHINO) PEPTIDES ET COMPOSITIONS LES CONTENANT

(71) **INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)** [FR/FR]; 101, rue de Tolbiac, F–75654 Paris Cedex 13 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROQUES, Bernard** [FR/FR]; 38, rue Cabanis, F–75014 Paris (FR). **FOURNIE–ZALUSKI, Marie–Claude** [FR/FR]; 16, avenue de Bouvines, F–75011 Paris (FR). **CHEN, Xuixiong** [CN/FR]; 2, rue Mozart, F–92220 Bagneux (FR).

(74) **THOURET–LEMAITRE, Elisabeth**; Synthélabo, 22, avenue Galilée, F–92350 Le Plessis Robinson (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07F 9/50, 15/00, C07B 61/00, C07C 209/10, C07F 9/655**

(11) **WO 99/54337** (13) A1

(21) PCT/US99/08091

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/062,128 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANCILLARY LIGANDS AND METAL COMPLEXES THEREOF
• LIGANDS AUXILIAIRES ET COMPLEXES METALLIQUES DE CEUX–CI

(71) **SYMYX TECHNOLOGIES** [US/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US).

(72) **GURAM, Anil**; 1035 Aster Avenue #1162, Sunnyvale, CA 94086 (US).

(74) **COPPOLA, Joseph, V., Sr.**; Rader, Fishman and Grauer PLLC, Suite 140, 1533 North Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07F 11/00, 3/06, C10L 1/30 // C10M 129/26, C10N 10:12**

(11) **WO 99/54338** (13) A1

(21) PCT/JP99/02091

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/110762 **21 Apr/avr 1998 (21.04.1998)** JP

(30) 10/110767 **21 Apr/avr 1998 (21.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOLYBDENUM SOAP–CONTAINING METAL SOAPS AND PROCESSES FOR PRODUCING THE SAME
• SAVONS METALLIQUES CONTENANT DU MOLYBDENE SAVON ET PROCEDES DE PRODUCTION DE CES DERNIERS

(71) **JAPAN ENERGY CORPORATION** [JP/JP]; 10–1, Toranomon 2–chome, Minato–ku, Tokyo 105–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IMORI, Toru** [JP/JP]; Japan Energy Corporation, 17–35, Niizo Minami 3–chome, Toda–shi, Saitama 335–0026 (JP). **YOSHIDA, Mizuho** [JP/JP]; Japan Energy

Corporation, 17–35, Niizo Minami 3–chome, Toda–shi, Saitama 335–0026 (JP).

(74) **KOMATSU, Hideoka** et al. / etc.; Akasaka Office Heights, 13–5, Akasaka 4–chome, Minato–ku, Tokyo 107–0052 (JP).

(81) JP KR US; EP (DE ES FI FR GB IT).

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(51)[6] **C07F 17/00, C08F 10/00**

(11) **WO 99/54339** (13) A1

(21) PCT/EP99/02561

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 728.3 **21 Apr/avr 1998 (21.04.1998)** DE

(30) 198 17 727.5 **21 Apr/avr 1998 (21.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METALLOCENES WITH SUBSTITUENTS CONTAINING FLUORINE
• METALLOCENES COMPRENANT DES SUBSTITUANTS FLUORES

(71) **TARGOR GMBH** [DE/DE]; Rheinstrasse 4 G, D–55116 Mainz (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRITZE, Cornelia** [DE/DE]; Geisenheimer Strasse 97, D–60529 Frankfurt (DE). **ERKER, Gerhard** [DE/DE]; Adolf–Reichwein–Strasse 50, D–48159 Münster (DE). **RUWWE, Johannes** [DE/DE]; Rostockweg 2, D–48147 Münster (DE).

(74) **ACKERMANN, Joachim**; Aventis Research & Technologies GmbH & Co. KG, Patent– und Lizenzabteilung, Industriepark Höchst, Gebäude K 801, D–65926 Frankfurt am Main (DE).

(81) BR CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07H 21/00, 21/02, 21/04, C12Q 1/68**

(11) **WO 99/54340** (13) A1

(21) PCT/US99/08491

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,449 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENDOTOXIN REDUCTION IN NUCLEIC ACID PURIFICATION
• REDUCTION D'ENDOTOXINES DANS LA PURIFICATION D'ACIDES NUCLEIQUES

(71) **PROMEGA CORPORATION** [US/US]; 2800 Woods Hollow Road, Madison, WI 53711–5399 (US).

(72) **SMITH, Craig, E.**; 969 Autumn Woods Lane, Oregon, WI 53575 (US). **CRESWELL, Donald, A.**; 2555 West Star Road, Cottage Grove, WI 53527 (US). **BITNER, Rex, M.**; W53N598 Birch Street, Cedarburg, WI 53012 (US). **WHITE, Douglas, H.**; 1409 Lucy Lane, Madison, WI 53711 (US). **BUTLER, Braeden, L.**; 843 E. Johnson Street, Madison, WI 53703 (US). **LESLEY, Scott, A.**; 135 Village View Court, Oregon, WI 53575 (US).

(74) **FRENCHICK, Grady, J.** et al. / etc.; Michael Best & Friedrich LLP, Suite 700, One South Pinckney Street, P.O. Box 1806, Madison, WI 53701–1806 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07H 21/04, C12Q 1/68, C12N 15/00, A61K 48/00**

(11) **WO 99/54341** (13) A1

(21) PCT/US99/08434

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/062,416 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENHANCED ANTISENSE MODULATION OF ICAM–1
• MODULATION ANTISENS AMELIOREE DE ICAM–1

(71) **ISIS PHARMACEUTICALS, INC.** [US/US]; Carlsbad Research Center, 2292 Faraday Avenue, Carlsbad, CA 92008 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BENNETT, C., Frank** [US/US]; 1347 Cassins Street, Carlsbad, CA 92009 (US). **CONDON, Thomas, P.** [US/US]; 2450 Mark Circle, Carlsbad, CA 92008 (US). **FLOURNOY, Shin, Cheng** [US/US]; 10960 Sunset Ridge Drive, San Diego, CA 92131 (US).

(74) **LICATA, Jane, Massey** et al. / etc.; Law Offices of Jane Massey Licata, 66 E. Main Street, Marlton, NJ 08053 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07H 21/04, A61K 39/395, 38/43, C12N 15/00**

(11) **WO 99/54342** (13) A1

(21) PCT/US99/08711

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,581 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GLYCOSYLATION ENGINEERING OF ANTIBODIES FOR IMPROVING ANTIBODY–DEPENDENT CELLULAR CYTOTOXICITY
• MODIFICATION PAR GLYCOSYLATION D'ANTICORPS AUX FINS D'AMELIORATION DE LA CYTOTOXICITE CELLULAIRE DEPENDANT DES ANTICORPS

(71, 72) **UMANA, Pablo** [CH/CH]; Milchbuckstrasse 3, CH–8057 Zurich (CH). **JEAN–MAIRET, Joel** [CH/CH]; Birchstrasse 59, CH–8057 Zurich (CH). **BAILEY, James, E.** [US/CH]; Winkelwiese 6, CH–8001 Zurich (CH).

(74) **ABRAMS, Samuel, B.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[5] **C07H 21/04, C12N 15/00, 1/20, C07K 14/435, 16/00, C12P 21/02, G01N 33/566, 33/53, C12Q 1/68**

(11) **WO 99/54343** (13) A2

(21) PCT/US99/08896

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,661 **23 Apr/avr 1998 (23.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL MOLECULES OF THE T139–RELATED PROTEIN FAMILY AND USES THEREOF
• NOUVELLES MOLECULES DE LA FAMILLE DE PROTEINES ASSOCIEES AU T139 ET UTILISATIONS CORRESPONDANTES

(71) **MILLENNIUM BIOTHERAPEUTICS, INC.** [US/US]; 620 Memorial Drive, Cambridge, MA 02142 (US).

(72) **HOLTZMAN, Douglas**; 821 Centre Street #6, Jamaica Plain, MA 02130 (US).

(74) **MEIKLEJOHN, Anita, L.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07J 41/00, A61K 9/127**

(11) **WO 99/54344** (13) A1

(21) PCT/GB99/01171

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808268.8 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITION COMPRISING A COMBINATION OF DERIVATISED CATIONIC LIPOSOMES AND ACTIVE AGENT
• COMPOSITION COMPRENANT UNE COMBINAISON DE LIPOSOMES CATIONIQUES DERIVES ET D'AGENT ACTIF

(71) **IMPERIAL COLLEGE INNOVATIONS LIMITED** [GB/GB]; Sherfield Building, Exhibition Road, London SW7 2AZ (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MILLER, Andrew, David** [GB/GB]; 27 Fairlawn Grove, Chiswick, London W4 5EJ (GB). **ETHERIDGE, Christopher, John** [GB/GB]; 28 Copthorn Avenue, Broxbourne, Hertfordshire EN10 7RA (GB). **FELLOWES, Raymond** [GB/GB]; 5 Meadowview Road, West Ewell, Epsom, Surrey KT19 9TS (GB). **WOO, Patricia** [GB/GB]; 319 Lonsdale Road, Barnes, London SW13 9PY (GB). **DUFFELS, Arno, Tido** [DE/GB]; Darwin College, Silver Street, Cambridge CB3 9EU (GB). **LEY, Steven, Victor** [GB/GB]; 12 Wordsworth Grove, Cambridge CB2 1EW (GB).

(74) **MALLALIEU, Catherine, Louise** et al. / etc.; D. Young & Co., 21 New Fetter Lane, London EC4A 1DA (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07K 5/00**

(11) **WO 99/54345** (13) A1

(21) PCT/US99/08814

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,436 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CD8 ANTAGONISTS
• ANTAGONISTES DE CD8

(71) **THOMAS JEFFERSON UNIVERSITY** [US/US]; 11th and Walnut Streets, Philadelphia, PA 19107 (US).

(72) **KORNGOLD, Robert**; 101 Dalton Terrace, Cherry Hill, NJ 08003 (US). **HUANG, Ziwei**; Apartment A, 729 South Street, Philadelphia, PA 19147 (US). **CHOKSI, Swati**; 341 Sussex Boulevard, Broomall, PA 19008–9128 (US).

(74) **JOHNSON, Philip, S.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07K 5/037, A61K 38/06**

(11) **WO 99/54346** (13) A1

(21) PCT/JP99/02044

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/106359 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GLUTATHIONE DERIVATIVES AND DOSAGE FORMS THEREOF
• DERIVES DU GLUTATHIONE ET LEUR FORME POSOLOGIQUE

(71) **TEIJIN LIMITED** [JP/JP]; 6–7, Minamihommachi 1–chome, Chuo–ku, Osaka–shi, Osaka 541–0054 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SAKON, Kiyoyuki** [JP/JP]; Teijin Limited, Tokyo Research Center, 3–2, Asahigaoka 4–chome, Hino–shi, Tokyo 191–0065 (JP). **NANIWA, Yoshimitsu** [JP/JP]; Teijin Limited, Tokyo Research Center, 3–2, Asahigaoka 4–chome, Hino–shi, Tokyo 191–0065 (JP). **KOBAYASHI, Mitsuru** [JP/JP]; Teijin Limited, Tokyo Research Center, 3–2, Asahigaoka 4–chome, Hino–shi, Tokyo 191–0065 (JP). **MIURA, Daishiro** [JP/JP]; Teijin Limited, Tokyo Research Center, 3–2, Asahigaoka 4–chome, Hino–shi, Tokyo 191–0065 (JP). **IMAI, Hiroshi** [JP/JP]; Teijin Limited, Tokyo Research Center, 3–2, Asahigaoka 4–chome, Hino–shi, Tokyo 191–0065 (JP). **IMAIZUMI, Atsushi** [JP/JP]; Teijin Limited, Tokyo Research Center, 3–2, Asahigaoka 4–chome, Hino–shi, Tokyo 191–0065 (JP).

(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki, Ishida & Associates, Toranomon 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–8423 (JP).

(81) AU CA CN ID JP KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07K 14/00**

(11) **WO 99/54347** (13) A2

(21) PCT/EP99/02610

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,257 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THE ALZHEIMER–ASSOCIATED β–AMYLOID BINDING PROTEIN (ERAB) IS HIGHLY UPREGULATED IN THE TESTICULAR LEYDIG CELLS OF THE AZOOSPERMIC W/W^{v} MOUSE: IDENTIFICATION BY DIFFERENTIAL DISPLAY RT–PCR
• LA PROTEINE DE LIAISON β–AMYLOIDE ASSOCIEE A LA MALADIE D'ALZHEIMER (ERAB) CONNAIT UNE HAUTE REGULATION POSITIVE DANS LES CELLULES LEYDIGIENNES TESTICULAIRES DE LA SOURIS W/W^{v} à AZOOSPERMIE: IDENTIFICATION PAR AFFICHAGE DIFFERENTIEL RT–PCR

(71) **INSTITUT FÜR HORMON– UND FORTPFLANZUNGSFORSCHUNG AN DER UNIVERSITÄT HAMBURG** [DE/DE]; Grandweg 64, D–22529 Hamburg (DE).

(72) **IVELL, Richard**; Methfesselstrasse 45, D–20247 Hamburg (DE). **SPIESS, Andrej–Nikolei**; Grottenstrasse 1a, D–22607 Hamburg (DE). **BALVERS, Marga**; Krischan–Kreibohm–Weg 19, D–22399 Hamburg (DE). **JÄHNER, Detlef**; Rellinger Strasse 68, D–20257 Hamburg (DE). **HANSIS, Christoph**; Humboldtstrasse 17, D–53115 Bonn (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07K 14/00, C07H 21/04, C12N 15/11, 15/63, 1/21, 15/85, 15/86**

(11) **WO 99/54348** (13) A1

(21) PCT/US98/24323

(22) **13 Nov/nov 1998 (13.11.1998)**

(25) en (26) en

(30) 09/062,102 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RAPIDLY DEGRADING GFP–FUSION PROTEINS AND METHODS OF USE
• PROTEINES DE FUSION GFP A DEGRADATION RAPIDE ET METHODES D'UTILISATION

(71) **CLONTECH LABORATORIES, INC.** [US/US]; 1020 East Meadow Drive, Palo Alto, CA 94303 (US).

(72) **LI, Xianqiang**; 3989 Middlefield Road, Palo Alto, CA 94303 (US). **KAIN, Steve**; 403 Read Avenue, Belmont, CA 94002 (US).

(74) **ADLER, Benjamin, A.**; McGregor & Adler, 8011 Candle Lane, Houston, TX 77071 (US).

(81) AU CA IL JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07K 14/00**

(11) **WO 99/54349** (13) A2

(21) PCT/US99/08524

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,013 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 60/085,295 **13 May/mai 1998** US **(13.05.1998)**

(30) 60/098,909 **2 Sep/sep 1998** US **(02.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • *DERMATOPHAGOIDES* NUCLEIC ACID MOLECULES, PROTEINS AND USES THEREOF
• MOLECULES D'ACIDES NUCLEIQUES DERMATOPHAGOIDES, PROTEINES ET LEURS UTILISATIONS

(71) **HESKA CORPORATION** [US/US]; 1613 Prospect Parkway, Fort Collins, CO 80525 (US).

(72) **McCALL, Catherine, Anne**; 709 Pleasant Street, Boulder, CO 80302 (US). **HUNTER, Shirley, Wu**; 2325 Tanglewood Drive, Fort Collins, CO 80525 (US). **WEBER, Eric, R.**; 2625 Silver Creek Drive, Fort Collins, CO 80525 (US).

(74) **CONNELL, Gary, J.** et al. / etc.; Sheridan Ross P.C., Suite 3500, 1700 Lincoln Street, Denver, CO 80203–4501 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07K 14/435, 16/18, A61K 38/17, C12N 15/12**

(11) **WO 99/54350** (13) A1

(21) PCT/AU99/00288

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) PP 2989 **16 Apr/avr 1998** AU **(16.04.1998)**

(30) PP 8419 **1 Feb/fév 1999** AU **(01.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL OMEGA CONOTOXIN PEPTIDES
• NOUVEAUX PEPTIDES D'OMEGA CONOTOXINE

(71) **THE UNIVERSITY OF QUEENSLAND** [AU/AU]; St. Lucia, QLD 4072 (AU).
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(72, 75) **DRINKWATER, Roger, Desmond** [AU/AU]; 7 Sophia Street, Kenmore, QLD 4069 (AU). **LEWIS, Richard, James** [AU/AU]; 20 Ross Street, Woolloongabba, QLD 4102 (AU). **ALEWOOD, Paul, Francis** [AU/AU]; 10 Vanwall Road, Moggill, QLD 4070 (AU). **NIELSEN, Katherine, Justine** [AU/AU]; 17 Lambourn Street, Chapel Hill, QLD 4069 (AU).

(74) **SLATTERY, John, M.** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07K 14/435, 14/47, 14/705, C12N 5/10, 15/85, G01N 33/53, 33/566**

(11) **WO 99/54351** (13) A1

(21) PCT/US99/08099

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 60/082,776 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/150,650 **3 Sep/sep 1998** US **(03.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EDG FAMILY GENE, HUMAN H218
• GENE DE LA FAMILLE EDG, POLYPEPTIDES HUMAINS H218

(71) **SMITHKLINE BEECHAM CORPORATION** [US/US]; One Franklin Plaza, Philadelphia, PA 19103 (US).

(72) **BERGSMA, Derk, J.**; 271 Irish Road, Berwyn, PA 19312 (US). **ELSHOURBAGY, Nabil**; 1648 Bowtree Drive, West Chester, PA 19380 (US). **LANE, Pamela**; 31 Colton Drive, Norristown, PA 19401 (US). **LI, Xiaotong**; 332 Sugartown Road, Devon, PA 19333 (US). **MOONEY, Jeffrey, L.**; 143 Winged Foot Court, Limerick, PA 19468 (US). **TSUI, Ping**; 1237 Berwyn–Paoli Road, Berwyn, PA 19312 (US).

(74) **ANDERSEN, Robert, L.** et al. / etc.; Ratner & Prestia, 301, One Westlakes (Berwyn), P.O. Box 980, Valley Forge, PA 19482–0980 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07K 14/47, A61K 38/17**

(11) **WO 99/54352** (13) A2

(21) PCT/DE99/01137

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 16 902.7 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SREBP–1 AND SREBP–2 IN A PHOSPHORYLATED FORM
• SREBP–1 ET SREBP–2 SOUS FORME PHOSPHORYLEE

(71, 72) **KRONE, Wilhelm** [DE/DE]; Spitzwegstrasse 8, D–50933 Köln (DE). **MÜLLER–WIELAND, Dirk** [DE/DE]; Am Hohwinkel 1, D–51503 Rösrath (DE).

(74) **VOSSIUS, Volker** et al. / etc.; Holbeinstrasse 5, D–81679 München (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **C07K 14/47, C12N 15/10, 15/11, 15/12, 5/10, C07K 16/18, C12N 15/79**

(11) **WO 99/54353** (13) A2

(21) PCT/DE99/01175

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 946.4 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN NUCLEIC ACID SEQUENCES OF NORMAL UTERUS TISSUE
• SEQUENCES D'ACIDE NUCLEIQUE HUMAINES PROVENANT DU TISSU NORMAL DE L'UTERUS

(71) **METAGEN GESELLSCHAFT FÜR GENOMFORSCHUNG MBH** [DE/DE]; Ihnestrasse 63, D–14195 Berlin (DE).
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(72, 75) **SPECHT, Thomas** [DE/DE]; Grabenstrasse 14, D–12209 Berlin (DE). **HINZMANN, Bernd** [DE/DE]; Parkstrasse 19, D–13127 Berlin (DE). **SCHMITT, Armin** [DE/DE]; Laubacher Strasse 6/II, D–14197 Berlin (DE). **PILARSKY, Christian** [DE/DE]; Heinrich–Lange–Strasse 13c, D–01474 Schönfeld–Weißig (DE). **DAHL, Edgar** [DE/DE]; Eleonore–Procheska–Strasse 6, D–14480 Potsdam (DE). **ROSENTHAL, André** [DE/DE]; Koppenplatz 10, D–10115 Berlin (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07K 14/47, 16/18, A61K 35/52**

(11) **WO 99/54354** (13) A1

(21) PCT/US99/08282

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,753 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SP22, A FERTILITY–ASSOCIATED PROTEIN FROM SPERM AND A METHOD FOR EVALUATING AND AFFECTING MALE FERTILITY USING IT
• SP–22, UNE PROTEINE PROVENANT DU SPERME ET LIEE A LA FECONDITE ET PROCEDE POUR EVALUER ET INFLUENCER LA FECONDITE CHEZ LES MALES AVEC CETTE PROTEINE

(71) **U.S. ENVIRONMENTAL PROTECTION AGENCY** [US/US]; 401 M Street N.W., Washington, DC 20004 (US).

(72) **KLINEFELTER, Gary**; 20 Brittany Lane, Fuquay–Varina, NC 27526 (US).

(74) **KORNBAU, Anne, M.**; Browdy and Neimark P.L.L.C., Suite 300, 419 Seventh Street N.W., Washington, DC 20004 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07K 14/47, 1/36**

(11) **WO 99/54355** (13) A1

(21) PCT/US99/08309

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/065,224 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR THE RECOVERY AND PURIFICATION OF A RECOMBINANT PROTEIN FROM A CELL
• PROCEDE DE RECUPERATION ET DE PURIFICATION D'UNE PROTEINE RECOMBINANTE DEPUIS UNE CELLULE

(71) **ABBOTT LABORATORIES** [US/US]; CHAD 0377/AP6D–2, 100 Abbott Park Road, Abbott Park, IL 60064–6050 (US).

(72) **CARNEY, Ronald, E.**; 2407 Tenth Street, Winthrop Harbor, IL 60096 (US). **ARNDT, Joseph**; 1368 Worthington Woods Boulevard, Columbus, OH 43085–4748 (US). **LIST, Julie, R.**; 1350 S. White Oak Drive #323, Waukegan, IL 60085 (US). **SCHWARTZ, Ellen, Marie**; 2753 W. Bonnie Brook Lane, Waukegan, IL 60087 (US).

(74) **SICKERT, Dugal, S.** et al. / etc.; Abbott Laboratories, CHAD 0377/AP6D–2, 100 Abbott Park Road, Abbott Park, IL 60064–3500 (US).

(81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07K 14/485, A61K 38/18**

(11) **WO 99/54356** (13) A1

(21) PCT/GB99/01211

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808407.2 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PEPTIDE FRAGMENTS OF MURINE EPIDERMAL GROWTH FACTOR AS LAMININ RECEPTOR TARGETS
• FRAGMENTS DE PEPTIDES DU FACTEUR DE CROISSANCE EPIDERMIQUE MURIN EN TANT QUE CIBLES DU RECEPTEUR DE LA LAMININE

(71) **THE QUEEN'S UNIVERSITY OF BELFAST** [GB/GB]; 8 Malone Road, Belfast BT9 5BN (GB).
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(72, 75) **NELSON, John** [GB/GB]; 59 Ashley Avenue, Belfast BT9 7BU (GB). **WALKER, Brian** [GB/GB]; 10 Castleview, DUNDRUM BT33 0AS (GB). **McFERRAN, Neil** [GB/GB]; 65 Marlborough Park South, Belfast BT9 6HS (GB). **HARRIOTT, Patrick** [GB/GB]; 12 William Alex Park, Finaghy, Belfast BT10 0LN (GB).

(74) **MURGITROYD & COMPANY**; 373 Scotland Street, Glasgow G5 8QA (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07K 14/52, C12N 15/19, 15/63, 5/10, C12P 21/02, G01N 33/68, A61K 38/19, C07K 16/24, C12Q 1/68 // C12P 21/08, (C12P 21/02, C12R 1:91)**

(11) **WO 99/54357** (13) A1

(21) PCT/JP99/01997

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/121805 **14 Apr/avr 1998** JP **(14.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL CYTOKINE–LIKE PROTEIN
• NOUVELLE PROTEINE DU TYPE CYTOKINE

(71) **CHUGAI RESEARCH INSTITUTE FOR MOLECULAR MEDICINE, INC.** [JP/JP]; 153–2, Nagai, Niihari–mura, Niihari–gun, Ibaraki 300–4101 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIRATA, Yuichi** [JP/JP]; Chugai Research Institute for Molecular Medicine, Inc., 153–2, Nagai, Niihari–mura, Niihari–gun, Ibaraki 300–4101 (JP).

(74) **SHIMIZU, Hatsushi** et al. / etc.; Kantetsu Tsukuba Building 6F, 1–1–1, Oroshi–machi, Tsuchiura–shi, Ibaraki 300–0847 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **C07K 14/68, 14/685, A61K 38/34**

(11) **WO 99/54358** (13) A1

(21) PCT/GB99/01195

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9808229.0 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MELANOCORTIN RECEPTOR LIGANDS
• LIGANDS DES RECEPTEURS DE MELANOCORTINES

(71) **QUADRANT HOLDINGS CAMBRIDGE LIMITED** [GB/GB]; 1 Mere Way, Ruddington, Nottingham NG11 7JS (GB).
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(72, 75) **ADAN, Roger, Antonius, Henricus** [NL/NL]; Dept. of Medical Pharmacology, Rudolf Magnus Institute for Neurosciences, Utrecht University, Universiteitsweg 100, NL–3508 TA Utrecht (NL). **GISPEN, Willem, Hendrik** [NL/NL]; Dept. of Medical Pharmacology, Rudolf Magnus Institute for Neurosciences, Utrecht University, Universiteitsweg 100, NL–3508 TA Utrecht (NL).

(74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C07K 19/00, 14/65, C07H 21/04, C12N 15/62, 15/12, 15/19, 15/16, 9/20, 9/74, A61K 38/18, A61L 27/00**

(11) **WO 99/54359** (13) A1

(21) PCT/AU99/00292

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) PP 2984 **17 Apr/avr 1998** AU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MATRIX BINDING FACTOR
• FACTEUR DE LIAISON MATRICIELLE

(71) **GROPEP PTY. LTD.** [AU/AU]; Gate 11, Victoria Drive, Adelaide, S.A. 5000 (AU). **BELFORD, David, Andrew** [AU/AU]; 19 Thomas Street, Seacliff Park, S.A. 5049 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HUMPHRYS, Simon, Troy** [AU/AU]; Mulberry Farm, Barker Road, Mount Barker, S.A. 5251 (AU). **BALLARD, Francis, John** [AU/AU]; 52A Bridge Street, Kensington, S.A. 5068 (AU).

(74) **GRIFFITH HACK**; 3rd floor, 509 St. Kilda Road, Melbourne, VIC 3004 (AU).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C07K 19/00, 14/47, 16/00, G01N 33/566, 33/53**

(11) **WO 99/54360** (13) A1

(21) PCT/JP99/00089

(22) **13 Jan/jan 1999 (13.01.1999)**

(25) ja (26) ja

(30) 10/113962 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBSTANCE WITH ANTITHROMBOTIC ACTIVITY AND METHOD FOR DETECTING GLYCOKALLIDIN
• SUBSTANCE POSSEDANT UNE ACTIVITE ANTITHROMBOTIQUE ET PROCEDE DE DETECTION DE GLYCOKALLIDINE

(71) **AJINOMOTO CO., INC.** [JP/JP]; 15–1, Kyobashi 1–chome, Chuo–ku, Tokyo 104–0031 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FUKUCHI, Naoyuki** [JP/JP]; Ajinomoto Co., Inc., Pharmaceutical Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **FUTAKI, Fumie** [JP/JP]; Ajinomoto Co., Inc., Pharmaceutical Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **KITO, Morikazu** [JP/JP]; Ajinomoto Co., Inc., Pharmaceutical Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **SATO, Seiichi** [JP/JP]; Ajinomoto Co., Inc., Pharmaceutical Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **KAJIURA, Takayuki** [JP/JP]; Ajinomoto Co., Inc., Pharmaceutical Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **ONO, Yukitsugu** [JP/JP]; Ajinomoto Co., Inc., Pharmaceutical Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **ISHII, Koichi** [JP/JP]; Ajinomoto Co., Inc., Amino Science Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **TANAKA, Akiko** [JP/JP]; Ajinomoto Co., Inc., Pharmaceutical Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **SHINOZAKI, Junko** [JP/JP]; Ajinomoto Co., Inc., Pharmaceutical Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **JOJIMA, Yasuko** [JP/JP]; Ajinomoto Co., Inc., Central Research Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP).

(74) **TOYAMA, Tsutomu** et al. / etc.; Yokoyama Building, 6th floor, 4–10, Higashi Nihonbashi 3–chome, Chuo–ku, Tokyo 103–0004 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08B 1/00**

(11) **WO 99/54361** (13) A1

(21) PCT/EP99/02472

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) de (26) de

(30) 198 17 454.3 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR ACTIVATING AND DERIVATIZING CELLULOSE
• PROCEDE POUR L'ACTIVATION ET LA DERIVATISATION DE CELLULOSE

(71) **WOLFF WALSRODE AG** [DE/DE]; D–29655 Walsrode (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WAGNER, Thomas** [DE/DE]; Am Badeteich 22, D–29664 Walsrode (DE). **KLOHR, Erik–Andreas** [DE/DE]; Kirchboitzen 146, D–29664 Walsrode (DE). **KOCH, Wolfgang** [DE/DE]; An der Warnau 40, D–29669 Bomlitz (DE). **SZABLIKOWSKI, Klaus** [DE/DE]; Claudiusstrasse 5, D–29664 Walsrode (DE). **WAGENKNECHT, Wolfgang** [DE/DE]; Ruhlsdorfer Strasse 5, D–14513 Teltow (DE). **LOTH, Fritz** [DE/DE]; Malchower Strasse 211, D–14513 Teltow (DE). **WETZEL, Hendrik** [DE/DE]; Rathausstrasse 65, D–12105 Berlin (DE).

(74) **PETTRICH, Klaus–Günter**; Bayer Aktiengesellschaft, D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08F 2/00, B01J 19/24, C08F 2/06, B01J 19/00, C08F 20/12**

(11) **WO 99/54362** (13) A1

(21) PCT/EP99/01734

(22) **17 Mar/mar 1999 (17.03.1999)**

(25) de (26) de

(30) 198 16 886.1 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR CONTINUOUS PRODUCTION OF POLYMERS
• PROCEDE ET DISPOSITIF POUR LA PRODUCTION EN CONTINU DE POLYMERES

(71) **AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO. KG** [DE/DE]; D–65926 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PYSALL, Detlev** [DE/DE]; Odenwaldring 110A, D–63303 Dreieich (DE). **WACHSEN, Olaf** [DE/DE]; Johannesallee 15, D–65929 Frankfurt am Main (DE). **BAYER, Thomas** [DE/DE]; Buchenweg 16, D–65812 Bad Soden (DE). **WULF, Stefan** [DE/DE]; Dammerstrasse 111, D–41066 Mönchengladbach (DE).

(81) AU BR CA CN IN JP KR MX NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08F 2/50, G03F 7/031**

(11) **WO 99/54363** (13) A1

(21) PCT/US99/08527

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,143 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL PHOTOINITIATORS AND APPLICATIONS THEREFOR
• NOUVEAUX PHOTOAMORCEURS ET LEURS APPLICATIONS

(71) **KIMBERLY–CLARK WORLDWIDE, INC.** [US/US]; 401 North Lake Street, Neenah, WI 54956 (US).

(72) **NOHR, Ronald, Sinclair**; 9855 Nesbit Lakes Drive, Alpharetta, GA 30201 (US). **MACDONALD, John, Gavin**; 1472 Knollwood Terrace, Decatur, GA 30033 (US).

(74) **WITHERS, James, D.**; Jones & Askew, LLP, 2400 Monarch Tower, 3424 Peachtree Road, N.E., Atlanta, GA 30326 (US) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08F 4/642, 4/70, 4/16, 4/26, 10/00**

(11) **WO 99/54364** (13) A1

(21) PCT/JP99/02018

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/106439 **16 Apr/avr 1998** JP **(16.04.1998)**

(30) 10/176270 **23 Jun/juin 1998** JP **(23.06.1998)**

(30) 10/208375 **23 Jul/juil 1998** JP **(23.07.1998)**

(30) 10/250670 **4 Sep/sep 1998** JP **(04.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CATALYST FOR OLEFIN POLYMERIZATION AND METHOD OF POLYMERIZING OLEFIN
• CATALYSEUR DE POLYMERISATION D'OLEFINE ET PROCEDE DE POLYMERISATION D'OLEFINE

(71) **MITSUI CHEMICALS, INC.** [JP/JP]; 2–5, Kasumigaseki 3–chome, Chiyoda–ku, Tokyo 100–6070 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MATSUI, Shigekazu** [JP/JP]; Mitsui Chemicals, Inc., 1–2, Waki 6–chome, Waki–cho, Kuga–gun, Yamaguchi 740–0061 (JP). **NITABARU, Masatoshi** [JP/JP]; Mitsui Chemicals, Inc., 1–2, Waki 6–chome, Waki–cho, Kuga–gun, Yamaguchi 740–0061 (JP). **TSURU, Kazutaka** [JP/JP]; Mitsui Chemicals, Inc., 1–2, Waki 6–chome, Waki–cho, Kuga–gun, Yamaguchi 740–0061 (JP). **FUJITA, Terunori** [JP/JP]; Mitsui Chemicals, Inc., 1–2, Waki 6–chome, Waki–cho, Kuga–gun, Yamaguchi 740–0061 (JP). **SUZUKI, Yasuhiko** [JP/JP]; Mitsui Chemicals, Inc., 1–2, Waki 6–chome, Waki–cho, Kuga–gun, Yamaguchi 740–0061 (JP). **TAKAGI, Yukihiro** [JP/JP]; Mitsui Chemicals, Inc., 1–2, Waki 6–chome, Waki–cho, Kuga–gun, Yamaguchi 740–0061 (JP). **TANAKA, Hidetsugu** [JP/JP]; Mitsui Chemicals, Inc., 1–2, Waki 6–chome, Waki–cho, Kuga–gun, Yamaguchi 740–0061 (JP).

(74) **SUZUKI, Shunichiro**; Suzuki & Associates, Gotanda Yamazaki Building 6F, 13–6, Nishigotanda 7–chome, Shinagawa–ku, Tokyo 141–0031 (JP).

(81) CN JP KR SG US; EP (BE DE ES FR NL).

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(51)[6] **C08F 8/26**

(11) **WO 99/54365** (13) A1

(21) PCT/US99/08191

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/063,472 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REMOVAL OF HALOGENS FROM POLYMERIZATION PRODUCT AND THE REDUCED HALOGEN POLYMER AND METHOD
• RETRAIT D'HALOGENES D'UN PRODUIT DE POLYMERISATION, POLYMERE REDUIT EN HALOGENE ET PROCEDE DE PRODUCTION

(71) **PPG INDUSTRIES OHIO, INC.** [US/US]; 3800 West 143rd Street, Cleveland, OH 44411 (US).

(72) **McCOLLUM, Gregory, J.**; 5130 Bronwyn Court, Gibsonia, PA 15044 (US). **O'DWYER, James, B.**; 111 Spring Valley Road, Valencia, PA 16059 (US). **COCA, Simion**; Apartment 28, 4 Bayard Road, Pittsburgh, PA 15213 (US).

(74) **UHL, William, J.**; PPG Industries, Inc., One PPG Place, Pittsburgh, PA 15272 (US) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08F 8/32**

(11) **WO 99/54366** (13) A1

(21) PCT/EP99/02399

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 679.1 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING OSMOTICALLY AND MECHANICALLY STABLE GEL–LIKE ANION EXCHANGERS
• PROCEDE POUR LA FABRICATION D'ECHANGEURS ANIONIQUES GELIFORMES A STABILITE OSMOTIQUE ET MECANIQUE

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LÜTJENS, Holger** [DE/DE]; Rybnikerstrasse 12, D–51065 Köln (DE). **KLIPPER, Reinhold** [DE/DE]; Geilenkircherstrasse 29, D–50933 Köln (DE). **MARTIN, Georg** [DE/DE]; Von–Galen–Strasse 2, D–40764 Langenfeld (DE). **MITSCHKER, Alfred** [DE/DE]; Am Gartenfeld 50, D–51519 Odenthal (DE). **HOLZBRECHER, Michael** [DE/DE]; Am Scheffert 11, D–51766 Engelskirchen (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08F 10/00, 4/60**

(11) **WO 99/54367** (13) A1

(21) PCT/EP99/02562

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 726.7 **21 Apr/avr 1998** DE **(21.04.1998)**

(30) 198 17 725.9 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CATALYST SYSTEM COMPOSED OF METALLOCENES COMPRISING SUBSTITUENTS CONTAINING FLUORINE
• SYSTEME CATALYSEUR COMPOSE DE METALLOCENES COMPRENANT DES SUBSTITUANTS FLUORES

(71) **TARGOR GMBH** [DE/DE]; Rheinstrasse 4 G, D–55116 Mainz (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRITZE, Cornelia** [DE/DE]; Geisenheimer Strasse 97, D–60529 Frankfurt (DE). **ERKER, Gerhard** [DE/DE]; Adolf–Reichwein–Strasse 50, D–48159 Münster (DE). **RUWWE, Johannes** [DE/DE]; Rostockweg 2, D–48147 Münster (DE).

(74) **ACKERMANN, Joachim**; Aventis Research & Technologies GmbH & Co. KG, Patent– und Lizenzabteilung, Industriepark Höchst, Gebäude K 801, D–65926 Frankfurt am Main (DE).

(81) BR CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08F 10/00, 4/64, 2/14**

(11) **WO 99/54368** (13) A1

(21) PCT/EP99/02563

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 724.0 **21 Apr/avr 1998** DE **(21.04.1998)**

(30) 198 17 723.2 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING POLYPROPYLENE WITH SPECIAL METALLOCENES
• PROCEDE DE PRODUCTION DE POLYPROPYLENE DOTE DE METALLOCENES SPECIAUX

(71) **TARGOR GMBH** [DE/DE]; Rheinstrasse 4 G, D–55116 Mainz (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRITZE, Cornelia** [DE/DE]; Geisenheimer Strasse 97, D–60529 Frankfurt am Main (DE). **ERKER, Gerhard** [DE/DE]; Adolf–Reichwein–Strasse 50, D–48159 Münster (DE). **RUWWE, Johannes** [DE/DE]; Rostockweg 2, D–48147 Münster (DE).

(74) **ACKERMANN, Joachim**; Aventis Research & Technologies GmbH & Co. KG, Patent– und Lizenzabteilung, Industriepark Höchst, Gebäude K 801, D–65926 Frankfurt am Main (DE).

(81) BR CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08F 10/02, 4/60**

(11) **WO 99/54369** (13) A1

(21) PCT/EP99/02644

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 98201287.4 **21 Apr/avr 1998** EP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR THE PREPARATION OF COPOLYMERS OF ETHYLENE WITH ALPHA–OLEFINS
• PROCEDE DE PREPARATION DE COPOLYMERES D'ETHYLENE A L'AIDE D'ALPHA–OLEFINES

(71) **MONTELL TECHNOLOGY COMPANY B.V.** [NL/NL]; Hoeksteen 66, NL–2132 MS Hoofddorp (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DALL'OCCO, Tiziano** [IT/IT]; Via E. Farolfi, 3, I–44100 Ferrara (IT). **RESCONI, Luigi** [IT/IT]; Via Arianuova, 56/B, I–44100 Ferrara (IT).

(74) **ZANOLI, Enrico**; Montell Italia S.p.A., Intellectual Property, Patents and Trademarks, Via Pergolesi, 25, I–20124 Milano (IT).

(81) CA CN JP KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08G 18/32**

(11) **WO 99/54370** (13) A1

(21) PCT/EP99/02604

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 539.6 **16 Apr/avr 1998** DE **(16.04.1998)**

(30) 198 52 151.0 **4 Nov/nov 1998** DE **(04.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING POLYURETHANES
• PROCEDE DE PRODUCTION DE POLYURETHANNES

(71) **HAVEL–CHEMIE AG** [DE/DE]; Recyclingkunststoffe Verwertung Vertrieb, Kanalstrasse 17, D–16727 Velten (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BEHRENDT, Gerhard** [DE/DE]; Mahonienweg 59, D–12437 Berlin (DE). **POHL, Martin** [DE/DE]; Carola–Neher–Strasse 22, D–12619 Berlin (DE).

(74) **GULDE, Klaus, W.** et al. / etc.; Lützowplatz 11–13, D–10785 Berlin (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 18/32, 18/38, C08J 9/08**

(11) **WO 99/54371** (13) A1

(21) PCT/US99/08735

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,486 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RIGID POLYURETHANE FOAMS AND METHOD TO FORM SAID FOAMS USING LOW MOLECULAR WEIGHT DIOLS AND TRIOLS
• MOUSSES DE POLYURETANE RIGIDES ET FORMATION DE CES MOUSSES AU MOYEN DE DIOLS ET TRIOLS DE FAIBLE MASSE MOLECULAIRE

(71) **ESSEX SPECIALTY PRODUCTS, INC.** [US/US]; 1250 Harmon Road, Auburn Hills, MI 48326 (US).

(72) **MATIJEGA, Roney, J.**; 1676 Newman, Lake Orion, MI 48362–2247 (US).

(74) **HILL, Stanley, K.**; Patent Dept., P.O. Box 1967, Midland, MI 48641–1967 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 59/18, H01L 21/56, B23K 35/36**

(11) **WO 99/54372** (13) A1

(21) PCT/GB99/01236

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808587.1 **22 Apr/avr 1998** GB **(22.04.1998)**

(30) 9821162.6 **29 Sep/sep 1998** GB **(29.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADHESIVE AND ENCAPSULATING MATERIAL WITH FLUXING PROPERTIES
• MATIERE ADHESIVE ET ENROBANTE AVEC PROPRIETES DE FONDANT

(71) **MULTICORE SOLDERS LIMITED** [GB/GB]; Kelsey House, Wood Lane End, Hemel Hempstead, Hertfordshire HP2 4RQ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **CRAIG, Hugh, Patrick** [US/GB]; 7 Usk Bridge Mews, Usk, Gwent NP15 1SW (GB).

(72, 75) **LOWRIE, David, John, James** [GB/GB]; 4 The Close, Bracebridge Heath, Lincoln ON4 2PB (GB).

(74) **SILVERMAN, Warren**; Haseltine Lake & Co., Imperial House, 15–19 Kingsway, London WC2B 6UD (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW.

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(51)[6] **C08G 59/40, 18/28, 67/04, 73/02, 64/20, 63/78**

(11) **WO 99/54373** (13) A1

(21) PCT/JP99/01519

(22) **25 Mar/mar 1999 (25.03.1999)**

(25) ja (26) ja

(30) 10/124183 **17 Apr/avr 1998** JP **(17.04.1998)**

(30) 11/32229 **10 Feb/fév 1999** JP **(10.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CURABLE COMPOSITION AND CURED ARTICLE THEREOF
• COMPOSITION DURCISSABLE ET ARTICLE DURCI

(71) **SANYO CHEMICAL INDUSTRIES, LTD.** [JP/JP]; 11–1, Ikkyo Nomotocho, Higashiyama–ku, Kyoto–shi, Kyoto 605–0995 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KINSHO, Toshihiko** [JP/JP]; Sanyo Chemical Industries, Ltd., 11–1, Ikkyo Nomotocho, Higashiyama–ku, Kyoto–shi, Kyoto 605–0995 (JP).

(74) **YASUTOMI, Yasuo** et al. / etc.; Recruit Shin Osaka Building, 14–22, Nishinakajima 5–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0011 (JP).

(81) CN DE JP KR US.

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(51)[6] **C08G 61/08, B29C 43/02, B29B 11/14 // B29K 45:00**

(11) **WO 99/54374** (13) A1

(21) PCT/JP99/02164

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) ja (26) ja

(30) 10/113223 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CURABLE MOLDING MATERIAL AND METHOD FOR PRODUCING MOLDED ARTICLE
• MATERIAU DE MOULAGE DURCISSABLE ET PROCEDE DE PRODUCTION D'UN ARTICLE MOULE

(71) **HITACHI CHEMICAL COMPANY, LTD.** [JP/JP]; 1–1, Nishishinjuku 2–chome, Shinjuku–ku, Tokyo 163–0449 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SASAKI, Akira** [JP/JP]; 2–1158–10, Motohachiojimachi, Hachioji–shi, Tokyo 193–0826 (JP). **AIHARA, Akio** [US/US]; 11937–1, Yuki, Yuki–shi, Ibaraki–ken 307–0001 (US). **KIMURA, Tohru** [JP/JP]; 821–7, Shimokawashima, Shimodate–shi, Ibaraki–ken 308–0855 (JP). **YAMAZAKI, Hitoshi** [JP/JP]; 3–4–3–105, Matsushiro, Tsukuba–shi, Ibaraki–ken 305–0035 (JP). **AOKI, Tomoaki** [JP/JP]; 3–4–3–A402, Matsushiro, Tsukuba–shi, Ibaraki–ken 305–0035 (JP).

(74) **TOMITA, Kazuko** et al. / etc.; Yokohama HS–Building, 7th floor, 9–10, Kitasaiwai 2–chome, Nishi–ku, Yokohama–shi, Kanagawa 220–0004 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 63/00, 63/02**

(11) **WO 99/54375** (13) A1

(21) PCT/US99/07009

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,844 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER AND METHODS FOR MAKING SAME
• POLYESTERS RENFERMANT DE L'ISOSORBIDE EN TANT QUE COMONOMERE ET LEURS PROCEDES DE FABRICATION

(71) **HNA HOLDINGS, INC.** [US/US]; 30 Independence Boulevard, Warren, NJ 07059 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHARBONNEAU, Larry, F.** [US/US]; 64 Mountainside Road, Mendham, NJ 07945 (US). **JOHNSON, Robert, E.** [US/US]; 808 Willow Avenue #2R, Hoboken, NJ 07030 (US). **WITTELER, Helmut, B.** [US/DE]; Birkenstrasse 9, D–67259 Beindersheim (DE). **KHANARIAN, Garo** [US/US]; 141 Cornell Avenue, Berkeley Heights, NJ 07922 (US).

(74) **DUFFETT, Benton, S., Jr.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 63/16, 63/79, C07D 309/38**

(11) **WO 99/54376** (13) A1

(21) PCT/JP99/02064

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/109181 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYESTER AND PROCESS FOR PRODUCING THE SAME
• POLYESTER ET PROCEDE DE PRODUCTION DE CELUI–CI

(71) **COSMO RESEARCH INSTITUTE** [JP/JP]; 9–25, Shibaura 4–chome, Minato–ku, Tokyo 108–0023 (JP). **COSMO OIL CO., LTD.** [JP/JP]; 1–1, Shibaura 1–chome, Minato–ku, Tokyo 105–0023 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHIGEHARA, Kiyotaka** [JP/JP]; 30–12, Koenji–Minami 5–chome, Suginami–ku, Tokyo 166–0003 (JP). **KATAYAMA, Yoshihiro** [JP/JP]; 47–4, Nukii 3–chome, Nerima–ku, Tokyo 176–0021 (JP). **NISHIKAWA, Seiji** [JP/JP]; Cosmo Research Institute, Research and Development Center, 1134–2, Gongendo, Satte–shi, Saitama 340–0193 (JP). **HOTTA, Yasushi** [JP/JP]; Cosmo Research Institute, Research and Development Center, 1134–2, Gongendo, Satte–shi, Saitama 340–0193 (JP).

(74) **ARUGA, Mitsuyuki** et al. / etc.; Kyodo Building, 3–6, Nihonbashiningyocho 1–chome, Chuo–ku, Tokyo 103–0013 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08G 63/21, C08F 283/01 // C08J 5/04**

(11) **WO 99/54377** (13) A1

(21) PCT/JP99/02081

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/112512 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • UNSATURATED POLYESTER RESIN COMPOSITION AND CURED ARTICLE THEREOF
• COMPOSITION DE RESINE POLYESTER INSATUREE ET ARTICLE DURCI FABRIQUE A PARTIR DE CETTE DERNIERE

(71) **KYOWA YUKA CO., LTD.** [JP/JP]; 6–1, Ohtemachi 1–chome, Chiyoda–ku, Tokyo 100–8185 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MURATA, Shigeru** [JP/JP]; 1–1–7, Nakaasahigaoka, Suzuka–shi, Mie 510–0212 (JP). **YAMAUCHI, Toshio** [JP/JP]; 1–11–2, Nakagawara, Yokkaichi–shi, Mie 510–0833 (JP). **FUJITANI, Ryoichi** [JP/JP]; 1290, Yamashiro–cho, Yokkaichi–shi, Mie 512–8048 (JP).

(74) **SHIGA, Masatake** et al. / etc.; OR Building, 23–3, Takadanobaba 3–chome, Shinjuku–ku, Tokyo 169–8925 (JP).

(81) AU BG BR CA CN CZ HU ID IL JP KR MX NO NZ PL RO SG SI SK UA US VN; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08G 63/42, B32B 3/00, G11B 3/70, 5/84**

(11) **WO 99/54378** (13) A1

(21) PCT/US99/07012

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,846 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OPTICAL ARTICLES COMPRISING ISOSORBIDE POLYESTERS AND METHOD FOR MAKING SAME
• ARTICLES OPTIQUES COMPRENANT DES POLYESTERS D'ISOSORBIDE ET PROCEDE DE FABRICATION DE CES DERNIERS

(71) **HNA HOLDINGS, INC.** [US/US]; 30 Independence Boulevard, Warren, NJ 07059 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KHANARIAN, Garo** [US/US]; 141 Cornell Avenue, Berkeley Heights, NJ 07922 (US). **CHARBONNEAU, Larry, F.** [US/US]; 64 Mountainside Road, Mendham, NJ 07945 (US). **WITTELER, Helmut, B.** [DE/DE]; Birkenstrasse 9, D–67259 Beindersheim (DE).

(74) **DUFFETT, Benton, S., Jr.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 63/85**

(11) **WO 99/54379** (13) A1

(21) PCT/US99/08339

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,461 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/292,426 **15 Apr/avr 1999** US **(15.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLY(ALKYLENE ARYLATES) HAVING OPTICAL PROPERTIES
• ARYLATES DE POLY(ALKYLENE) POSSEDANT DES PROPRIETES OPTIQUES

(71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUSTIG, Steven, Raymond** [–/US]; 1029 St. George's Lane, Landenberg, PA 19350 (US). **BURCH, Robert, Ray** [–/US]; 102 Wooded Eagle Court, Exton, PA 19341 (US).

(74) **SHAY, Lucas, K.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) AE AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 63/91, C08J 11/04**

(11) **WO 99/54380** (13) A1

(21) PCT/EP99/02603

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 538.8 **16 Apr/avr 1998** DE **(16.04.1998)**

(30) 199 15 128.8 **25 Mar/mar 1999** DE **(25.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING POLYESTER ALCOHOLS, AND POLYESTER ALCOHOLS
• DISPOSITIF DE PRODUCTION D'ALCOOLS DE POLYESTER, ET ALCOOLS DE POLYESTER

(71) **HAVEL–CHEMIE AG** [DE/DE]; Recyclingkunststoffe Verwertung Vertrieb, Kanalstrasse 17, D–16727 Velten (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BEHRENDT, Gerhard** [DE/DE]; Mahonienweg 59, D–12437 Berlin (DE). **LOBEDA, Andreas** [DE/DE]; Rudolf–Breitscheid–Strasse 93, D–16278 Angermünde (DE). **POHL, Martin** [DE/DE]; Carola–Neher–Strasse 22, D–12619 Berlin (DE).

(74) **GULDE, Klaus, W.** et al. / etc.; Lützowplatz 11–13, D–10785 Berlin (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 64/40, B01D 3/06, 1/30, C08F 6/00**

(11) **WO 99/54381** (13) A2

(21) PCT/EP99/02387

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 677.5 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS FOR REMOVING VOLATILE COMPONENTS FROM POLYMER SOLUTIONS
• PROCEDES POUR L'ELIMINATION DE CONSTITUANTS VOLATILS DANS DES SOLUTIONS POLYMERES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **ELSNER, Thomas** [DE/DE]; Haus–Endt–Strasse 205, D–40593 Düsseldorf (DE). **HEUSER, Jürgen** [DE/DE]; Minkweg 29a, D–47803 Krefeld (DE). **KORDS, Christian** [DE/DE]; Am Oberfeld 39, D–47829 Krefeld (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 65/20, 65/30, 65/32**

(11) **WO 99/54382** (13) A1

(21) PCT/EP99/02545

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 113.7 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRODUCTION OF POLYTETRAHYDROFURAN WITH TERMINAL HYDROXYL GROUPS BY CHANGING THE CONTINUOUS AND DISPERSED PHASE
• PRODUCTION DE POLYTETRAHYDROFURANE CONTENANT DES GROUPES HYDROXYL TERMINAUX PAR CHANGEMENT D'UNE PHASE CONTINUE ET DISPERSEE

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **AUER, Heinz** [DE/DE]; Albrecht–Dürer–Strasse 12, D–68809 Neulußheim (DE). **CIPRIAN, Jürgen** [DE/DE]; Oggersheimer Strasse 112, D–67071 Ludwigshafen (DE). **FRANZ, Lothar** [DE/DE]; Pfalzring 198, D–67112 Mutterstadt (DE). **FRANZISCHKA, Wolfgang** [DE/DE]; Schießgartenweg 4a, D–67227 Frankenthal (DE). **IFFLAND, Gabriele** [DE/DE]; Verschaffeltstrasse 28, D–67071 Ludwigshafen (DE). **WECK, Alexander** [DE/DE]; Buttstädter Strasse 9, D–67251 Freinsheim (DE). **WEINLE, Werner** [DE/DE]; Maler–Koester–Strasse 8, D–67159 Friedelsheim (DE).

(74) **ISENBRUCK, Günter**; Bardehle, Pagenberg, Dost, Altenburg, Geissler, Isenbruck, Theodor–Heuss–Anlage 12, D–68165 Mannheim (DE).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08G 65/26, 65/10**

(11) **WO 99/54383** (13) A1

(21) PCT/EP99/02397

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 676.7 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING LONG–CHAIN POLYETHERPOLYOLS WITHOUT REPROCESSING
• PROCEDE POUR LA PRODUCTION SANS RETRAITEMENT DE POLYOLS DE POLYETHER A CHAINE LONGUE

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HOFMANN, Jörg** [DE/DE]; Oldenburger Weg 10, D–47829 Krefeld (DE). **GUPTA, Pramod** [DE/DE]; Langemarckstrasse 27, D–50181 Bedburg (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08G 69/26, C07D 309/38**

(11) **WO 99/54384** (13) A1

(21) PCT/JP99/02065

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/109180 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYAMIDE AND PROCESS FOR PRODUCING THE SAME
• POLYAMIDE ET PROCEDE DE PRODUCTION

(71) **COSMO RESEARCH INSTITUTE** [JP/JP]; 9–25, Shibaura 4–chome, Minato–ku, Tokyo 108–0023 (JP). **COSMO OIL CO., LTD.** [JP/JP]; 1–1, Shibaura 1–chome, Minato–ku, Tokyo 105–0023 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SHIGEHARA, Kiyotaka** [JP/JP]; 30–12, Koenji–Minami 5–chome, Suginami–ku, Tokyo 166–0003 (JP). **KATAYAMA, Yoshihiro** [JP/JP]; 47–4, Nukii 3–chome, Nerima–ku, Tokyo 176–0021 (JP). **NISHIKAWA, Seiji** [JP/JP]; Cosmo Research Institute, Research and Development Center, 1134–2, Gongendo, Satte–shi, Saitama 340–0193 (JP). **HOTTA, Yasushi** [JP/JP]; Cosmo Research Institute, Research and Development Center, 1134–2, Gongendo, Satte–shi, Saitama 340–0193 (JP).

(74) **ARUGA, Mitsuyuki** et al. / etc.; Kyodo Building, 3–6, Nihonbashiningyocho 1–chome, Chuo–ku, Tokyo 103–0013 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08G 73/02, 61/00, C09K 11/06, H05B 33/14**

(11) **WO 99/54385** (13) A1

(21) PCT/US99/07768

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/063,615 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLUORENE–CONTAINING POLYMERS AND ELECTROLUMINESCENT DEVICES THEREFROM
• POLYMERES CONTENANT DU FLUORENE ET DISPOSITIFS ELECTROLUMINESCENTS OBTENUS A PARTIR DE CEUX–CI

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).

(72) **WOO, Edmund, P.**; 300 Mayfield Lane, Midland, MI 48640 (US). **BERNIUS, Mark, T.**; 401 Mayfield Lane, Midland, MI 48640 (US). **INBASEKARAN, Michael**; 2614 Walden Woos Court, Midland, MI 48640 (US). **WU, Weishi**; 5413 Tyler Street, Midland, MI 48642 (US).

(74) **ZERULL, Susan, Moeller**; Patent Dept., P.O. Box 1967, Midland, MI 48641–1967 (US).

(81) CA CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08G 77/04, 77/18, 77/20, 77/26, 77/28, 77/38, C08L 101/00**

(11) **WO 99/54386** (13) A1

(21) PCT/US99/08533

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,047 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/266,500 **11 Mar/mar 1999** US **(11.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SILICONE OLIGOMERS AND CURABLE COMPOSITIONS CONTAINING SAME
• OLIGOMERES DE SILICONE ET COMPOSITIONS DURCISSABLES RENFERMANT CES OLIGOMERES

(71) **WITCO CORPORATION** [US/US]; One American Lane, Greenwich, CT 06831–2559 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PETTY, Herbert, E.** [US/US]; 7 Winthrop Road, Bethel, CT 06801 (US). **PICKWELL, Robert** [US/US]; 334 Cornwall Avenue, Tonawanda, NY 14150 (US). **OSTERHOLTZ, Frederick, D.** [US/US]; 81 Oak Drive, Pleasantville, NY 10570 (US). **SU, Shiu–Chin, Huang** [US/US]; 4 Batten Road, Croton–on–Hudson, NY 10520 (US).

(74) **STEINKRAUS, Walter, J.** et al. / etc.; Vidas, Arrett & Steinkraus, Suite 2000, 6109 Blue Circle Drive, Minnetonka, MN 55343–9131 (US).

(81) BR CN CZ HU JP KR PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08J 3/22 // C08L 67:02, 69:00, 77:00, 25:04**

(11) **WO 99/54387** (13) A1

(21) PCT/US99/08199

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 60/082,516 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/252,271 **18 Feb/fév 1999** US **(18.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COLOUR CONCENTRATE FOR THE MANUFACTURE OF COLOURED POLYMERS
• CONCENTRAT DE COULEUR PERMETTANT DE PRODUIRE DE POLYMERES COLORES

(71) **ALLIEDSIGNAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).

(72) **SEVEN, Manfred, K.**; 55 Mountain View Avenue, Long Valley, NJ 07853 (US). **COOMBS, Lawrence, E.**; P.O. Box 468, Convent Station, NJ 07961–0468 (US). **CLARKE, Vincent**; 21 Longview Avenue, Lake Hiawatha, NJ 07034 (US). **WROZINA, Joseph**; 27 Grove Street, Tenafly, NJ 07670 (US). **KOLLER, Levente, L.**; 20 Columbia Valley Road, Andover, NJ 07821 (US). **LENCES, Charles, F.**; 29 White Birch Lane, Parsippany, NJ 07054 (US).

(74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc., Law Dept. (Amy Olinger), 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08J 5/18, G02B 5/30 // C09K 19/38**

(11) **WO 99/54388** (13) A1

(21) PCT/JP99/02176

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) ja (26) ja

(30) 10/113418 **23 Apr/avr 1998** JP **(23.04.1998)**

(30) 10/139832 **21 May/mai 1998** JP **(21.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LIQUID CRYSTALLINE FILM
• FILM CRISTALLIN LIQUIDE

(71) **NIPPON MITSUBISHI OIL CORPORATION** [JP/JP]; 3–12, Nishi–Shimbashi 1–chome, Minato–ku, Tokyo 105–0003 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NISHIMURA, Suzushi** [JP/JP]; Central Technical Research Laboratory of Nippon Mitsubishi Oil Corporation, 8, Chidori–cho, Naka–ku, Yokohama–shi, Kanagawa 231–0815 (JP).

(74) **SAITO, Takehiko** et al. / etc.; Akasaka–Taisei Building, 1–18, Akasaka 1–chome, Minato–ku, Tokyo 107–0052 (JP).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08J 5/22, C08L 71/00, 81/06, H01M 8/10, 8/02, B01D 71/80, 71/68**

(11) **WO 99/54389** (13) A1

(21) PCT/EP99/02756

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 376.8 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACID–BASE POLYMER BLENDS AND THEIR USE IN MEMBRANE PROCESSES
• MELANGES CONSTITUES D'ACIDES, DE BASES ET DE POLYMERES, ET LEUR UTILISATION DANS DES PROCEDES A MEMBRANE

(71) **UNIVERSITÄT STUTTGART** [DE/DE]; Lehrstuhl und Institut für Chemische Verfahrenstechnik, Böblinger Strasse 72, D–70199 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KERRES, Jochen** [DE/DE]; Werner–Voss–Weg 12, D–70619 Stuttgart (DE). **CUI, Wei** [DE/DE]; Allmandring 16a/18, D–70569 Stuttgart (DE).

(74) **JÖNSSON, Hans–Peter** et al. / etc.; von Kreisler Selting Werner, Deichmannhaus am Dom, D–50667 Köln (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08J 9/14**

(11) **WO 99/54390** (13) A1

(21) PCT/JP99/02177

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) ja (26) ja

(30) 10/112941 **23 Apr/avr 1998** JP **(23.04.1998)**

(30) 10/192740 **8 Jul/juil 1998** JP **(08.07.1998)**

(30) 10/331722 **20 Nov/nov 1998** JP **(20.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXTRUDED STYRENE RESIN FOAM AND PROCESS FOR PRODUCING THE SAME
• MOUSSE DE RESINE STYRENIQUE EXTRUDEE ET PROCEDE DE PRODUCTION CORRESPONDANT

(71) **KANEKA CORPORATION** [JP/JP]; 2–4, Nakanoshima 3–chome, Kita–ku, Osaka–shi, Osaka 530–8288 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAYASHI, Takahiro** [JP/JP]; 2–28–12, Shinkofudai, Toyono–cho, Toyono–gun, Osaka 563–0105 (JP). **KOBAYASHI, Osamu** [JP/JP]; 342–35, Heso, Ritto–cho, Kurita–gun, Shiga 520–3031 (JP). **FUKUZAWA, Jun** [JP/JP]; 5–2–23, Torikainishi, Settsu–shi, Osaka 566–0072 (JP). **FUJIWARA, Hiroshi** [JP/JP]; 2–7–10–403, Torikaiwado, Settsu–shi, Osaka 566–0073 (JP).

(74) **ASAHINA, Sohta** et al. / etc.; NS Building, 2–22, Tanimachi 2–chome, Chuo–ku, Osaka–shi, Osaka 540–0012 (JP).

(81) CA CN JP NO US; EP (BE DE FI FR GB LU NL SE).

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(51)[6] **C08J 9/16, C08F 257/02, 12/08 // 212/08, 2/18**

(11) **WO 99/54391** (13) A1

(21) PCT/EP99/02647

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 98302993.5 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR THE PREPARATION OF EXPANDABLE POLYMER PARTICLES
• PROCEDE DE PREPARATION DE PARTICULES DE POLYMERE EXPANSIBLE

(71) **SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.** [NL/NL]; Carel van Bylandtlaan 30, NL–2596 HR The Hague (NL).

(72) **PALEJA, Rakesh, Jaysinh**; Avenue Jean Monnet 1, B–1348 Ottignies Louvain–La–Neuve (BE). **VLIERS, Dominique, Paul**; Avenue Jean Monnet 1, B–1348 Ottignies Louvain–La–Neuve (BE). **WILLEMS, Maria, Johanna**; Avenue Jean Monnet 1, B–1348 Ottignies Louvain–La–Neuve (BE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08J 11/18**

(11) **WO 99/54392** (13) A1

(21) PCT/EP99/02558

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 536.1 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING POLYOLS AND POLYOLS
• PROCEDE DE PRODUCTION DE POLYOLS, ET POLYOLS

(71) **EPIK ENTWICKLUNG UND PRODUKTION INNOVATIVER KUNSTSTOFFE GMBH** [DE/DE]; Gewerbeparkring 29, D–15517 Fürstenwalde (DE).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **BEHRENDT, Gerhard** [DE/DE]; Mahonienweg 59, D–12437 Berlin (DE).

(72, 75) **POHL, Martin** [DE/DE]; Carola–Neher–Strasse 22, D–12619 Berlin (DE).

(74) **GULDE, Klaus, W.** et al. / etc.; Lützowplatz 11–13, D–10785 Berlin (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08K 3/00, C08L 67/06, 63/00, C08K 9/04**

(11) **WO 99/54393** (13) A1

(21) PCT/US99/06222

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 09/062,915 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYMER COMPOSITE AND A METHOD FOR ITS PREPARATION
• COMPOSITE POLYMERE ET PROCEDE SERVANT A LE PREPARER

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).

(72) **POLANSKY, Christine, A.**; Route 1 Box 1722, Brazoria, TX 77422 (US). **WHITE, Jerry, E.**; 418 Huckleberry Drive, Lake Jackson, TX 77566 (US). **GARCES, Juan, M.**; 1106 West Sugnet Street, Midland, MI 48640 (US). **KUPERMAN, Alex**; 903 Deerfield Court, Midland, MI 48640 (US). **RIDLEY, David, Z.**; 13 Ranchhouse Loop, Angleton, TX 77515 (US).

(74) **DAMOCLES, Nemia, C.**; Patent Dept., P.O. Box 1967, Midland, MI 48641–1967 (US).

(81) AU BR CA CN CZ JP KR MX PL RU ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08K 5/15, 5/13, 5/521, 5/524, 5/527, 5/53, C08L 101/00**

(11) **WO 99/54394** (13) A1

(21) PCT/JP99/01999

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/181174 **26 Jun/juin 1998** JP **(26.06.1998)**

(30) PCT/JP98/04462 **2 Oct/oct 1998** JP **(02.10.1998)**

(30) PCT/JP98/05829 **21 Dec/déc 1998** JP **(21.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STABILIZER FOR ORGANIC POLYMERIC MATERIAL AND ORGANIC POLYMERIC MATERIAL COMPOSITION
• STABILISANT ET COMPOSITION DE MATERIAU POLYMERE ORGANIQUE

(71) **YOSHITOMI FINE CHEMICALS, LTD.** [JP/JP]; 6–9, Hiranomachi 2–chome, Chuo–ku, Osaka–shi, Osaka 541–0046 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **INOUE, Takeshi** [JP/JP]; (JP). **HORIE, Shoichi** [JP/JP]; Yoshitomi Fine Chemicals, Ltd. Research Laboratory, 955, Oaza–Koiwai, Yoshitomimachi, Chikujo–gun, Fukuoka 871–8550 (JP).

(74) **TAKASHIMA, Hajime**; Yuki Building, 3–9, Hiranomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0046 (JP).

(81) CA CN ID JP KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08K 7/20, 9/08, C08L 75/04, B03D 1/14**

(11) **WO 99/54395** (13) A1

(21) PCT/ZA99/00020

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 98/3371 **22 Apr/avr 1998** ZA **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WEAR RESISTANT MATERIAL
• MATIERE RESISTANT A L'USURE

(71) **WALTERS, Craig, Andrew** [ZA/ZA]; 57 Plantation Road, Eastleigh, Edenvale, Gauteng Province (ZA).

(72) **WALTERS, Jeremy, Piers, Andrew**; Portion 83, Lindley, District Krugersdorp, Gauteng Province (ZA).

(74) **JOHN & KERNICK**; P.O. Box 3511, Halfway House 1685 (ZA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08K 9/04, C08J 3/22**

(11) **WO 99/54396** (13) A1

(21) PCT/EP99/02559

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 198 17 257.5 **19 Apr/avr 1998** DE **(19.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GRANULATE COMPOSITION OF ANTIBLOCKING AGENTS AND ADDITIVES FOR POLYMER PRODUCTION
• COMPOSITION GRANULEE FORMEE D'AGENTS ANTI–ADHERENTS ET D'ADDITIFS POUR LA PRODUCTION DE POLYMERES

(71) **GRACE GMBH** [DE/DE]; Erlengang 31, D–22844 Norderstedt (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TONNVIK, Mats** [SE/SE]; Vargoegatan 40, S–275 31 Rydebaeck (SE). **STURM, Andreas** [DE/DE]; Renevestrasse 1, D–67574 Osthofen (DE). **VAN ESSCHE, Gonda** [BE/DE]; Mozartstrasse 10, D–67549 Worms (DE). **SCHMIDT, Andreas** [DE/DE]; Wuppertaler Strasse 17, D–68167 Mannheim (DE).

(74) **VAN HEESCH, Helmut** et al. / etc.; Uexküll & Stolberg, Beselerstrasse 4, D–22607 Hamburg (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08K 9/06, C08J 3/215, C08L 21/00**

(11) **WO 99/54397** (13) A1

(21) PCT/EP99/01971

(22) **20 Mar/mar 1999 (20.03.1999)**

(25) de (26) de

(30) 198 16 972.8 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POWDERY MODIFIED LOADING MATERIAL CONTAINING RUBBER POWDER, METHOD FOR THE PRODUCTION AND USE THEREOF
• MATIERES DE CHARGE MODIFIEES SOUS FORME DE POUDRE, CONTENANT DE LA POUDRE DE CAOUTCHOUC, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION

(71) **PKU PULVERKAUTSCHUK UNION GMBH** [DE/DE]; Gebäude 32 – Postbereich 13, Paul–Baumann–Strasse 1, D–45764 Marl (DE).

(72) **GÖRL, Udo**; Herderstrasse 38, D–53332 Bornheim (DE). **STOBER, Reinhard**; Bornwiesenweg 22, D–63594 Hasselroth (DE). **LAUER, Hartmut**; Eckardrotherstrasse 2, D–63628 Bad Soden–Salmünster (DE). **ERNST, Uwe**; Bitterfelder Strasse 7a, D–45772 Marl (DE).

(74) **HERRMANN, Reinhard** et al. / etc.; Degussa–Hüls AG, Patente und Marken, Standort Wolfgang, Postfach 13 45, D–63403 Hanau (DE).

(81) AU BR CA CN CZ HU ID JP KR MX NO PL SK TR VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08L 23/08, 23/20, C08J 5/18, C09J 123/08, 123/20, B32B 27/08**

(11) **WO 99/54398** (13) A1

(21) PCT/EP99/02411

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 98106960.2 **16 Apr/avr 1998** EP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TERNARY POLYMER BLEND, THE FILM CONTAINING IT, AND THE EASY–TO–OPEN PACKAGE MADE THEREWITH
• MELANGE TERNAIRE DE POLYMERES, FILM CONTENANT CE MELANGE ET EMBALLAGE D'OUVERTURE FACILE FAIT DE CE FILM

(71) **CRYOVAC INC.** [US/US]; 100 Rogers Bridge Road, Duncan, SC 29334 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LONGO, Eugenio** [CA/IT]; Via Capuana, 3, I–20017 Rho (IT).

(74) **DE CARLI, Elda**; Cryovac S.p.A., Via Trento, 7, I–20017 Passirana di Rho (IT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08L 25/04, 27/06, 33/08, 67/02, 67/03, 69/00, 71/08, 75/04**

(11) **WO 99/54399** (13) A1

(21) PCT/US99/07013

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,826 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYESTERS INCLUDING ISOSORBIDE AS A COMONOMER BLENDED WITH OTHER THERMOPLASTIC POLYMERS
• POLYESTERS COMPRENANT DE L'ISOSORBIDE COMME MONOMERE MELANGE A D'AUTRES POLYMERES THERMOPLASTIQUES

(71) **HNA HOLDINGS, INC.** [US/US]; 30 Independence Boulevard, Warren, NJ 07059 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KHANARIAN, Garo** [US/US]; 141 Cornell Avenue, Berkeley Heights, NJ 07922 (US). **CHARBONNEAU, Larry, F.** [US/US]; 64 Mountainside Road, Mendham, NJ 07945 (US). **WITTELER, Helmut, B.** [DE/DE]; Birkenstrasse 9, D–67259 Beindersheim (DE).

(74) **DUFFETT, Benton, S., Jr.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08L 29/04, 23/02, C08J 5/18, B32B 27/10, 27/30, 27/32**

(11) **WO 99/54400** (13) A1

(21) PCT/KR99/00173

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 1998/13979 **20 Apr/avr 1998** KR **(20.04.1998)**

(30) 1998/13980 **20 Apr/avr 1998** KR **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITIONS OF POLYOLEFIN AND POLYVINYL ALCOHOL, AND FILMS, SHEETS AND ARTICLES PROCESSED THEREFROM AND MULTILAYER PRODUCTS USING THE SAME
• COMPOSITIONS DE POLYOLEFINE ET D'ALCOOL DE POLYVINYLE, FILMS, FEUILLES ET ARTICLES ET AUTRES PRODUITS MULTICOUCHE AINSI OBTENUS

(71) **KWANG MYUNG PHARM. IND. CO., LTD.** [KR/KR]; 3981, Soo Jin 2–dong, Soo Jeong–ku, Seong Nam–shi, Kyung Ki–do 461–182 (KR).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **LEE, Dong, Kweon** [KR/KR]; 873–147, An Yang 3–dong, Man An–ku, An Yang–shi, Kyung Ki–do 430–013 (KR).

(74) **SOHN, Chang, Kyu** et al. / etc.; Marine Center Main Building, 17th floor, 118, Namdaemun–ro 2–ka, Chung–ku, Seoul 100–700 (KR).

(81) AU BR CA CN JP MX RU SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08L 51/00, 25/12, 53/02**

(11) **WO 99/54401** (13) A1

(21) PCT/EP99/02318

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) de (26) de

(30) 198 17 218.4 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THERMOPLASTIC MOULDING MATERIALS
• MATIERES MOULABLES THERMOPLASTIQUES

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **GÜNTHERBERG, Norbert** [DE/DE]; Nachtigallenweg 44, D–67346 Speyer (DE). **WEBER, Martin** [DE/DE]; Diedesfelder Strasse 26, D–67487 Maikammer (DE). **LINDENSCHMIDT, Gerhard** [DE/DE]; Buchenweg 11, D–69181 Leimen (DE). **RATH, Hans, Peter** [DE/DE]; Friedhofstrasse 7, D–67269 Grünstadt (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HU ID IL IN JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US ZA; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08L 51/04, C08F 255/06 // (C08L 51/04, 53:02) (C08F 255/06, 212:08)**

(11) **WO 99/54402** (13) A1

(21) PCT/EP99/02759

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 98303017.2 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR THE PREPARATION OF A POLYVINYLARENE COMPOSITION AND POLYVINYLARENE COMPOSITIONS
• PROCEDE DE PREPARATION D'UNE COMPOSITION DE POLYVINYLARENE ET COMPOSITIONS DE POLYVINYLARENE

(71) **SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.** [NL/NL]; Carel van Bylandtlaan 30, NL–2596 HR The Hague (NL). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BROKKEN–ZIJP, Josephina, Cornelia, Maria** [NL/NL]; Badhuisweg 3, NL–1031 CM Amsterdam (NL). **RUBBERS, Sophie, Simone, Lucie** [BE/NL]; Lijndonk 25, NL–4825 BG Breda (NL). **GILLEMANS, Johannes, Carolus, Maria** [NL/NL]; Badhuisweg 3, NL–1031 CM Amsterdam (NL). **VERMAAT, Michael** [NL/NL]; Lijndonk 25, NL–4825 BG Breda (NL). **SCHOONUS, Liane, Michelle, Simone** [NL/NL]; Lijndonk 25, NL–4825 BG Breda (NL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08L 67/06**

(11) **WO 99/54403** (13) A1

(21) PCT/US99/08290

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/064,210 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CURABLE, UNSATURATED POLYESTER COMPOSITIONS
• COMPOSITIONS DURCISSANTES A BASE DE POLYESTER INSATURE

(71) **ISP INVESTMENTS INC.** [US/US]; 818 Washington Street, Wilmington, DE 19801 (US).

(72) **MATHUR, Arvind, M.**; 89A Traphagen Road, Wayne, NJ 07470 (US). **DOUGHERTY, James, A.**; 48 Forestdale Road, Kinnelon, NJ 07405 (US).

(74) **MAUE, Marilyn, J.** et al. / etc.; International Specialty Products, Legal Dept., Building 10, 1361 Alps Road, Wayne, NJ 07470 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08L 71/12, 77/00, C08K 5/092**

(11) **WO 99/54404** (13) A1

(21) PCT/US99/05280

(22) **10 Mar/mar 1999 (10.03.1999)**

(25) en (26) en

(30) 09/064,270 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR REDUCING THE RELEASE FORCE OF COMPATIBILIZED POLYPHENYLENE ETHER–POLYAMIDE RESIN BLENDS
• PROCEDE DE REDUCTION DE LA FORCE DE DECOLLEMENT DE MELANGES DE RESINES ETHER DE POLYPHENYLENE–POLYAMIDE COMPATIBLES

(71) **GENERAL ELECTRIC COMPANY** [US/US]; 1 River Road, Schenectady, NY 12345 (US).

(72) **MAJUMDAR, Biswaroop**; 602 Catlyn Court, Delmar, NY 12054 (US). **GROSS, Michael**; Apartment #1, 29 Woodlake Road, Albany, NY 12203 (US).

(74) **SNYDER, Bernard** et al. / etc.; General Electric Company, 3135 Easton Turnpike W3C, Fairfield, CT 06431 (US).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08L 73/00, 75/04**

(11) **WO 99/54405** (13) A1

(21) PCT/EP99/02388

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 809.3 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THE USE OF MOULDING MATERIALS WITH A THERMOPLASTIC POLYKETONE AND POLYURETHANE BASE
• UTILISATION DE MATIERES MOULABLES A BASE DE POLYCETONES ET DE POLYURETHANES THERMOPLASTIQUES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **DIETRICH, Hans–Jürgen** [DE/DE]; Breslauer Strasse 31, D–47829 Krefeld (DE). **IDEL, Karsten–Josef** [DE/DE]; Am Schwarzkamp 38, D–47802 Krefeld (DE). **KAUFHOLD, Wolfgang** [DE/DE]; Haferkamp 8, D–51061 Köln (DE). **MÜLLER, Matthias** [DE/DE]; Henschelstrasse 3, D–47229 Duisburg (DE). **WUSSOW, Hans–Georg** [DE/DE]; Schimmelpfennig Strasse 59, D–40597 Düsseldorf (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C08L 73/00, 55/02, C08F 279/04**

(11) **WO 99/54406** (13) A1

(21) PCT/EP99/02471

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) de (26) de

(30) 198 17 812.3 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THERMOPLASTIC POLYKETONE MOULDING MATERIALS WITH IMPROVED PROPERTIES
• MATIERES MOULABLES CONSTITUEES DE POLYCETONE THERMOPLASTIQUE ET PRESENTANT DES CARACTERISTIQUES AMELIOREES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DIETRICH, Hans–Jürgen** [DE/DE]; Breslauer Strasse 31, D–47829 Krefeld (DE). **EICHENAUER, Herbert** [DE/DE]; Gustav–Heinemann–Strasse 3, D–41539 Dormagen (DE). **IDEL, Karsten–Josef** [DE/DE]; Am Schwarzkamp 38, D–47802 Krefeld (DE). **KRÜGER, Peter** [DE/DE]; Tempelhofer Strasse 60, D–51375 Leverkusen (DE). **MÜLLER, Matthias** [DE/DE]; Henschelstrasse 3, D–47229 Duisburg (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C08L 79/04, 79/06, H01M 8/10, 8/02, C08L 71/00, B01D 71/62, 71/80, C08L 81/06**

(11) **WO 99/54407** (13) A2

(21) PCT/EP99/02755

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 374.1 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENGINEERING IONOMERIC BLENDS AND ENGINEERING IONOMERIC BLEND MEMBRANES
• MELANGES D'IONOMERES INDUSTRIELS ET MEMBRANES CONSTITUEES DESDITS MELANGES

(71) **UNIVERSITÄT STUTTGART** [DE/DE]; Lehrstuhl und Institut für Chemische Verfahrenstechnik, Böblinger Strasse 72, D–70199 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KERRES, Jochen** [DE/DE]; Werner–Voss–Weg 12, D–70619 Stuttgart (DE). **ULRICH, Andreas** [DE/DE]; Braungartweg 12, D–73734 Esslingen (DE). **HÄRING, Thomas** [DE/DE]; Aixheimer Strasse, D–70619 Stuttgart (DE).

(74) **JÖNSSON, Hans–Peter** et al. / etc.; Von Kreisler Selting Werner, Deichmannhaus am Dom, D–50667 Köln (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09B 61/00, A23L 1/275, C07C 175/00**

(11) **WO 99/54408** (13) A1

(21) PCT/US99/08142

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 60/082,293 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 60/085,804 **18 May/mai 1998** US **(18.05.1998)**

(30) 09/229,041 **12 Jan/jan 1999** US **(12.01.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANS–XANTHOPHYLL ESTER CONCENTRATES OF ENHANCED PURITY AND METHODS OF MAKING SAME
• CONCENTRATS D'ESTER TRANS–XANTOPHYLLE A PURETE AMELIOREE ET LEURS PROCEDES DE PRODUCTION

(71) **INEXA, INDUSTRIA EXTRACTORA C.A.** [EC/EC]; P.O. Box 17–03–4581, Quito (EC). **LEVY, Pedro, E. doing business as Inexa CA** [EC/US]; 86 Hopkins Place, Longmeadow, MA 01106 (US).

(72) **LEVY, Luis, W.**; P.O. Box 17–03–4581, Quito (EC).

(74) **SCHWARZE, William, W.** et al. / etc.; Panitch Schwarze Jacobs & Nadel, P.C., One Commerce Square, 22nd floor, 2005 Market Street, Philadelphia, PA 19103–7086 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09B 67/08, C09K 19/60**

(11) **WO 99/54409** (13) A1

(21) PCT/JP99/01994

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/102303 **14 Apr/avr 1998** JP **(14.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FINE PARTICLES COVERED BY CHOLESTERIC LIQUID CRYSTAL
• PARTICULES FINES RECOUVERTES DE CRISTAUX LIQUIDES CHOLESTERIQUES

(71) **NIPPON MITSUBISHI OIL CORPORATION** [JP/JP]; 3–12, Nishi–Shimbashi 1–chome, Minato–ku, Tokyo 105–0003 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SUZUKI, Shinichiro** [JP/JP]; Central Technical Research Laboratory of Nippon Mitsubishi Oil Corporation, 8, Chidori–cho, Naka–ku, Yokohama–shi, Kanagawa 231–0815 (JP). **NISHIMURA, Suzushi** [JP/JP]; Central Technical Research Laboratory of Nippon Mitsubishi Oil Corporation, 8, Chidori–cho, Naka–ku, Yokohama–shi, Kanagawa 231–0815 (JP). **KOMATSU, Shinichi** [JP/JP]; Central Technical Research Laboratory of Nippon Mitsubishi Oil Corporation, 8, Chidori–cho, Naka–ku, Yokohama–shi, Kanagawa 231–0815 (JP).

(74) **SAITO, Takehiko** et al. / etc.; Akasaka–Taisei Building, 1–18, Akasaka 1–chome, Minato–ku, Tokyo 107–0052 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C09B 67/50, 67/04, C09D 11/02 // C09B 67/12, 67/16, 67/18**

(11) **WO 99/54410** (13) A1

(21) PCT/EP99/02619

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9808169.8 **20 Apr/avr 1998** GB **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRODUCTION PROCESS OF COPPER PHTHALOCYANINE IN THE BETA MODIFICATION

- PROCEDE DE PRODUCTION DE BLEU DE PHTALOCYANINE DANS LA PHASE DE MODIFICATION BETA

(71) **CIBA SPECIALTY CHEMICALS HOLDING INC.** [CH/CH]; Klybeckstrasse 141, CH–4057 Basel (CH).

(72) **MATHERS, Richard, Ernest**; 23 Craigburn Crescent, Houston, Renfrewshire PA6 7NE (GB). **KEIRS, David**; 11 Stanley Drive, Paisley, Renfrewshire PA2 6HE (GB). **DYKES, Kenneth, Grant**; 28 Newford Grove, Clarkston, Glasgow G76 8QZ (GB). **HEALY, Thomas**; 37 Weevers Road, Paisley PA2 9DP (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09C 3/06, 1/30, 1/36, 1/40, C08L 101/00, C08K 9/00, C08J 3/22, C01B 13/14, 33/18, C01F 7/02, C01G 23/04**

(11) **WO 99/54411** (13) A1

(21) PCT/JP99/02159

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) ja (26) ja

(30) 10/112553 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PARTICULATE METAL OXIDE WITH EVENLY FLUORINATED SURFACE, PROCESS FOR PRODUCING THE SAME, AND USE

- OXYDE DE METAL PARTICULAIRE AVEC SURFACE UNIFORMEMENT FLUOREE, PROCEDE DE PRODUCTION DE CET OXYDE, ET UTILISATION

(71) **SHOWA DENKO K.K.** [JP/JP]; 13–9, Shiba Daimon 1–chome, Minato–ku, Tokyo 105–8518 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ISHII, Nobuaki** [JP/JP]; Showa Denko K.K., Central Research Laboratory, Production Technology Center, 5–1, Okawa–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0858 (JP). **WADA, Koichi** [JP/JP]; Showa Denko K.K., Central Research Laboratory, Production Technology Center, 5–1, Okawa–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0858 (JP). **SEKIGUCHI, Kazuo** [JP/JP]; Showa Denko K.K., Central Research Laboratory, Production Technology Center, 5–1, Okawa–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0858 (JP). **TAKAHASHI, Hiroyuki** [JP/JP]; Showa Denko K.K., 13–9, Shiba Daimon 1–chome, Minato–ku, Tokyo 105–8518 (JP).

(74) **OHIE, Kunihisa** et al. / etc.; Ohie Patent Office, Horiguchi No. 2 Building, 7th floor, 2–6, Nihonbashi–Ningyocho 2–chome, Chuo–ku, Tokyo 103–0013 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09D 5/03, C08G 77/14, 77/20, 77/58, C09D 183/04, 183/06, 183/14**

(11) **WO 99/54412** (13) A1

(21) PCT/EP99/02666

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 785.2 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLID, MELTABLE, THERMOHARDENINIG MASS, ITS PRODUCTION AND ITS USE

- MASSE SOLIDE, FUSIBLE ET THERMODURCISSABLE, SA PRODUCTION ET SON UTILISATION

(71) **INSTITUT FÜR NEUE MATERIALIEN GEM. GMBH** [DE/DE]; Gebäude 43a, Im Stadtwald, D–66123 Saarbrücken (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JONSCHKER, Gerhard** [DE/DE]; Grünewaldstrasse 12, D–66583 Spiesen–Elversberg (DE). **MUHLE, Jörg** [DE/DE]; Scheidterstrasse 90, D–66123 Saarbrücken (DE). **SCHMIDT, Helmut** [DE/DE]; Im Königsfeld 29, D–66130 Saarbrücken (DE).

(74) **BARZ, Peter**; Kaiserplatz 2, D–80803 München (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09D 5/08, 5/20, 191/00, C09K 3/00, C08K 5/06**

(11) **WO 99/54413** (13) A1

(21) PCT/US99/08676

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,353 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ASPHALT RELEASE AGENT

- AGENT DE DEMOULAGE D'ASPHALTE

(71) **ASHLAND INC.** [US/US]; 3499 Blazer Parkway, Lexington, KY 40509 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LOCKWOOD, Frances, E.** [US/US]; 5326 Paris Pike, Georgetown, KY 40324 (US). **DITURO, Michael, J.** [US/US]; 4386 Green Valley Road, Huntington, WV 25701 (US). **DOTSON, Daniel, J.** [US/US]; 4704 Carita Woods Way, Lexington, KY 40515 (US). **FANG, Jiafu** [US/US]; Apartment 2208, 18001 Cypress Trace Road, Houston, TX 77090 (US).

(74) **CARRITHERS, David, W.**; Carrithers Law Office, One Paragon Centre, Suite 140, 6060 Dutchman's Lane, Louisville, KY 40205 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09D 5/16, 5/00, C09K 3/00, B60S 3/04**

(11) **WO 99/54414** (13) A1

(21) PCT/JP99/02108

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/125383 **21 Apr/avr 1998** JP **(21.04.1998)**

(30) 10/233485 **6 Aug/août 1998** JP **(06.08.1998)**

(30) 11/39074 **17 Feb/fév 1999** JP **(17.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTIFOULING AGENT, METHOD FOR ANTIFOULING TREATMENT, AND ARTICLE OBTAINED THROUGH ANTIFOULING TREATMENT

- AGENT ANTISALISSURE, PROCEDE DE TRAITEMENT ANTISALISSURE, ET ARTICLE OBTENU PAR LE TRAITEMENT ANTISALISSURE

(71) **NOF CORPORATION** [JP/JP]; 20–3, Ebisu 4–chome, Shibuya–ku, Tokyo 150–6019 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKANE, Yoshinori** [JP/JP]; 2–5–9, Ryosei, Ayase–shi, Kanagawa 252–1126 (JP). **SAITO, Shun** [JP/JP]; 447–1–207, Shimokurata–cho, Totsuka–ku, Yokohama–shi, Kanagawa 244–0815 (JP). **OSUKA, Akihiro** [JP/JP]; 473, Shimokurata–cho, Totsuka–ku, Yokohama–shi, Kanagawa 244–0815 (JP). **SHIBATO, Kishio** [JP/JP]; 6–2, Katabuki, Kanazawa–ku, Yokohama–shi, Kanagawa 236–0055 (JP).

(74) **ORIGUCHI, Shingo**; Nishishinbashisugiura Building, 3rd floor, 14–7, Nishishinbashi 1–chome, Minato–ku, Tokyo 105–0003 (JP).

(81) CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C09D 7/12, 5/38, B05D 7/24, 5/06**

(11) **WO 99/54415** (13) A1

(21) PCT/JP99/01993

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/104997 **15 Apr/avr 1998 (15.04.1998)** JP

(30) 11/22409 **29 Jan/jan 1999 (29.01.1999)** JP

(30) 11/22410 **29 Jan/jan 1999 (29.01.1999)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR FORMATION OF COATING FILM AND COATING COMPOSITION
• PROCEDE DE FORMATION D'UN FILM ET D'UNE COMPOSITION DE REVETEMENT

(71) **NOF CORPORATION** [JP/JP]; 20–3, Ebisu 4–chome, Shibuya–ku, Tokyo 150–6019 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TSUNODA, Takeshi** [JP/JP]; 13–13, Nishi–oi 4–chome, Shinagawa–ku, Tokyo 140–0015 (JP). **MITSUMUNE, Shinji** [JP/JP]; 8–24–205, Kugenumatachibana 2–chome, Fujisawa–shi, Kanagawa 251–0024 (JP).

(74) **YANAGIHARA, Shigeru**; 503, Nishishinbashi Chuo Building, 15–8, Nishishinbashi 3–chome, Minato–ku, Tokyo 105–0003 (JP).

(81) CN ID IN KR US; EP (DE ES FR IT).

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(51)[6] **C09D 11/00**

(11) **WO 99/54416** (13) A1

(21) PCT/GB99/01217

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808480.9 **21 Apr/avr 1998 (21.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RADIATION–CURABLE COMPOSITIONS
• COMPOSITIONS DURCISSABLES PAR RAYONNEMENT

(71) **COATES BROTHERS PLC** [GB/GB]; Coates Lorilleux International, St. Mary Cray, Orpington, Kent BR5 3PP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CAIGER, Nigel, Antony** [GB/GB]; 4 East Side, Hurst Batch, Wookey Hole, Wells, Somerset BA5 1BE (GB). **SELMAN, Hartley, David** [GB/GB]; Wayside Cottage, 562 Bath Road, Saltford, Bristol BS18 3JN (GB).

(74) **WALDREN, Robin, Michael**; Marks & Clerk, 57–60 Lincoln's Inn Fields, London WC2A 3LS (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09D 163/00, 133/14, 183/06**

(11) **WO 99/54417** (13) A1

(21) PCT/JP99/02076

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/109178 **20 Apr/avr 1998 (20.04.1998)** JP

(30) 11/6889 **13 Jan/jan 1999 (13.01.1999)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RESIN COMPOSITIONS FOR COATINGS
• COMPOSITIONS DE RESINE POUR REVETEMENTS

(71) **TORAY INDUSTRIES, INC.** [JP/JP]; 2–1, Nihonbashi Muromachi 2–chome, Chuo–ku, Tokyo 103–8666 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAGEISHI, Ichiji** [JP/JP]; Toure–Shataku 445, 3–1, Yuushudai–Higashi, Ichihara–shi, Chiba 299–0124 (JP). **OSANAI, Yoshitaka** [JP/JP]; Toure–Shinonomeryou 405, 1–3–1, Yuushudai–nishi, Ichihara–shi, Chiba 299–0124 (JP). **ANDO, Yumi** [JP/JP]; 2–14–6, Tuganodai, Wakaba–ku, Chiba–shi, Chiba 264–0033 (JP).

(81) CN JP KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C09D 175/04, B32B 27/40, C08G 18/79, B29C 41/22**

(11) **WO 99/54418** (13) A1

(21) PCT/US99/06061

(22) **19 Mar/mar 1999 (19.03.1999)**

(25) en (26) en

(30) 09/064,490 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A FLEXIBLE POLYURETHANE MATERIAL
• MATERIAU SOUPLE EN POLYURETHANE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **HO, Chia–Tie**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **FULLBRIGHT, Clarence, Jr.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **SZYMANSKI, Brian, E.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09D 201/00, 189/00, 7/12**

(11) **WO 99/54419** (13) A1

(21) PCT/JP99/02112

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/113556 **23 Apr/avr 1998 (23.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COATING MATERIAL
• MATERIAU DE REVETEMENT

(71) **IDEMITSU PETROCHEMICAL CO., LTD.** [JP/JP]; 6–1, Shiba 5–chome, Minato–ku, Tokyo 108–0014 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YASUE, Takaharu** [JP/JP]; 1660, Kamiizumi, Sodegaura–shi, Chiba–ken 299–0205 (JP).

(74) **KINOSHITA, Jitsuzo** et al. / etc.; 3rd floor, Ogikubo TM Building, 26–13, Ogikubo 5–chome, Suginami–ku, Tokyo 167–0051 (JP).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(51)[6] **C09J 7/02**

(11) **WO 99/54420** (13) A1

(21) PCT/US99/08206

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/062,150 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED PRESSURE–SENSITIVE ROOFING TAPE
• GALON DE COUVERTURE AUTOCOLLANT AMELIORE

(71) **CARLISLE COMPANIES INCORPORATED** [US/US]; Suite 201, 250 South Clinton Street, Syracuse, NY 13202–1258 (US).

(74) **RUSSO, Matthew, J.** et al. / etc.; Rader, Fishman & Grauer PLLC, Suite 140, 1533 North Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C09J 123/28**

(11) **WO 99/54421** (13) A1

(21) PCT/US99/06903

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 10/108024 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRESSURE SENSITIVE ADHESIVE COMPOSITION AND ADHESIVE PRODUCT USING THE SAME
• COMPOSITION ADHESIVE AUTOCOLLANTE ET PRODUIT ADHESIF FAISANT APPEL A CETTE COMPOSITION

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKEDA, Satoshi** [JP/JP]; 2–15–15 Fujimi Number 205, Sagamihara–city, Kanagawa Pref. 229 (JP).

(74) **KNECHT, Harold, C., III** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09J 153/02, A61L 15/58, 25/00**

(11) **WO 99/54422** (13) A1

(21) PCT/DK99/00224

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 0556/98 **21 Apr/avr 1998** DK **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A PRESSURE SENSITIVE ADHESIVE COMPOSITION
• COMPOSITION ADHESIVE AUTOCOLLANTE

(71) **COLOPLAST A/S** [DK/DK]; Holtedam 1, DK–3050 Humlebaek (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NIELSEN, Anders, Christian** [DK/DK]; Bregneroedgade 15, 4.th, DK–2200 Koebenhavn N (DK). **NIELSEN, Inger, Mann** [DK/DK]; Vagtelvej 78, DK–2000 Frederiksberg (DK).

(74) **NILAUSEN, Kim**; Coloplast a/s, Patent Dept., Holtedam 1, DK–3050 Humlabaek (DK).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C09J 175/16, 4/06**

(11) **WO 99/54423** (13) A1

(21) PCT/DE99/01124

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 193.5 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RADIATION OR THERMALLY HARDENING ADHESIVE WITH HIGH THERMAL CONDUCTIVITY
• ADHESIF DURCISSABLE PAR RAYONNEMENT ET/OU APPORT DE CHALEUR PRESENTANT UNE HAUTE CONDUCTIBILITE THERMIQUE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE). **PANACOL–ELOSOL GMBH** [DE/DE]; Obere Zeil 6–8, D–61440 Oberursel (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LIEBING, Gerhard** [DE/DE]; Witikoweg 47, D–70437 Stuttgart (DE). **BRIELMANN, Volker** [DE/DE]; Beim Wasserturm 34, D–71332 Waiblingen (DE). **BATTERMANN, Achim** [DE/DE]; Heinrich–Hoffmann–Strasse 6, D–65670 Eschborn (DE). **PERL, Juergen** [DE/DE]; Zeppelinstrasse 15, D–61440 Oberursel (DE).

(74) **ROBERT BOSCH GMBH**; Postfach 30 02 20, D–70442 Stuttgart (DE).

(81) GB JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C09K 3/14, B24D 3/00**

(11) **WO 99/54424** (13) A1

(21) PCT/US99/05745

(22) **16 Mar/mar 1999 (16.03.1999)**

(25) en (26) en

(30) 09/064,491 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LAYERED ALUMINA–BASED ABRASIVE GRIT, ABRASIVE PRODUCTS, AND METHODS
• GRAIN ABRASIF STRATIFIE A BASE D'ALUMINIUM, PRODUITS ABRASIFS, ET PROCEDES ASSOCIES

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **ERICKSON, Dwight, D.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **BUSSE, Paul, W.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(81) BR CA CN JP KR RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C09K 3/14, B24D 3/00**

(11) **WO 99/54425** (13) A1

(21) PCT/US99/06013

(22) **19 Mar/mar 1999 (19.03.1999)**

(25) en (26) en

(30) 09/064,493 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXTRUDED ALUMINA–BASED ABRASIVE GRIT, ABRASIVE PRODUCTS, AND METHODS
• PARTICULES ABRASIVES EXTRUDEES A BASE D'ALUMINE, PRODUITS ABRASIFS ET PROCEDE ASSOCIES

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **ERICKSON, Dwight, D.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **BUSSE, Paul, W.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(81) BR CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C10L 1/32**

(11) **WO 99/54426** (13) A1

(21) PCT/US99/08492

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,678 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/081,867 **20 May/mai 1998** US **(20.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AQUEOUS EMULSION FUELS FROM PETROLEUM RESIDUUM–BASED FUEL OILS
• EMULSIONS AQUEUSES ISSUES DE COMBUSTIBLES LIQUIDES BASES SUR UN RESIDUUM DE PETROLE

(71, 72) **GUNNERMAN, Rudolf, W.** [US/US]; 6601 Lakeside Drive, Reno, NV 89511 (US).

(74) **HEINES, M., Henry** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111–3834 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C10M 173/02, H01L 21/304 // (C10M 173/02, 105:18, 125:26)**

(11) **WO 99/54427** (13) A1

(21) PCT/JP99/01895

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) ja (26) ja

(30) 10/128268 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AQUEOUS COMPOSITION, AQUEOUS CUTTING FLUID USING THE SAME, METHOD FOR PREPARATION THEREOF, AND CUTTING METHOD USING THE CUTTING FLUID
• COMPOSITION AQUEUSE, FLUIDE DE COUPE AQUEUX UTILISANT CETTE COMPOSITION, PROCEDE DE PREPARATION DE CE FLUIDE, ET PROCEDE DE COUPE UTILISANT CE FLUIDE

(71) **SHIN–ETSU HANDOTAI CO., LTD.** [JP/JP]; 4–2, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100–0005 (JP). **OHTOMO CHEMICAL IND., CORP.** [JP/JP]; 17–10, Yahiro 2–chome, Sumida–ku, Tokyo 131–0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KABURAGI, Shingo** [JP/JP]; Ohtomo Chemical Ind., Corp., 17–10, Yahiro 2–chome, Sumida–ku, Tokyo 131–0041 (JP). **ASHIDA, Akio** [JP/JP]; Ohtomo Chemical Ind., Corp., 17–10, Yahiro 2–chome, Sumida–ku, Tokyo 131–0041 (JP). **KIUCHI, Etsuo** [JP/JP]; Mimasu Semiconductor Industry Co., Ltd., 762, Ashikado, Gunma–machi, Gunma–gun, Gunma–ken 370–3531 (JP).

(74) **ISHIHARA, Shoji**; 302, Wakai Building, 7–8, Higashi–Ikebukuro 3–chome, Toshima–ku, Tokyo 170–0013 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C11B 9/00, A61K 7/46**

(11) **WO 99/54428** (13) A1

(21) PCT/EP99/03205

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 044.0 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • UTILIZATION OF TRICYCLIC ALDEHYDES AS ODORIFEROUS AGENTS
• UTILISATION D'ALDEHYDES TRICYCLIQUES COMME MATIERES ODORANTES

(71) **COGNIS DEUTSCHLAND GMBH** [DE/DE]; Postfach 13 01 64, D–40551 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARKERT, Thomas** [DE/DE]; Lottenstrasse 55, D–40789 Monheim (DE).

(81) IL JP SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C11B 9/00, A61K 7/46**

(11) **WO 99/54429** (13) A1

(21) PCT/EP99/03206

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 042.4 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • UTILIZATION OF BICYCLIC ALDEHYDES AS ODORIFEROUS AGENTS
• UTILISATION D'ALDEHYDES BICYCLIQUES COMME MATIERES ODORANTES

(71) **COGNIS DEUTSCHLAND GMBH** [DE/DE]; Postfach 13 01 64, D–40551 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARKERT, Thomas** [DE/DE]; Lottenstrasse 55, D–40789 Monheim (DE).

(81) IL JP SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C11B 9/00, A61K 7/46**

(11) **WO 99/54430** (13) A1

(21) PCT/EP99/03207

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 043.2 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • UTILIZATION OF MONOCYCLIC ALDEHYDES AS ODORIFEROUS AGENTS
• UTILISATION D'ALDEHYDES MONOCYCLIQUES COMME MATIERES ODORANTES

(71) **COGNIS DEUTSCHLAND GMBH** [DE/DE]; Postfach 13 01 64, D–40551 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARKERT, Thomas** [DE/DE]; Lottenstrasse 55, D–40789 Monheim (DE).

(81) IL JP SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C11D 17/00, 3/20, 3/37, B01J 2/00**

(11) **WO 99/54431** (13) A1

(21) PCT/EP99/02466

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) de (26) de

(30) 198 17 964.2 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COATED DETERGENT COMPONENTS
• CONSTITUANTS DETERSIFS ENROBES

(71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D–40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GASSENMEIER, Thomas** [DE/DE]; Am Straußenkreuz 13, D–40229 Düsseldorf (DE). **MILLHOFF, Jürgen** [DE/DE]; Schützenstrasse 62, D–40211 Düsseldorf (DE). **HÄRER, Jürgen** [DE/DE]; Leinenweberweg 20, D–40593 Düsseldorf (DE). **NITSCH, Christian** [DE/DE]; Otto–Hahn–Strasse 185, D–40591 Düsseldorf (DE).

(81) BR JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12F 3/10, C12P 7/42, A23L 1/23 // (C12P 7/42, C12R 1:645)**

(11) **WO 99/54432** (13) A1

(21) PCT/FR99/00909

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/04978 **21 Apr/avr 1998 (21.04.1998)** FR

(30) 98/14995 **27 Nov/nov 1998 (27.11.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING AND EXTRACTING AROMATIC COMPOUNDS
• PROCEDE DE PRODUCTION ET D'EXTRACTION DE COMPOSES AROMATIQUES

(71) **REVICO** [FR/FR]; F–16100 Saint–Laurent de Cognac (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AMBID, Christian** [FR/FR]; 111, route de Tarbes, F–31170 Tournefeuille (FR). **CARLE, Séverine** [FR/FR]; 52, boulevard Déodat de Sérerac, F–31300 Toulouse (FR). **DE BILLERBECK, Gustavo** [FR/FR]; 34, rue d'Aubuisson, F–31000 Toulouse (FR).

(74) **ERNEST GUTMANN–YVES PLASSERAUD S.A.** et al. / etc.; 3, rue Chauveau–Lagarde, F–75008 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12M 1/04, 1/38**

(11) **WO 99/54433** (13) A1

(21) PCT/US99/08552

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,332 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CULTURING APPARATUS AND CULTIVATING METHOD
• APPAREIL ET PROCEDE DE CULTURE

(71) **GRAIN PROCESSING CORPORATION** [US/US]; 1600 Oregon Street, Muscatine, IA 52761 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TSAO, George, T.** [US/US]; 4200 N. 300 West, West Lafayette, IN 47906 (US).

(74) **HOOVER, Allen, E.** et al. / etc.; Leydig, Voit & Mayer, Ltd., Suite 4900, Two Prudential Plaza, 180 North Stetson, Chicago, IL 60601–6780 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12M 1/107, B09B 1/00, C05F 17/00**

(11) **WO 99/54434** (13) A1

(21) PCT/GB98/01189

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) en (26) en

(30) 9808274.6 **18 Apr/avr 1998 (18.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WASTE MANAGEMENT SYSTEM
• SYSTEME DE GESTION DE DECHETS

(71) **AMEC CIVIL ENGINEERING LIMITED** [GB/GB]; Chapel Street, Adlington, Lancs PR7 0JP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TONGE, Harold, Crompton** [GB/GB]; The Barn, Middle Scout Green, Nr Orton, Cumbria CA10 3QD (GB).

(74) **LAWRENCE, John, Gordon** et al. / etc.; McNeight & Lawrence, Regent House, Heaton Lane, Stockport, Cheshire SK4 1BS (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **C12N**

(11) **WO 99/54435** (13) A2

(21) PCT/EP99/02347

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) fr (26) fr

(30) 98201247.8 **17 Apr/avr 1998 (17.04.1998)** EP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMMORTALISED CELL LINES DERIVED FROM NORMAL HUMAN SKIN TISSUES
• LIGNEE DE CELLULES IMMORTALISEES DERIVEES DE TISSUS CUTANES HUMAINS NORMAUX

(71) **SOCIETE DES PRODUITS NESTLE** [CH/CH]; Case postale 353, CH–1800 Vevey (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAUR, Markus** [CH/CH]; 54, le Grand Chemin, CH–1066 Epalinges (CH).

(74) **STRAUS, Alexander**; Kirschner & Partner, Sollner Strasse 38, D–81479 München (DE).

(81) AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN; AP (GH GM KE LS MW SD SL SZ UG ZW); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N**

(11) **WO 99/54436** (13) A2

(21) PCT/US99/08522

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,580 **17 Apr/avr 1998 (17.04.1998)** US

(30) 09/074,984 **8 May/mai 1998 (08.05.1998)** US

(30) 09/084,303 **26 May/mai 1998 (26.05.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NUCLEIC ACIDS AND PROTEINS OF *C. ELEGANS* INSULIN–LIKE GENES AND USES THEREOF
• ACIDES NUCLEIQUES ET PROTEINES DE GENES DE TYPE INSULINE DERIVES DE *C. ELEGANS*, ET LEURS UTILISATIONS

(63) US 09/084,303 (CIP)
26 May/mai 1998 (26.05.1998)
US 09/062,580 (CIP)
17 Apr/avr 1998 (17.04.1998)
US 09/074,984 (CIP)
8 May/mai 1998 (08.05.1998)

(71) **EXELIXIS PHARMACEUTICALS, INC.** [US/US]; 260 Littlefield Avenue, South San Francisco, CA 94080 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOMBURGER, Sheila, A.** [US/US]; 3974 25th Street, San Francisco, CA 94114 (US). **PLATT, Darren, M.** [US/US]; 929 Pine Street, San Francisco, CA 94108 (US). **FERGUSON, Kimberly, C.** [US/US]; 1038 Chula Vista Avenue, Burlingame, CA 94010 (US). **DOBERSTEIN, Stephen, K.** [US/US]; 2 Townsend Street, San Francisco, CA 94107 (US). **BUCHMAN, Andrew, R.** [US/US]; 3119 Eton Avenue, Berkeley, CA 94705 (US). **REDDY, Bindu, P.** [IN/US]; 855 Bounty Drive, Foster City, CA 94404 (US).

(74) **ANTLER, Adriane, M.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N**

(11) **WO 99/54437** (13) A2

(21) PCT/US99/08900

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,363 **23 Apr/avr 1998 (23.04.1998)** US

(30) Not furnished / non communiqué **23 Apr/avr 1999 (23.04.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL MOLECULES OF THE T125–RELATED PROTEIN FAMILY AND USES THEREOF
• NOUVELLES MOLECULES DE LA FAMILLE DES PROTEINES LIEES A T125 ET UTILISATIONS DE CELLES–CI

(71) **MILLENNIUM BIOTHERAPEUTICS, INC.** [US/US]; 620 Memorial Drive, Cambridge, MA 02139 (US).

(72) **HOLTZMAN, Douglas, A.**; 821 Centre Street #6, Jamaica Plain, MA 01230 (US).

(74) **MEIKLEJOHN, Anita, L.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 1/14, 1/16, 1/38, A23L 1/227**

(11) **WO 99/54438** (13) A1

(21) PCT/JP99/01983

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/121621 **16 Apr/avr 1998 (16.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MICROBIAL CULTURE WITH ENHANCED GLUTAMINASE ACTIVITY AND UTILIZATION THEREOF
• CULTURE MICROBIENNE AVEC ACTIVITE DE LA GLUTAMINASE AMELIOREE ET SON UTILISATION

(71) **AJINOMOTO CO., INC.** [JP/JP]; 15–1, Kyobashi 1–chome, Chuo–ku, Tokyo 104–8315 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YUASA, Ari** [JP/JP]; Ajinomoto Co., Inc., Food Research & Development Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **OKAMURA, Hideki** [JP/JP]; Ajinomoto Co., Inc., Food Research & Development Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP). **KATAOKA, Jiro** [JP/JP]; Ajinomoto Co., Inc., Food Research & Development Laboratories, 1–1, Suzuki–cho, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0801 (JP).

(81) BR CN ID IN KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 5/00, 5/06, 1/06**

(11) **WO 99/54439** (13) A1

(21) PCT/US99/08512

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,195 **17 Apr/avr 1998 (17.04.1998)** US

(30) 60/103,944 **13 Oct/oct 1998 (13.10.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ISOLATION AND PURGING OF CELLS BY MEANS OF OSMOTIC PRESSURE
• ISOLATION ET PURGE CELLULAIRE PAR PRESSION OSMOTIQUE

(71) **SCIENCE RESEARCH LABORATORY, INC.** [US/US]; 15 Ward Street, Somerville, MA 02143 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EPPICH, Henry, M.** [US/US]; 46 Wildrose Drive, Andover, MA 01810 (US). **REILLY, Dennis, A.** [US/US]; 68 Rock Maple Avenue, Hamilton, MA 01982 (US).

(74) **KRANSDORF, Ronald, J.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **C12N 5/10, 15/62, 15/85, C07K 16/46, 19/00, A61K 39/395, 48/00, G01N 33/577 // C07K 16/28**

(11) **WO 99/54440** (13) A1

(21) PCT/EP99/02693

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 98107269.7 **21 Apr/avr 1998 (21.04.1998)** EP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CD19xCD3 SPECIFIC POLYPEPTIDES AND USES THEREOF
• POLYPEPTIDES SPECIFIQUES A CD19 ET CD3 ET LEURS UTILISATIONS

(71) **DÖRKEN, Bernd** [DE/DE]; Lyckallee 47, D–14055 Berlin (DE). **RIETHMÜLLER, Gert** [DE/DE]; Finauer Strasse 12, D–80805 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUFER, Peter** [DE/DE]; Am Kapellenacker 13, D–85368 Moosburg (DE). **LUTTERBÜSE, Ralf** [DE/DE]; Fraunhoferstrasse 29, D–80469 München (DE). **BARGOU, Ralf** [DE/DE]; Antwerpener–Strasse 38, D–13353 Berlin (DE). **LÖFFLER, Anja** [DE/DE]; Schulstrasse 21, D–16244 Finowfurt/Eichhorst (DE).

(74) **VOSSIUS & PARTNER**; Siebertstrasse 4, D–81675 München (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **C12N 7/02, G01N 33/569**

(11) **WO 99/54441** (13) A1

(21) PCT/US99/08843

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,628 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EFFICIENT PURIFICATION OF ADENOVIRUS
• PURIFICATION EFFICACE D'ADENOVIRUS

(71) **GENVEC, INC.** [US/US]; 12111 Parklawn Drive, Rockville, MD 20852 (US).

(72) **CARRIÓN, Miguel, E.**; Apartment 5, 5319 Randolph Road, Rockville, MD 20852 (US). **MENGER, Marilyn**; 7719 Goodfellow Way, Derwood, MD 20855 (US). **KOVESDI, Imre**; 7713 Warbler Lane, Rockville, MD 20855 (US).

(74) **LARCHER, Carol** et al. / etc.; Leydig, Voit & Mayer, Ltd., Suite 4900, Two Prudential Plaza, 180 North Stetson, Chicago, IL 60601–6780 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **C12N 9/14, 15/00, 5/00, 1/20, C12P 21/06, C07H 21/02, 21/04**

(11) **WO 99/54442** (13) A1

(21) PCT/US99/08377

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,202 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROTEIN PHOSPHATASE METHYLESTERASE DNA
• ADN DE CODAGE DE PROTEINE PHOSPHATASE METHYLESTERASE

(71) **EMORY UNIVERSITY** [US/US]; 2009 Ridgewood Drive, Atlanta, GA 30322 (US).

(72) **PALLAS, David, C.**; 1455 Druid Valley Drive, Atlanta, GA 30329 (US). **DU, Xian, X.**; 2420 Williams Lane #4, Decatur, GA 30033 (US).

(74) **FERBER, Donna, M.** et al. / etc.; Greenlee, Winner and Sullivan, P.C., Suite 201, 5370 Manhattan Circle, Boulder, CO 80303 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **C12N 9/20, A01K 67/027, C12N 15/52**

(11) **WO 99/54443** (13) A1

(21) PCT/SE99/00648

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9801424–4 **22 Apr/avr 1998** SE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN BILE SALT–STIMULATED LIPASE (BSSL) OBTAINABLE FROM TRANSGENIC SHEEP
• LIPASE HUMAINE STIMULEE PAR LE SEL BILIAIRE, PRODUITE A PARTIR DE MOUTONS TRANSGENIQUES

(71) **ASTRA AKTIEBOLAG** [SE/SE]; S–151 85 Södertälje (SE). **PPL THERAPEUTICS** [GB/GB]; Roslin, Edinburgh EH25 9PP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DALRYMPLE, Michael** [GB/GB]; 28 Letham Way, Dalgety Bay, Fife KY11 5FQ (GB). **LUNDBERG, Lennart** [SE/SE]; Astra Hässle AB, S–431 83 Mölndal (SE). **STRÖMQVIST, Mats** [SE/SE]; Astra Hässle AB, S–431 83 Mölndal (SE).

(74) **ASTRA AKTIEBOLAG**; Intellectual Property, Patents, S–151 85 Södertälje (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 13/00**

(11) **WO 99/54444** (13) A2

(21) PCT/CA99/00372

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,665 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 60/111,635 **9 Dec/déc 1998** US **(09.12.1998)**

(30) 60/111,637 **9 Dec/déc 1998** US **(09.12.1998)**

(30) 09/295,925 **21 Apr/avr 1999** US **(21.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMBINATION THERAPY USING NUCLEIC ACIDS AND RADIO THERAPY
• TRAITEMENT ASSOCIE UTILISANT DES ACIDES NUCLEIQUES ET UNE RADIOTHERAPIE

(71) **INEX PHARMACEUTICALS CORPORATION** [CA/CA]; 100–8900 Glenlyon Parkway, Burnaby, British Columbia V5J 5J8 (CA). **BRITISH COLUMBIA CANCER AGENCY** [CA/CA]; 600 West 10th Avenue, Vancouver, British Columbia V5Z 4E6 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JOSHI, Phalgun, B.** [CA/CA]; 86 East 19th Avenue, Vancouver, British Columbia V5V 1H7 (CA). **DURAND, Ralph** [CA/CA]; 2231 Oak Street, Vancouver, British Columbia V6H 3W6 (CA). **GRAHAM, Roger, W.** [CA/CA]; 2638 West 7th Avenue, Vancouver, British Columbia V6K 1Z1 (CA).

(74) **ROBINSON, J., Christopher** et al. / etc.; Fetherstonhaugh & Co., Suite 2200, 650 West Georgia Street, Box 11560, Vancouver, British Columbia V6B 4N8 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/00**

(11) **WO 99/54445** (13) A2

(21) PCT/CA99/00371

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,665 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 60/111,635 **9 Dec/déc 1998** US **(09.12.1998)**

(30) 09/295,663 **21 Apr/avr 1999** US **(21.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMBINATION THERAPY USING NUCLEIC ACIDS AND CONVENTIONAL DRUGS
• TRAITEMENT ASSOCIE UTILISANT DES ACIDES NUCLEIQUES ET DES MEDICAMENTS CLASSIQUES

(71) **INEX PHARMACEUTICALS CORPORATION** [CA/CA]; 100–8900 Glenlyon Parkway, Glenlyon Business Park, Burnaby, British Columbia V5J 5J8 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JOSHI, Phalgun, B.** [CA/CA]; E. 19th Avenue, Vancouver, British Columbia V5V 1H7 (CA). **MORTIMER, Ian, C.** [CA/CA]; 420 W. St. James Road, North Vancouver, Bristish Columbia V7N 2PS (CA). **TAM, Patrick, M., S.** [CA/CA]; 307 2211 W. 5th Avenue, Vancouver, British Columbia V6K 1S4 (CA). **MACLACHLAN, Ian** [CA/CA]; 302 1812 W. 7th Avenue, Vancouver, British Columbia V6G 1S8 (CA). **GRAHAM, Roger, W.** [CA/CA]; 2638 W. 7th Avenue, Vancouver, British Columbia V6K 1Z1 (CA).

(74) **ROBINSON, J., Christopher** et al. / etc.; Fetherstonhaugh & Co., 2200–650 W. Georgia Street, Box 11560, Vancouver Centre, Vancouver, British Columbia V6B 4N8 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/00**

(11) **WO 99/54446** (13) A2

(21) PCT/DE99/01096

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 18 598.7 **19 Apr/avr 1998** DE **(19.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN NUCLEIC ACID SEQUENCES FROM NORMAL PANCREAS TISSUE
• SEQUENCES D'ACIDES NUCLEIQUES HUMAINS PROVENANT DE TISSUS SAINS DU PANCREAS

(71) **METAGEN GESELLSCHAFT FÜR GENOMFORSCHUNG MBH** [DE/DE]; Ihnestrasse 63, D–14195 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPECHT, Thomas** [DE/DE]; Grabenstrasse 14, D–12209 Berlin (DE). **HINZMANN, Bernd** [DE/DE]; Parkstrasse 19, D–13127 Berlin (DE). **SCHMITT, Armin** [DE/DE]; Laubacher Strasse 6/II, D–14197 Berlin (DE). **PILARSKY, Christian** [DE/DE]; Heinrich–Lange–Strasse 13c, D–01474 Schönfeld–Weißig (DE). **DAHL, Edgar** [DE/DE]; Eleonore–Procheska–Strasse 6, D–14480 Potsdam (DE). **ROSENTHAL, André** [DE/DE]; Koppenplatz 10, D–10115 Berlin (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/00**

(11) **WO 99/54447** (13) A2

(21) PCT/DE99/01170

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 18 619.3 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN NUCLEIC ACID SEQUENCES OF BLADDER TUMOUR TISSUE
• SEQUENCES D'ACIDE NUCLEIQUE PROVENANT DE TISSUS TUMORAUX DE LA VESSIE

(71) **METAGEN GESELLSCHAFT FÜR GENOMFORSCHUNG MBH** [DE/DE]; Ihnestrasse 63, D–14195 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPECHT, Thomas** [DE/DE]; Grabenstrasse 14, D–12209 Berlin (DE). **HINZMANN, Bernd** [DE/DE]; Parkstrasse 19, D–13127 Berlin (DE). **SCHMITT, Armin** [DE/DE]; Laubacher Strasse 6/II, D–14197 Berlin (DE). **PILARSKY, Christian** [DE/DE]; Heinrich–Lange–Strasse 13c, D–01474 Schönfeld (DE). **DAHL, Edgar** [DE/DE]; Eleonore–Procheska–Strasse 6, D–14480 Potsdam (DE). **ROSENTHAL, André** [DE/DE]; Koppenplatz 10, D–10115 Berlin (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/00**

(11) **WO 99/54448** (13) A2

(21) PCT/DE99/01178

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 947.2 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN NUCLEIC ACID SEQUENCES OF UTERUS MYOMA TISSUE
• SEQUENCES D'ACIDE NUCLEIQUE PROVENANT D'UN FIBROME UTERIN

(71) **METAGEN GESELLSCHAFT FÜR GENOMFORSCHUNG MBH** [DE/DE]; Ihnestrasse 63, D–14195 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPECHT, Thomas** [DE/DE]; Grabenstrasse 14, D–12209 Berlin (DE). **HINZMANN, Bernd** [DE/DE]; Parkstrasse 19, D–13127 Berlin (DE). **SCHMITT, Armin** [DE/DE]; Laubacher Strasse 6/II, D–14197 Berlin (DE). **PILARSKY, Christian** [DE/DE]; Heinrich–Lange–Strasse 13c, D–01474 Schönfeld–Weissig (DE). **DAHL, Edgar** [DE/DE]; Eleonore–Procheska–Strasse 6, D–14480 Potsdam (DE). **ROSENTHAL, André** [DE/DE]; Koppenplatz 10, D–10115 Berlin (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/00**

(11) **WO 99/54449** (13) A2

(21) PCT/DE99/01192

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 118.8 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DYSKERINE AND DYSKERINE CODING DNA MOLECULE, VECTORS CONTAINING THE SAME, ANTIBODIES AGAINST DYSKERIN AND UTILIZATION OF SAID ELEMENTS
• DYSKERINE ET MOLECULES D'ADN CODANT POUR CETTE DERNIERE, VECTEURS CONTENANT CES MOLECULES, ANTICORPS CONTRE LA DYSKERINE, ET UTILISATION DE CES ELEMENTS

(71) **DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS** [DE/DE]; Im Neuenheimer Feld 280, D–69120 Heidelberg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEISS, Nina** [DE/DE]; Bahnhofstrasse 9–13, D–69115 Heidelberg (DE). **POUSTKA, Annemarie** [DE/DE]; Werderstrasse 36, D–69120 Heidelberg (DE).

(74) **SCHÜSSLER, Andrea**; Truderinger Strasse 246, D–81825 München (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/00, 9/16, 5/00, 1/20, C07K 16/00, C12Q 1/42, A01N 25/00**

(11) **WO 99/54450** (13) A1

(21) PCT/US99/08228

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,072 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ASSAY METHODS FOR MODULATORS OF HEMATOPOIETIC CELL PHOSPHATASE
• PROCEDES DE DOSAGE POUR LES MODULATEURS DE LA PHOSPHATASE DES CELLULES HEMATOPOIETIQUES

(71) **ORTHO–McNEIL PHARMACEUTICAL INC.** [US/US]; U.S. Route 202, Raritan, NJ 08869–0602 (US).
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(72, 75) **JOLLIFFE, Linda** [US/US]; 16 Davenport Way, Belle Mead, NJ 08502 (US). **BARBONE, Francis** [US/US]; 6 John Drive, Annandale, NJ 08801 (US). **SHANAHAN, Mary** [–/US]; 1 Wispering Way, Annandale, NJ 08801 (US). **XU, Danlin** [–/US]; 263 Shady Oak Court, Piscataway, NJ 08854 (US).

(74) **CIAMPORCERO, Audley, A., Jr.** et al. / etc.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/00, 15/63, 15/11, A61K 35/00, 35/55, 35/30**

(11) **WO 99/54451** (13) A1

(21) PCT/US99/08628

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,366 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NEUROENDOCRINE CELLS SECRETING INSULIN ANS USES THEREOF
• CELLULES NEUROENDOCRINES SECRETRICE D'INSULINE ET SES UTILISATIONS

(71) **VANDERBILT UNIVERSITY** [US/US]; Suite 210, 1207 17th Avenue, Nashville, TN 37212 (US).

(72) **POWERS, Alvin, C.**; 6557 Cloverbrook Drive, Nashville, TN 37027 (US). **WU, Lan**; 2619B Ashwood Avenue, Nashville, TN 37212 (US).

(74) **ADLER, Benjamin, A.**; McGregor & Adler, LLP, 8011 Candle Lane, Houston, TX 77071 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/00, 15/36, 15/82, A01H 5/00**

(11) **WO 99/54452** (13) A1

(21) PCT/US99/08857

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,688 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS AND SUBSTANCES FOR PREVENTING AND TREATING AUTOIMMUNE DISEASE
• METHODES ET SUBSTANCES DE TRAITEMENT ET DE PREVENTION DES MALADIES AUTO–IMMUNES

(71) **LOMA LINDA UNIVERSITY** [US/US]; School of Medicine, Loma Linda, CA 92350 (US).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **LANGRIDGE, William, H., R.** [US/US]; 11856 Westminster Court, Loma Linda, CA 92354 (US). **ARAKAWA, Takeshi** [JP/JP]; 1–29–15 Tsuboya Naha, Okinawa 902 (JP).

(74) **WILLIAMS, Kathleen, M.**; Banner & Witcoff, Ltd., 28th floor, 28 State Street, Boston, MA 02109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/01, 9/04, 1/20, 15/74**

(11) **WO 99/54453** (13) A1

(21) PCT/DK99/00218

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 0552/98 **21 Apr/avr 1998** DK **(21.04.1998)**

(30) 60/082,566 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 199801697 **21 Dec/déc 1998** DK **(21.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL GENETICALLY MODIFIED LACTIC ACID BACTERIA HAVING MODIFIED DIACETYL REDUCTASE ACTIVITIES
• NOUVELLES BACTERIES D'ACIDE LACTIQUE, MODIFIEES GENETIQUEMENT ET POSSEDANT DES ACTIVITES DE DIACETYLE REDUCTASE MODIFIEES

(71) **CHR. HANSEN A/S** [DK/DK]; Bøge Allé 10–12, DK–2970 Hørsholm (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HENRIKSEN, Claus, Maxel** [DK/DK]; Classensgade 19B, 3. TV., DK–2100 Copenhagen Ø (DK). **NILSSON, Dan** [DK/DK]; Gefionsbakken 4A, DK–3060 Espergaerde (DK). **WALFRIDSSON, Mats** [SE/SE]; Valdemars Vag 93, S–224 74 Lund (SE).

(74) **PLOUGMANN, VINGTOFT & PARTNERS A/S**; Sankt Annae Plads 11, P.O. Box 3007, DK–1021 Copenhagen K (DK).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/01, 1/20, 1/21, G01N 33/50 // (C12N 1/20, C12R 1:34)**

(11) **WO 99/54454** (13) A1

(21) PCT/EP99/02438

(22) **10 Apr/avr 1999 (10.04.1999)**

(25) de (26) de

(30) 198 17 921.9 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MUTANTS OF THE MYCOBACTERIUM SPECIES AND USE OF THE SAME FOR SCREENING FOR ANTIBIOTICS VECTORS
• MUTANTS DE L'ESPECE MYCOBACTERIUM ET LEUR UTILISATION POUR LA SELECTION DE VECTEURS D'ANTIBIOTIQUES

(71) **GRÜNENTHAL GMBH** [DE/DE]; Zieglerstrasse 6, D–52078 Aachen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHUMANN, Giesbert** [DE/DE]; Herderstrasse 43, D–07743 Jena (DE). **MÖLLMANN, Ute** [DE/DE]; Schlendorfer Oberweg 17, D–07749 Jena (DE). **HEINEMANN, Irmgard** [DE/DE]; Closewitzer Strasse 40, D–07743 Jena (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/10, C12Q 1/68**

(11) **WO 99/54455** (13) A1

(21) PCT/JP99/02121

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/114005 **23 Apr/avr 1998** JP **(23.04.1998)**

(30) 10/315243 **6 Nov/nov 1998** JP **(06.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR SYNTHESIZING DNA
• PROCEDE DE SYNTHESE DE L'ADN

(71) **TAKARA SHUZO CO., LTD.** [JP/JP]; 609, Takenaka–cho, Fushimi–ku, Kyoto–shi, Kyoto 612–8061 (JP).
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(72, 75) **ASADA, Kiyozo** [JP/JP]; 3–20–9, Kibogaoka, Konan–cho, Koga–gun, Shiga 520–3333 (JP). **UEMORI, Takashi** [JP/JP]; 1–16–709, Oe 3–chome, Otsu–shi, Shiga 520–2141 (JP). **SATO, Yoshimi** [JP/JP]; 390–7–C–1010, Oaza Heso, Ritto–cho, Kurita–gun, Shiga 520–3031 (JP). **FUJITA, Tomoko** [JP/JP]; 25–10, Ohata–cho, Takatsuki–shi, Osaka 569–1144 (JP). **MIYAKE, Kazue** [JP/JP]; 34–7, Sanbanwari, Gokanosyo, Uji–shi, Kyoto 611–0011 (JP). **TAKEDA, Osamu** [JP/JP]; 340–1–811, Norada–cho, Hikone–shi, Shiga 521–1124 (JP). **MUKAI, Hiroyuki** [JP/JP]; 1461–82, Aza Minamikawa, Mizuho–cho, Moriyama–shi, Shiga 524–0102 (JP). **KATO, Ikunoshin** [JP/JP]; 1–1–150, Nanryo–cho, Uji–shi, Kyoto 611–0028 (JP).

(74) **HOSODA, Yoshinori**; Hosoda International Patent Office, Otemae M2 Building, 8–1, Tanimachi 2–chome, Chuo–ku, Osaka–shi, Osaka 540–0012 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/11, A61K 31/70, C07H 21/04, A61K 47/48**

(11) **WO 99/54456** (13) A1

(21) PCT/EP99/02286

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) en (26) en

(30) 98106989.1 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTISENSE OLIGONUCLEOTIDES FOR THE INHIBITION OF INTEGRIN α_v–SUBUNIT EXPRESSION
• OLIGONUCLEOTIDES ANTISENS DESTINES A INHIBER L'EXPRESSION D'UNE SOUS–UNITE DE L'INTEGRINE α_v

(71) **HOECHST MARION ROUSSEL DEUTSCHLAND GMBH** [DE/DE]; Brüningstrasse 50, D–65929 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **UHLMANN, Eugen** [DE/DE]; Zum Talblick 31, D–61479 Glashütten (DE). **PEYMAN, Anuschirwan** [DE/DE]; Zeilsheimer Strasse 46, D–65779 Kelkheim (DE). **TETI, Anna, Maria** [IT/IT]; Via Innocenxo XII, 11, I–00040 Ariccia (IT). **VILLANOVA, Ida** [IT/IT]; Via del Circuito, 357, I–65124 Pescara (IT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/11, 15/86, C07K 14/315, C12N 5/10, A61K 39/09, 39/39, 39/395, 47/48, C07K 19/00, G01N 33/577, A01K 67/027**

(11) **WO 99/54457** (13) A1

(21) PCT/IB99/00799

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808327.2 **20 Apr/avr 1998** GB **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VACCINE FORMULATIONS COMPRISING ANTIIDIOTYPIC ANTIBODIES WHICH IMMUNOLOGICALLY MIMIC GROUP B STREPTOCOCCAL CARBOHYDRATES
• FORMULATIONS DE VACCINS COMPRENANT DES ANTICORPS ANTI–IDIOTYPES IMMUNOLOGIQUEMENT ANALOGUES AUX GLUCIDES DES STREPTOCOQUES DU GROUPE B

(71) **CHIRON S.P.A.** [IT/IT]; Via Fiorentina, 1, I–53100 Siena (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TETI, Giuseppe** [IT/IT]; Piazza Juvara, 3, IS464, I–98121 Messina (IT). **POLONELLI, Luciano** [IT/IT]; Viale Campanini, 17, I–43100 Parma (IT).

(74) **HALLYBONE, Huw, George**; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/11, 9/00, 15/62**

(11) **WO 99/54458** (13) A1

(21) PCT/US99/08124

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 60/082,256 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USE OF A RIBOZYME TO JOIN NUCLEIC ACIDS AND PEPTIDES
• UTILISATION D'UN RIBOZYME POUR LIAISON D'ACIDES NUCLEIQUES ET DE PEPTIDES

(71) **WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH** [US/US]; Nine Cambridge Center, Cambridge, MA 02142 (US).

(72) **BASKERVILLE, Donald, Scott**; 414 Walnut Street, Newton, MA 02740 (US). **BARTEL, David, P.**; 2 Bowker Street, Brookline, MA 02146 (US).

(74) **HOGLE, Doreen, M.** et al. / etc.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/11, 9/00, C07H 21/00, A61K 31/70 // C07H 19/00**

(11) **WO 99/54459** (13) A2

(21) PCT/US99/08547

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,404 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 09/103,636 **23 Jun/juin 1998** US **(23.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NUCLEIC ACID MOLECULES WITH NOVEL CHEMICAL COMPOSITIONS CAPABLE OF MODULATING GENE EXPRESSION
• MOLECULES D'ACIDES NUCLEIQUES PRESENTANT DE NOUVELLES COMPOSITIONS CHIMIQUES CAPABLES DE MODULER L'EXPRESSION GENIQUE

(71) **RIBOZYME PHARMACEUTICALS, INC.** [US/US]; 2950 Wilderness Place, Boulder, CO 80301–5411 (US).

(72) **THOMPSON, James, D.**; 705 Barberry Circle, Lafayette, CO 80026 (US). **BEIGELMAN, Leonid**; 5530 Colt Drive, Longmont, CO 80503 (US). **MCSWIGGEN, James, A.**; 4866 Franklin Drive, Boulder, CO 80301 (US). **KARPEISKY, Alexander**; 420 Vernier Avenue, Lafayette, CO 80026 (US). **BELLON, Laurent**; 2946 Glenwood Drive, Boulder, CO 80301 (US). **REYNOLDS, Mark**; 3342 Vermont Place, Pleasanton, CA 94588 (US). **ZWICK, Michael**; 4138 Joni Lane, Loveland, CO 80207 (US). **JARVIS, Thale**; 3720 Smuggler Place, Boulder, CO 80303 (US). **WOOLF, Tod**; Suite 210, 4 Mechanic Street, Natick, MA 01760 (US). **HAEBERLI, Peter**; 705 7th Street, Berthoud, CO 80513 (US). **MATULIC–ADAMIC, Jasenka**; 760 South 42nd Street, Boulder, CO 80303 (US).

(74) **WARBURG, Richard, J.**; Lyon & Lyon LLP, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071–2066 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/12, C07K 14/47, 16/18, A61K 38/17, G01N 33/68, C12Q 1/68, C12N 15/62, A61K 48/00, C12N 5/10, 15/70, 15/79, 15/10**

(11) **WO 99/54460** (13) A2

(21) PCT/DE99/01163

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 18 620.7 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN NUCLEIC ACID SEQUENCES OF NORMAL BLADDER TISSUE
• SEQUENCES D'ACIDE NUCLEIQUE PROVENANT DU TISSU NORMAL DE LA VESSIE

(71) **METAGEN GESELLSCHAFT FÜR GENOMFORSCHUNG MBH** [DE/DE]; Ihnestrasse 63, D–14195 Berlin (DE).
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(72, 75) **SPECHT, Thomas** [DE/DE]; Grabenstrasse 14, D–12209 Berlin (DE). **HINZMANN, Bernd** [DE/DE]; Parkstrasse 19, D–13127 Berlin (DE). **SCHMITT, Armin** [DE/DE]; Laubacher Strasse 6/II, D–14197 Berlin (DE). **PILARSKY, Christian** [DE/DE]; Heinrich–Lange–Strasse 13c, D–01474 Schönfeld–Weissig (DE). **DAHL, Edgar** [DE/DE]; Eleonore–Procheska–Strasse 6, D–14480 Potsdam (DE). **ROSENTHAL, André** [DE/DE]; Koppenplatz 10, D–10115 Berlin (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/12, C07K 14/47, 16/18, A61K 38/17, G01N 33/68, C12Q 1/68, C12N 15/62, A61K 48/00, C12N 5/10, 15/70, 15/79, 15/10**

(11) **WO 99/54461** (13) A2

(21) PCT/DE99/01174

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 948.0 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN NUCLEIC ACID SEQUENCES OF ENDOMETRIUM TUMOUR TISSUE
• SEQUENCES D'ACIDE NUCLEIQUE HUMAINES PROVENANT D'UNE TUMEUR DE L'ENDOMETRE

(71) **METAGEN GESELLSCHAFT FÜR GENOMFORSCHUNG MBH** [DE/DE]; Ihnestrasse 63, D–14195 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPECHT, Thomas** [DE/DE]; Grabenstrasse 14, D–12209 Berlin (DE). **HINZMANN, Bernd** [DE/DE]; Parkstrasse 19, D–13127 Berlin (DE). **SCHMITT, Armin** [DE/DE]; Laubacher Strasse 6/II, D–14197 Berlin (DE). **PILARSKY, Christian** [DE/DE]; Heinrich–Lange–Strasse 13c, D–01474 Schönfeld–Weissig (DE). **DAHL, Edgar** [DE/DE]; Eleonore–Procheska–Strasse 6, D–14480 Potsdam (DE). **ROSENTHAL, André** [DE/DE]; Koppenplatz 10, D–10115 Berlin (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/12, 15/31, C07K 14/195, 14/395, 14/435, C12Q 1/68, G01N 33/50**

(11) **WO 99/54462** (13) A2

(21) PCT/EP99/02638

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808350.4 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BACTERIAL YCFB POLYPEPTIDE FAMILY
• FAMILLE DE POLYPEPTIDES BACTERIENS YCFB

(71) **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARIGONI, Fabrizio** [CH/CH]; 2, rue Maurice, CH–1204 Geneva (CH). **EDGERTON, Michael, David** [US/US]; Dekalb Genetics, 62 Maritime Drive, Mystic, CT 06355 (US). **LOFERER, Hannes** [AT/DE]; Alpenstrasse 74, D–82538 Geretsried (DE). **PEITSCH, Manuel, C.** [CH/CH]; En Jaquerod, CH–1855 La Forclaz (CH).

(74) **LEAROYD, Stephanie, Anne**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/12, C07K 14/705, 16/28, A61K 38/17, C12Q 1/68, G01N 33/50, A61K 48/00**

(11) **WO 99/54463** (13) A2

(21) PCT/EP99/02695

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 98107268.9 **21 Apr/avr 1998** EP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HUMAN K^+ ION CHANNEL AND THERAPEUTIC APPLICATIONS THEREOF
• CANAL IONIQUE K^+ HUMAIN ET SES APPLICATIONS THERAPEUTIQUES

(71) **MAX–PLANCK–GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.** [DE/DE]; Berlin (DE).
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(72, 75) **PARDO–FERNANDEZ, Luis Angel** [ES/DE]; Düstere–Eichen–Weg 14a, D–37073 Göttingen (DE). **STÜHMER, Walter** [DE/DE]; Stiegbreite 13, D–37077 Göttingen (DE). **BECKH, Synnöve** [DE/DE]; Stiegbreite 13, D–37077 Göttingen (DE). **BRÜGGEMANN, Andrea** [DE/DE]; Hoechst–Marion–Roussel, DG, Cardiovascular, H821, D–65926 Frankfurt (DE). **DEL CAMINO FERNANDEZ–MIRANDA, Donato** [ES/US]; Harvard Medical School, Neurobiology Dept., Boston, MA 02115 (US). **SANCHEZ PEREZ, Araceli** [ES/DE]; Düstere–Eichen–Weg 14a, D–37073 Göttingen (DE). **WESELOH, Rüdiger** [DE/DE]; Immanuel–Kant–Strasse 32, D–37083 Göttingen (DE).

(74) **VOSSIUS & PARTNER**; Siebertstrasse 4, D–81675 München (DE).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/12, C07K 14/47, 16/18, C12N 15/63, 5/10, A61K 38/17, 39/395, G01N 33/68**

(11) **WO 99/54464** (13) A1

(21) PCT/FR99/00957

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) fr (26) fr

(30) 98/05033 **22 Apr/avr 1998** FR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MUTATED PEPTIDE COMPOUNDS, DERIVED FROM hsp70, USEFUL IN CANCER IMMUNOTHERAPY
• COMPOSES PEPTIDIQUES MUTES, DERIVES DE hsp70, UTILES DANS L'IMMUNOTHERAPIE DU CANCER

(71) **INSTITUT GUSTAVE–ROUSSY** [FR/FR]; 39, rue Camille Desmoulins, F–94800 Villejuif (FR).
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(72, 75) **TRIEBEL, Frédéric** [FR/FR]; 10, rue Saint–Louis, F–78000 Versailles (FR). **GAUDIN, Catherine** [FR/FR]; 43, avenue des Iris, F–91600 Savigny–sur–Orge (FR).

(74) **MARTIN, Jean–Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F–75116 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **C12N 15/12, C07K 14/47, 16/18, G01N 33/68, C12Q 1/68, C12N 15/10, C12P 21/00, A61K 48/00**

(11) **WO 99/54465** (13) A2

(21) PCT/US99/08568

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,454 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GENE ENCODING SYNTAXIN INTERACTING PROTEIN
• GENE CODANT POUR UNE PROTEINE INTERAGISSANT AVEC UNE SYNTAXINE

(71) **WARNER–LAMBERT COMPANY** [US/US]; 201 Tabor Road, Morris Plains, NJ 07950 (US). **UNIVERSITY OF IOWA RESEARCH FOUNDATION** [US/US]; Oakdale Research Campus, 100 Oakdale Campus #214 TIC, Iowa City, IA 52242–5000 (US).
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(72, 75) **MIN, Jing** [CN/US]; 21425 Green Hill Road #190, Farmington Hills, MI 48335 (US). **PESSIN, Jeffrey, Eugene** [US/US]; 924 Duck Creek Drive, Iowa City, IA 52246 (US). **SALTIEL, Alan, Robert** [US/US]; 2002 Valley View Drive, Ann Arbor, MI 48105 (US). **SYU, Li–Jyun** [–/US]; 255 Princeton Street, Canton, MI 48188 (US).

(74) **RYAN, M., Andrea**; Warner–Lambert Company, 201 Tabor Road, Morris Plains, NJ 07950 (US) et al. / etc.

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/12, C07K 14/47, C12N 15/11, A61K 38/17, 31/70, C07K 16/18, A61K 35/14, C12Q 1/68, G01N 33/50, A61K 39/395**

(11) **WO 99/54466** (13) A2

(21) PCT/US99/08672

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,441 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COLON CANCER–ASSOCIATED ANTIGENS AND THEIR DIAGNOSTIC AND THERAPEUTIC USES
• ANTIGENES ASSOCIES AU CANCER DU COLON, ET UTILISATIONS DESDITS ANTIGENES A DES FINS DIAGNOSTIQUES OU THERAPEUTIQUES

(71, 72) **HUANG, Fei** [US/US]; 8404 58th Avenue, Elmhurst, NY 11373 (US). **FISHER, Paul, B.** [US/US]; 15 Gordon Place, Scarsdale, NY 10583 (US). **GOLDSTEIN, Neil, I.** [US/US]; 26 Kendal Avenue, Maplewood, NJ 03040 (US).

(74) **MAKI, David, J.** et al. / etc.; Seed and Berry LLP, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104–7092 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/12, C07K 14/47, G01N 33/53, C12Q 1/68, C12N 15/62, 15/11, C07K 16/18**

(11) **WO 99/54467** (13) A1

(21) PCT/US99/08847

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,767 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 60/113,296 **22 Dec/déc 1998** US **(22.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SH2 DOMAIN–CONTAINING PEPTIDES
• PEPTITDES CONTENANT LE DOMAINE SH2

(71) **GENENTECH, INC.** [US/US]; 1 DNA Way, South San Francisco, CA 94080–4990 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STEWART, Timothy, A.** [US/US]; 465 Douglass Street, San Francisco, CA 94114 (US). **LU, Yanmei** [CN/US]; 1001 Continentals Way #206, Belmont, CA 94002 (US).

(74) **SVOBODA, Craig, G.** et al. / etc.; Genentech, Inc., 1 DNA Way, South San Francisco, CA 94080–4990 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/16, C07K 14/66, 19/00, A61K 38/32, C07K 16/26, 16/42, C12N 15/85, 5/10, C12Q 1/68**

(11) **WO 99/54468** (13) A1

(21) PCT/US99/08601

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,838 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLUBLE PROTEIN ZTMPO–1
• PROTEINE ZTMPO–1 SOLUBLE

(71) **ZYMOGENETICS, INC.** [US/US]; 1201 Eastlake Avenue East, Seattle, WA 98102 (US).

(72) **SHEPPARD, Paul, O.**; 20717 N.E. 2nd Street, Redmond, WA 98053 (US). **CONKLIN, Darrell, C.**; Apartment 2, 2332 Minor Avenue East, Seattle, WA 98102 (US). **FARRAH, Theresa, M.**; 822 22nd Avenue, Seattle, WA 98122 (US). **MAURER, Mark, F.**; 5221 148th Avenue S.E., Bellevue, WA 98006 (US). **GROSSMANN, Angelika**; 2809 N.E. 60th, Seattle, WA 98115 (US).

(74) **LINGENFELTER, Susan, E.**; ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA 98102 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/19, 5/10, C07K 14/52, 16/24, A61K 38/19**

(11) **WO 99/54469** (13) A1

(21) PCT/US99/07592

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 09/063,623 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • B–CELL GROWTH FACTOR RELATED PROTEIN
• PROTEINE LIEE AU FACTEUR DE CROISSANCE DES LYMPHOCYTES B

(63) US 09/063,623 (CIP) 20 Apr/avr 1998 (20.04.1998)

(71) **INCYTE PHARMACEUTICALS, INC.** [US/US]; 3174 Porter Drive, Palo Alto, CA 94304 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TANG, Y., Tom** [CN/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). **CORLEY, Neil, C.** [US/US]; 1240 Dale Avenue #30, Mountain View, CA 94040 (US). **BAUGHN, Mariah** [US/US]; 14244 Santiago Road, San Leandro, CA 94577 (US).

(74) **BILLINGS, Lucy, J.** et al. / etc.; Incyte Pharmaceuticals, Inc., 3174 Porter Drive, Palo Alto, CA 94304 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/29, 15/31, C07K 14/195, 14/415, C12Q 1/68, G01N 33/50**

(11) **WO 99/54470** (13) A2

(21) PCT/EP99/02635

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808423.9 **22 Apr/avr 1998 (22.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BACTERIAL YGJD POLYPEPTIDE FAMILY
• FAMILLE DE POLYPEPTIDES BACTERIENS YGJD

(71) **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN (GB).
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(72, 75) **ARIGONI, Fabrizio** [CH/CH]; 2 rue Maurice, CH–1204 Geneva (CH). **EDGERTON, Michael, David** [US/US]; Dekalb Genetics, 62 Maritime Drive, Mystic, CT 06355 (US). **LOFERER, Hannes** [AT/DE]; Alpenstrasse 74, D–82538 Geretsried (DE). **PEITSCH, Manuel, C.** [CH/CH]; En Jaquerod, CH–1855 La Forclaz (CH).

(74) **LEAROYD, Stephanie, Anne**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/29, 15/54, 15/82, 9/10, A01H 5/00, 5/10, 5/08, 5/02**

(11) **WO 99/54471** (13) A1

(21) PCT/GB99/01191

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9808304.1 **20 Apr/avr 1998 (20.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYNUCLEOTIDE SEQUENCES AND THEIR USE IN A METHOD OF PRODUCING PLANTS WITH AN INCREASED NUMBER OF STOMATA
• SEQUENCES DE POLYNUCLEOTIDES ET LEUR UTILISATION DANS UNE METHODE DE PRODUCTION DE PLANTES A NOMBRE ACCRU DE STOMATES

(71) **ZENECA LIMITED** [GB/GB]; 15 Stanhope Gate, London W1Y 6LN (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VAN DER LEE, Frederique, Marianne** [NL/NL]; Zeneca Mogen, P.O. Box 628, NL–2300 AP Leiden (NL). **SIJMONS, Peter, Christiaan** [NL/NL]; Valeriusstraat 210 IV, NL–1075 GK Amsterdam (NL). **HETHERINGTON, Alistair, Maculloch** [GB/GB]; Lancaster University, Dept. of Biological Sciences, Bailrigg, Lancaster LA1 4YN (GB). **HOLROYD, Geoffrey, Heys** [GB/GB]; Lancaster University, Dept. of Biological Sciences, Bailrigg, Lancaster LA1 4YN (GB). **GRAY, Julie, Elizabeth** [GB/GB]; University of Sheffield, Dept. of Molecular Biology & Biotechnology, P.O. Box 594, Sheffiedl S10 1UH (GB).

(74) **GAAL, Jozsef, Christopher** et al. / etc.; Zeneca Agrochemicals, Intellectual Property Dept., P.O. Box 3538, Jealott's Hill Research Station, Bracknell RG42 6YA (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/31, C07K 14/24, C12N 1/21, 1/19, 5/10, A01H 5/00**

(11) **WO 99/54472** (13) A1

(21) PCT/EP99/02629

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,982 **21 Apr/avr 1998 (21.04.1998)** US

(30) 60/123,500 **9 Mar/mar 1999 (09.03.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL INSECTICIDAL TOXINS FROM *XENORHABDUS NEMATOPHILUS* AND NUCLEIC ACID SEQUENCES CODING THEREFOR
• NOUVELLES TOXINES INSECTICIDES ISSUES DE *XENORHABDUS NEMATOPHILUS* ET SEQUENCES D'ACIDES NUCLEIQUES CODANT CES TOXINES

(71) **NOVARTIS AG** [CH/CH]; Schwarzwaldallee 215, CH–4058 Basel (CH).
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(71) **NOVARTIS–ERFINDUNGEN VERWALTUNGSGESELLSCHAFT MBH** [AT/AT]; Brunner Strasse 59, A–1230 Vienna (AT).
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(72, 75) **KRAMER, Vance, Cary** [US/US]; 608 Dana Court, Hillsborough, NC 27278 (US). **MORGAN, Michael, Kent** [US/US]; 5805 Garrett Road, Durham, NC 27707 (US). **ANDERSON, Arne, Robert** [US/US]; 1005 Green–Pace Road, Zebulon, NC 27597 (US).

(74) **BECKER, Konrad**; Novartis AG, Corporate Intellectual Property, Patent & Trademark Dept., CH–4002 Basel (CH).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/31, C07K 14/195, C12Q 1/68, G01N 33/50**

(11) **WO 99/54473** (13) A2

(21) PCT/EP99/02636

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808366.0 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BACTERIAL YJEQ POLYPEPTIDE FAMILY
• FAMILLE DE POLYPEPTIDES BACTERIENS YJEQ

(71) **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).
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(72, 75) **ARIGONI, Fabrizio** [CH/CH]; 2, rue Maurice, CH–1204 Geneva (CH). **EDGERTON, Michael, David** [US/US]; Dekalb Genetics, 62 Maritime Drive, Mystic, CT 06355 (US). **LOFERER, Hannes** [AT/DE]; Alpenstrasse 74, D–82538 Geretsried (DE). **PEITSCH, Manuel, C.** [CH/CH]; En Jaquerod, CH–1855 La Forclaz (CH).

(74) **LEAROYD, Stephanie, Anne**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/31, C07K 14/195, 14/395, C12Q 1/68, G01N 33/50**

(11) **WO 99/54474** (13) A2

(21) PCT/EP99/02640

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808363.7 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BACTERIAL POLYPEPTIDE FAMILY
• FAMILLE DE POLYPEPTIDES BACTERIENS

(71) **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARIGONI, Fabrizio** [CH/CH]; 2, rue Maurice, CH–1204 Genève (CH). **EDGERTON, Michael, David** [US/US]; Dekalb Genetics, 62 Maritime Drive, Mystic, CT 06355 (US). **LOFERER, Hannes** [AT/DE]; Alpenstrasse 74, D–82538 Geretsried (DE). **PEITSCH, Manuel, C.** [CH/CH]; En Jaquerod, CH–1855 La Forclaz (CH).

(74) **LEAROYD, Stephanie, Anne**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/52, C12P 19/18, C12N 9/10, C08B 37/00, C12Q 1/68, C12N 1/21**

(11) **WO 99/54475** (13) A2

(21) PCT/EP99/03011

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) fr (26) fr

(30) 98201310.4 **22 Apr/avr 1998** EP **(22.04.1998)**

(30) 98201311.2 **22 Apr/avr 1998** EP **(22.04.1998)**

(30) 98201312.0 **22 Apr/avr 1998** EP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IDENTIFICATION OF LACTIC ACID BACTERIAL GENES INVOLVED IN THE BIOSYNTHESIS OF EXOPOLYSACCHARIDES
• IDENTIFICATION DE GENES DE BACTERIES LACTIQUES DANS LA BIOSYNTHESE DES EXOPOLYSACCHARIDES

(71) **SOCIETE DES PRODUITS NESTLE S.A.** [CH/CH]; Case postale 353, CH–1800 Vevey (CH).
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(72, 75) **STINGELE, Francesca** [CH/CH]; Route du Signal 10, CH–1018 Lausanne (CH). **GERMOND, Jacques, Edouard** [CH/CH]; Chemin des Cèdres 18, CH–1023 Crissier (CH). **LAMOTHE, Gilbert** [CH/CH]; Chemin de Valdéria 7, CH–1012 Lausanne (CH).

(74) **VAN MALDEREN, Michel** et al. / etc.; Office Van Malderen, Place Reine Fabiola 6/1, B–1083 Bruxelles (BE).

(81) AU BR CA CN MX NO NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/52, C12P 35/00, C12N 9/00**

(11) **WO 99/54476** (13) A1

(21) PCT/US99/08864

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,800 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PENICILLIN CONVERSION
• TRANSFORMATION DE PENICILLINE

(71) **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02139 (US).

(72) **DEMAIN, Arnold, L.**; 65 Grove Street, Wellesley, MA 02181 (US). **CHO, Hiroshi**; 11–202, 2–11–4 Ogawa, Machida, Tokyo 194 (JP). **PIRET, Jaqueline, M.**; 32 Fresh Pond Place, Cambridge, MA 02138 (US). **ADRIO, Jose, F.**; Northeastern University, Dept. of Biology, Boston, MA 02115 (US). **FERNANDEZ, Maria–Josefa E.**; Calle Castello, 49, E–28001 Madrid (ES). **BAEZ, Marco Antonio V.**; Salvador Uazquez A. #25, Colonia "Romi" Queretero, Mexico, Queretero 76000 (MX). **HINTERMANN, Gilberto**; 32 Fresh Pond Place, Cambridge, MA 02138 (US).

(74) **JARRELL, Brenda, J.**; Choate, Hall & Stewart, Exchange Place, 53 State Street, Boston, MA 02109 (US).

(81) CA IN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/53, 1/19, 9/04, C12P 7/10 // (C12N 1/19, C12R 1:685)**

(11) **WO 99/54477** (13) A2

(21) PCT/IB99/01046

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,334 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GENETICALLY ENGINEERED YEAST AND MUTANTS THEREOF FOR THE EFFICIENT FERMENTATION OF LIGNOCELLULOSE HYDROLYSATES
• LEVURE MANIPULEE GENETIQUEMENT ET MUTANTS DE CELLE–CI, POUR LA FERMENTATION EFFICACE D'HYDROLYSATS DE LIGNOCELLULOSE

(71) **FORSKARPATENT I SYD AB** [SE/SE]; Teknopol, S–223 70 Lund (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TRAFF, Karin, L.** [SE/SE]; Thomandersvag 2 A, S–224 65 Lund (SE). **CORDERO OTERO, Ricardo, Roman** [AR/ZA]; Oaklans N3, Schroder Street, Stellenbosch 7600 (ZA). **VAN ZYL, Wilem, Heber** [ZA/ZA]; 12 Kaneel Crescent, Die

Brood, Stellenbosch 7600 (ZA). **HAHN–HAGERDAL, Barbel** [SE/SE]; Ostra Vallgatan 41, S–223 61 Lund (SE).

(74) **GARRETT, Arthur, S.**; Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005–3315 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/53, 15/29, 9/02, C12P 17/04, C07K 1/22, C12N 5/14, A01H 5/00**

(11) **WO 99/54478** (13) A1

(21) PCT/JP99/02045

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/107296 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GENE ENCODING PROTEIN HAVING AURONE SYNTHESIZING ACTIVITY
• GENE CODANT POUR UNE PROTEINE DOUEE D'UNE ACTIVITE DE SYNTHESE D'AURONE

(71) **SUNTORY LIMITED** [JP/JP]; 1–40, Dojimahama 2–chome, Kita–ku, Osaka–shi, Osaka 530–8203 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SAKAKIBARA, Keiko** [JP/JP]; 3–1–327, Nishitanakase, Terado–cho, Muko–shi, Kyoto 617–0002 (JP). **FUKUI, Yuuko** [JP/JP]; 2–8–2–907, Minase, Shimamoto–cho, Mishima–gun, Osaka 618–0014 (JP). **TANAKA, Yoshikazu** [JP/JP]; 2–7–4, Oginosato, Otsu–shi, Shiga 520–0246 (JP). **KUSUMI, Takaaki** [JP/JP]; 2–12–21–402, Yamate–cho, Suita–shi, Osaka 564–0073 (JP). **MIZUTANI, Masako** [JP/JP]; 53–60, Katsurainui–cho, Nishikyo–ku, Kyoto–shi, Kyoto 615–8086 (JP). **NAKAYAMA, Toru** [JP/JP]; 2–1–305, Kitatakamori, Izumi–ku, Sendai–shi, Miyagi 981–3202 (JP).

(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki, Ishida & Associates, Toranomon 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–8423 (JP).

(81) AU CA CN IL JP NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/53, 9/08, C07K 16/40, C12Q 1/10, G01N 33/569, 33/577, A61K 31/70, 38/44, 39/04, 39/40**

(11) **WO 99/54479** (13) A2

(21) PCT/US99/08704

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,573 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INHIBITION OF ALKYL HYDROPEROXIDE REDUCTASE, SUBUNIT C (AhpC) TO IMPART SUSCEPTIBILITY TO ANTIMICROBIAL REACTIVE NITROGEN INTERMEDIATES
• INHIBITION DE SOUS–UNITE C (AhpC) DE L'ALKYLE HYDROPEROXYDE REDUCTASE, AUX FINS DE SENSIBILISATION D'INTERMEDIAIRES D'AZOTE, REACTIFS ET ANTIMICROBIENS

(71) **CORNELL RESEARCH FOUNDATION, INC.** [US/US]; Suite 105, 20 Thornwood Drive, Ithaca, NY 14850 (US).

(72) **NATHAN, Carl, F.**; 5 Edgewood Avenue, Larchmont, NY 10538 (US). **XIE, Qiao–wen**; 30 Sidehill Lane, Yonkers, NY 10710 (US). **CHEN, Lei**; Apartment 8C, 98–40 64th Avenue, Rego Park, NY 11374 (US).

(74) **GOLDMAN, Michael, L.** et al. / etc.; Nixon, Hargrave, Devans & Doyle LLP, Clinton Square, P.O. Box 1051, Rochester, NY 14603 (US).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/54, 15/82, A01H 5/00, C08B 37/18, C07K 14/415, 16/16**

(11) **WO 99/54480** (13) A1

(21) PCT/EP99/02538

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 98870084.5 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSGENIC PLANTS PRESENTING A MODIFIED INULIN PRODUCING PROFILE
• PLANTES TRANSGENIQUES PRESENTANT UN PROFIL DE PRODUCTION D'INULINE MODIFIE

(71) **DE STICHTING "STICHTING DIENST LANDBOUWKUNDIG ONDERZOEK"** [NL/NL]; Bornsesteeg 53, NL–6708 PD Wageningen (NL). **TIENSE SUIKERRAFFINADERIJ N.V.** [BE/BE]; Tervurenlaan 182, B–1150 Brussels (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOOPS, Andries, Jurriaan** [NL/NL]; Rijnbandijk 137, NL–4043 JK Opheusden (NL). **SEVENIER, Robert** [FR/NL]; Asserpark 44–01–B, NL–6707 HC Wageningen (NL). **VAN TUNEN, Arjen, Johannes** [NL/NL]; Wim Sonneveldstraat 31, NL–6708 NA Wageningen (NL). **DE LEENHEER, Lena** [BE/BE]; Jesus Eiklaan 64, B–3080 Tervuren (BE).

(74) **HERMANS, Johny**; Tiense Suikerraffinaderij N.V., Aandorenstraat 1, B–3300 Tienen (BE).

(81) AU BR BY CA CN CZ EE GE HU ID IN JP LT LV NZ PL RO RU SI SK UA US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **C12N 15/54, 9/10, 15/62, 15/86, 7/01, 5/10, A61K 48/00, 38/45**

(11) **WO 99/54481** (13) A1

(21) PCT/FR99/00904

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/05054 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MUTANT HAVING URACIL PHOSPHORIBOSYL TRANSFERASE ACTIVITY
• MUTANT AYANT UNE ACTIVITE URACILE PHOSPHORIBOSYL TRANSFERASE

(71) **TRANSGENE** [FR/FR]; 11, rue de Molsheim, F–67000 Strasbourg (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ERBS, Philippe** [FR/FR]; 3, rue Kirschleger, F–67000 Strasbourg (FR). **JUND, Richard** [FR/FR]; 42, rue de Soultz, F–67100 Strasbourg (FR).

(74) **CABINET GERMAIN & MAUREAU**; Boîte postale 6153, F–69466 Lyon Cedex 06 (FR).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **C12N 15/55, 9/22, 15/12, C07K 14/47, C12N 5/10, C12Q 1/34, A61K 38/17, 38/46, 48/00**

(11) **WO 99/54482** (13) A1

(21) PCT/US98/07895

(22) **16 Apr/avr 1998 (16.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DNA FRAGMENTATION FACTOR INVOLVED IN APOPTOSIS
• FACTEUR DE FRAGMENTATION D'ADN IMPLIQUE DANS L'APOPTOSE

(71) **BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM** [US/US]; 201 West 7th Street, Austin, TX 78701 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WANG, Xiaodong** [–/US]; 4063 Stonehollow Way, Dallas, TX 75287 (US). **LIU, Xuesong** [–/US]; 5454 Amesbury #1006, Dallas, TX 75206 (US).

(74) **MCMILLIAN, Nabeela, R.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **C12N 15/60, A01H 1/00, 5/00, 5/10, C12N 1/21, 15/63 // (C12N 1/21, C12R 1:19)**

(11) **WO 99/54483** (13) A1

(21) PCT/JP98/01784

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GENE OF RICE DIHYDRODIPICOLINATE SYNTHASE AND DNA RELATING TO THE SAME
• GENE DE LA DIHYDRODIPICOLINATE SYNTHASE DU RIZ ET ADN ASSOCIE

(71) **HOKKO CHEMICAL INDUSTRY CO., LTD.** [JP/JP]; 4–20, Nihonbashi Hongoku–cho 4–chome, Chuo–ku, Tokyo 103–8341 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TERAKAWA, Teruhiko** [JP/JP]; 1–6–103, Morinosato 2–chome, Atsugi–shi, Kanagawa 243–0122 (JP). **HASEGAWA, Hisakazu** [JP/JP]; 2, Carrot House, 1061–3, Toda, Atsugi–shi, Kanagawa 243–0023 (JP). **YAMAGUCHI, Masanori** [JP/JP]; 101, Sunrise–Tatsunodai, 4–6, Tatsunodai 1–chome, Zama–shi, Kanagawa 228–0023 (JP).

(74) **YAGITA, Shigeru** et al. / etc.; Bussan Building Bekkan, 1–15, Nishi Shimbashi 1–chome, Minato–ku, Tokyo 105–0003 (JP).

(81) AU CA JP US; EP (CH DE FR GB).

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(51)[6] **C12N 15/62, 15/85, 5/10, C07K 16/46, A61K 39/40, 39/42, 39/395**

(11) **WO 99/54484** (13) A1

(21) PCT/US99/08647

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,578 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 60/096,085 **11 Aug/août 1998** US **(11.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MODIFIED IMMUNOGLOBULIN MOLECULES AND METHODS FOR USE THEREOF
• MOLECULES D'IMMUNOGLOBULINE MODIFIEES ET LEURS PROCEDES D'UTILISATION

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607–5200 (US).

(72) **MORRISON, Sherie, L.**; 258 Denslow Avenue, Los Angeles, CA 90049 (US). **CHINTALACHARUVU, Koteswara, R.**; 3241 S. Sepulveda Boulevard #202, Los Angeles, CA 90034 (US). **YOO, Esther, Mikyung**; 1973 McCrea Road, Thousand Oaks, CA 91362 (US). **TRINH, Kham, M.**; 611 N. Ynez Avenue, Monterey Park, CA 91754 (US). **COLOMA, M., Josefina**; 621 Strand Street #1, Santa Monica, CA 90405 (US).

(74) **CANADY, Karen, S.**; Gates & Cooper, Suite 1050, 6701 Center Drive West, Los Angeles, CA 90045 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/63, 5/10, 15/09, 15/79, 5/00, A61K 48/00, 38/00**

(11) **WO 99/54485** (13) A1

(21) PCT/US99/08427

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,365 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A SUBJECT
• PROCEDE D'INHIBITION D'INVASION OU D'EXTENSION TUMORALE CHEZ UN SUJET

(63) US 09/062,365 (CON) 17 Apr/avr 1998 (17.04.1998)

(71) **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street and Broadway, New York, NY 10027 (US).
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(72, 75) **SCHMIDT, Ann, Marie** [US/US]; 242 Haven Road, Franklin Lakes, NJ 07417 (US). **STERN, David** [US/US]; 63 Tanners Road, Great Neck, NY 11020 (US).

(74) **WHITE, John, P.**; Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY 10036 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/63, 15/85, 1/20, C07K 16/00, A01N 37/18**

(11) **WO 99/54486** (13) A1

(21) PCT/US99/08705

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,669 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CANINE ERYTHROPOIETIN GENE AND RECOMBINANT PROTEIN
• GENE DE L'ERITHROPOIETINE CANINE ET PROTEINE RECOMBINEE

(71) **CORNELL RESEARCH FOUNDATION, INC.** [US/US]; Suite 105, 20 Thornwood Drive, Ithaca, NY 14850 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MACLEOD, James, N.** [US/US]; 160 Snyder Hill Road, Ithaca, NY 14850 (US).

(74) **GOLDMAN, Michael, L.** et al. / etc.; Nixon, Hargrave, Devans & Doyle LLP, Clinton Square, P.O. Box 1051, Rochester, NY 14603 (US).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12N 15/70, C12Q 1/68**

(11) **WO 99/54487** (13) A2

(21) PCT/IB99/00740

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/060,756 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM THE GENOME OF A MYCOBACTERIUM USING A BAC–BASED DNA LIBRARY. APPLICATION TO THE DETECTION OF MYCOBACTERIA

- PROCEDE D'ISOLATION D'UN POLYNUCLEOTIDE RECHERCHE, A PARTIR DU GENOME D'UNE MYCOBACTERIE A L'AIDE D'UNE LIBRAIRIE D'ADN BAC. APPLICATION A LA DETECTION DE MYCOBACTERIES

(71) **INSTITUT PASTEUR** [FR/FR]; 28, rue du Docteur Roux, F–75015 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **COLE, Stewart** [GB/FR]; 23 bis, rue Cécile Dinant, F–92140 Clamart (FR). **BUCHRIESER–BROSCH, Roland** [AT/FR]; 7 F, boulevard Jourdan, F–75014 Paris (FR). **GORDON, Stephen** [IE/FR]; 82, rue Dutot, F–75015 Paris (FR). **BILLAULT, Alain** [FR/FR]; 45, avenue du Château, F–77680 Roissy–en–Brie (FR).

(74) **MARTIN, Jean–Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F–75116 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/74, 15/68, 9/88, 9/48**

(11) **WO 99/54488** (13) A1

(21) PCT/DK99/00209

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 0551/98 **21 Apr/avr 1998** DK **(21.04.1998)**

(30) 60/082,555 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- FOOD–GRADE CLONING VECTOR AND THEIR USE IN LACTIC ACID BACTERIA
- VECTEUR DE CLONAGE A USAGE ALIMENTAIRE ET SON UTILISATION DANS LES BACTERIES LACTIQUES

(71) **CHR. HANSEN A/S** [DK/DK]; Bøge Allé 10–12, DK–2970 Hørsholm (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SØRENSEN, Kim, Ib** [DK/DK]; Hvilebækvænge 66, DK–3520 Farum (DK). **LARSEN, Rasmus** [DK/DK]; Jagtvej 120, 3. vær 335, DK–2200 Copenhagen N (DK). **JOHANSEN, Eric** [CA/DK]; Gutfeldtsvej 9, DK–2970 Hørsholm (DK).

(74) **PLOUGMANN, VINGTOFT & PARTNERS A/S**; Sankt Annae Plads 11, P.O. Box 3007, DK–1021 Copenhagen K (DK).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/82, 15/29, A01H 5/00**

(11) **WO 99/54489** (13) A1

(21) PCT/EP99/02696

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 98 20 1279.1 **21 Apr/avr 1998** EP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- STRESS TOLERANT PLANTS
- VEGETAUX TOLERANTS AUX AGRESSIONS

(71) **CROPDESIGN N.V.** [BE/BE]; Technologiepark 3, B–9052 Zwijnaarde–Gent (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BURSSENS, Sylvia** [BE/BE]; Bosstraat 60, B–9620 Zottegem (BE). **VERBRUGGEN, Nathalie** [BE/BE]; 53, avenue des Saisons, B–1050 Ixelles (BE). **INZÉ, Dirk** [BE/BE]; Driesstraat 18, B–9310 Moorsel–Aalst (BE). **BEECKMAN, Tom** [BE/BE]; Avenskouter 9, B–9820 Merelbeke (BE).

(74) **VOSSIUS & PARTNER**; P.O. Box 86 07 67, D–81634 München (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/82, 15/29, G01N 33/48, C12N 5/00, A01H 5/00, C07K 14/415, 16/16**

(11) **WO 99/54490** (13) A2

(21) PCT/GB99/01182

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808083.1 **16 Apr/avr 1998** GB **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- PLANT–DERIVED RESISTANCE GENE
- GENE DE RESISTANCE TIRE D'UNE PLANTE

(71) **PLANT BIOSCIENCE LIMITED** [GB/GB]; Norwich Research Park, Colney Lane, Norwich, Norfolk NR4 7UH (GB).
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(72, 75) **BENDAHMANE, Abdelhafid** [MA/GB]; 61 Pettus Road, Norwich, Norfolk NR4 7BY (GB). **BAULCOMBE, David, Charles** [GB/GB]; 63 Caernarvon Road, Norwich, Norfolk NR2 3HY (GB). **KANYUKA, Konstantin Valerievich** [RU/GB]; University of Bristol, IACR – Long Ashton Research Station, Dept. of Agricultural Science, Long Ashton, Bristol BS41 9AF (GB).

(74) **KREMER, Simon, M.** et al. / etc.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12N 15/85, A01K 67/027, A61K 48/00**

(11) **WO 99/54491** (13) A1

(21) PCT/US99/08710

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,352 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- USE OF MURINE MYOSIN HEAVY CHAIN PROMOTERS FOR GENE THERAPY AND PRODUCTION OF TRANSGENICS
- UTILISATION DE PROMOTEURS A CHAINE LOURDE DE LA MYOSINE MURINE EN THERAPIE GENIQUE ET DANS LA PRODUCTION D'ANIMAUX TRANSGENIQUES

(71) **CHILDREN'S HOSPITAL MEDICAL CENTER** [US/US]; 3333 Burnet Avenue, Cincinnati, OH 45229–3039 (US).

(72) **ROBBINS, Jeffrey**; 9000 Beech Trail, Cincinnati, OH 45243 (US).

(74) **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson & Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12P 13/00**

(11) **WO 99/54492** (13) A1

(21) PCT/JP99/02003

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/122721 **17 Apr/avr 1998 (17.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR PRODUCING ALKALI METAL [S,S]–ETHYLENEDIAMINE–N,N'–DISUCCINATES
• PROCEDE SERVANT A PREPARER DES [S,S]–ETHYLENEDIAMINE–N,N'–DISUCCINATES DE METAUX ALCALINS

(71) **MITSUBISHI RAYON CO., LTD.** [JP/JP]; 6–41, Konan 1–chome, Minato–ku, Tokyo 108–8506 (JP).
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(72, 75) **KANEKO, Makoto** [JP/JP]; Mitsubishi Rayon Co., Ltd., Chemicals Development Laboratories, 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **ENDO, Takakazu** [JP/JP]; Mitsubishi Rayon Co., Ltd., Chemicals Development Laboratories, 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **FUKUDA, Toshihiko** [JP/JP]; Mitsubishi Rayon Co., Ltd., Chemicals Development Laboratories, 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP). **KATO, Mami** [JP/JP]; Mitsubishi Rayon Co., Ltd., Chemicals Development Laboratories, 10–1, Daikoku–cho, Tsurumi–ku, Yokohama–shi, Kanagawa 230–0053 (JP).

(74) **ASAMURA, Kiyoshi** et al. / etc.; New Ohtemachi Building Room 331, 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12Q 1/00**

(11) **WO 99/54493** (13) A2

(21) PCT/IB99/01024

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,206 **17 Apr/avr 1998 (17.04.1998)** US

(30) 60/084,784 **8 May/mai 1998 (08.05.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOVEL MUTATIONS IN THE *FREAC3* GENE FOR DIAGNOSIS AND PROGNOSIS OF GLAUCOMA AND ANTERIOR SEGMENT DYSGENESIS
• NOUVELLES MUTATIONS DANS LE GENE *FREAC3* POUR LE DIAGNOSTIC ET LE PRONOSTIQUE DU GLAUCOME ET DE LA DYSGENESIE DU SEGMENT ANTERIEUR

(71) **UNIVERSITY OF ALBERTA** [CA/CA]; 222 Campus Tower, 8625–112 Street, Edmonton, Alberta T6G 2E1 (CA).

(72) **WALTER, Michael, A.**; 9812–77th Avenue, Edmonton, Alberta T6G 1M4 (CA). **JORDAN, Tim**; 100 Upper Shirley Avenue, Southampton, SO15 5NN (GB). **RAYMOND, Vincent**; Apartment #3, 858 Madeline–de–Vercheres, Quebec City, Quebec G1S 4K5 (CA).

(74) **MBM & CO.**; P.O. Box 809, Station B, Ottawa, Ontario K1P 5P9 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/00**

(11) **WO 99/54494** (13) A2

(21) PCT/US99/08345

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,330 **17 Apr/avr 1998 (17.04.1998)** US

(30) 09/157,748 **21 Sep/sep 1998 (21.09.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIPARAMETER FACS ASSAYS TO DETECT ALTERATIONS IN CELLULAR PARAMETERS AND TO SCREEN SMALL MOLECULE LIBRARIES
• DOSAGES A PARAMETRES MULTIPLES POUR TRIEURS DE CELLULES PAR FLUORESCENCE SERVANT A DETECTER DES MODIFICATIONS DE PARAMETRES CELLULAIRES ET A CRIBLER DES BIBLIOTHEQUES DE PETITES MOLECULES

(71) **RIGEL PHARMACEUTICALS, INC.** [US/US]; 240 E. Grand Avenue, South San Francisco, CA 94080 (US).

(72) **FISHER, Joseph**; 2634 Belmont Canyon Road, Belmont, CA 94002 (US). **LORENS, James**; 2010 Avy Avenue, Menlo Park, CA 94025 (US). **PAYAN, Donald**; 24 Windsor Drive, Hillsborough, CA 94010 (US). **ROSSI, Alexander**; 2177 – 48th Avenue, San Francisco, CA 94116 (US).

(74) **SILVA, Robin, M.** et al. / etc.; Flehr, Hohbach, Test, Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111–4187 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/32, 1/48, 1/527**

(11) **WO 99/54495** (13) A1

(21) PCT/AU99/00287

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) PP 3042 **17 Apr/avr 1998 (17.04.1998)** AU

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ASSAY FOR SCREENING INHIBITORS OF C_4 PLANT ENZYMES
• ESSAI DE CRIBLAGE DES INHIBITEURS DES ENZYMES DES VEGETAUX C_4

(71) **AUSTRALIAN INSTITUTE OF MARINE SCIENCE** [AU/AU]; Cape Cleveland Road, Cape Ferguson, Townsville, QLD 4811 (AU). **JAMES COOK UNIVERSITY OF NORTH QUEENSLAND** [AU/AU]; Townsville, QLD 4811 (AU).
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(72, 75) **BURNELL, James, Nigel** [AU/AU]; 14 Woodhouse Court, Annandale, QLD 4814 (AU). **LLEWELLYN, Lyndon, Edwin** [AU/AU]; 1 Doorey Street, Railway Estate, QLD 4810 (AU).

(74) **CAINE, Michael, J.** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68, C07K 14/705**

(11) **WO 99/54496** (13) A2

(21) PCT/EP99/02614

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 98870088.6 **20 Apr/avr 1998 (20.04.1998)** EP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR TYPING OF HLA ALLELES
• METHODE DE GROUPAGE D'ALLELES DE HLA

(71) **INNOGENETICS N.V.** [BE/BE]; Industriepark Zwijnaarde 7, P.O. Box 4, B–9052 Ghent (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DE CANCK, Ilse** [BE/BE]; Kruishofstraat 146, Bus 105, B–2020 Antwerpen (BE). **MERSCH, Guy** [BE/BE]; Haanstraat 26, B–9000 Gent (BE). **ROSSAU, Rudi** [BE/BE]; Wilgehoevestraat 45, B–2180 Ekeren (BE).

(74) **JACOBS, Philippe**; Innogenetics N.V., Industriepark Zwijnaarde 7, P.O. Box 4, B–9052 Ghent (BE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68, G01N 21/64**

(11) **WO 99/54497** (13) A1

(21) PCT/EP99/02622

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) de (26) de

(30) 198 22 452.4 **22 Apr/avr 1998 (22.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR DETERMINING THE CONCENTRATION, ADSORPTION AND BINDING KINETICS AND EQUILIBRIUM AND BINDING CONSTANTS OF MOLECULES BY LUMINESCENCE MEASUREMENTS
• PROCEDE ET DISPOSITIF DE DETERMINATION DE CONCENTRATION, DETERMINATION DE CINETIQUES D'ADSORPTION ET DE LIAISON, ET CONSTANTES D'EQUILIBRE ET DE LIAISON DE MOLECULES PAR DES MESURES PAR LUMINESCENCE

(71, 72) **SEEGER, Stefan** [DE/DE]; Johann–Wolfgang–v.Goethe–Strasse 2, D–93077 Bad Abbach (DE).

(74) **HOFFMANN . EITLE**; Arabellastrasse 4, D–81925 München (DE).

(81) CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54498** (13) A1

(21) PCT/GB99/01121

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 9808145.8 **17 Apr/avr 1998 (17.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR DETECTING ALLELIC IMBALANCE
• METHODE DE DETECTION D'UN DESEQUILIBRE ALLELIQUE

(71) **ZENECA LIMITED** [GB/GB]; 15 Stanhope Gate, London W1Y 6LN (GB).
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(72, 75) **LITTLE, Stephen** [GB/GB]; Gadbrook Park, Rudheath, Cheshire CW9 7RA (GB). **HAQUE, Kemal** [GB/GB]; Gadbrook Park, Rudheath, Cheshire CW9 7RA (GB). **FOX, Jayne, Catherine** [GB/GB]; Gadbrook Park, Rudheath, Cheshire CW9 7RA (GB).

(74) **BILL, Kevin**; Zeneca Pharmaceuticals, Intellectual Property Dept., Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54499** (13) A1

(21) PCT/GB99/01161

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808202.7 **17 Apr/avr 1998 (17.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF ANALYSIS OF CHRONIC WOUNDS
• PROCEDE D'ANALYSE DE PLAIES CHRONIQUES

(71) **JOHNSON & JOHNSON MEDICAL LIMITED** [GB/GB]; Erskine House, 68–73 Queen Street, Edinburgh EH2 4NH (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HARVEY, Wilson** [GB/GB]; 53 Westwood, Carlton, Skipton, North Yorkshire BD23 3DW (GB).

(74) **JAMES, Anthony, Christopher, W., P.**; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54500** (13) A2

(21) PCT/IB99/00822

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,614 **21 Apr/avr 1998 (21.04.1998)** US

(30) 60/109,732 **23 Nov/nov 1998 (23.11.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BIALLELIC MARKERS FOR USE IN CONSTRUCTING A HIGH DENSITY DISEQUILIBRIUM MAP OF THE HUMAN GENOME
• MARQUEURS BIALLELES CONVENANT A LA CONSTITUTION D'UNE CARTE HAUTE DENSITE DES DESEQUILIBRES DU GENOME HUMAIN

(71) **GENSET** [FR/FR]; 24, rue Royale, F–75008 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **COHEN, Daniel** [FR/FR]; 5, avenue Odette, F–94120 Fontenay–sous–Bois (FR). **BLUMENFELD, Marta** [FR/FR]; 5, rue Tagore, F–75013 Paris (FR). **CHUMAKOV, Ilya** [FR/FR]; 196, rue des Chèvrefeuilles, F–77000 Vaux–le–Pénil (FR).

(74) **MARTIN Jean–Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F–75116 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54501** (13) A1

(21) PCT/IE98/00030

(22) **22 Apr/avr 1998 (22.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR THE CHARACTERISATION OF NUCLEIC ACID MOLECULES INVOLVING GENERATION OF EXTENDIBLE UPSTREAM DNA FRAGMENTS RESULTING FROM THE CLEAVAGE OF NUCLEIC ACID AT AN ABASIC SITE
• METHODE DE CARACTERISATION DE MOLECULES D'ACIDE NUCLEIQUE IMPLIQUANT LA GENERATION DE FRAGMENTS D'ADN D'AMONT EXTENSIBLES A PARTIR DU CLIVAGE D'ACIDE NUCLEIQUE AU NIVEAU D'UN SITE ABASIQUE

(71) **ENTERPRISE IRELAND trading as BIORESEARCH IRELAND** [IE/IE]; Glasnevin, Dublin 9 (IE). **UNIVERSITY COLLEGE CORK** [IE/IE]; College Road, Cork (IE).
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(72, 75) **McCARTHY, Thomas, Valentine** [IE/IE]; Vista Villa, Montenotte, Cork (IE). **VAUGHAN, Patrick, Martin** [IE/IE]; 175 West Avenue, Parkgate, Frankfield, Cork (IE).

(74) **ANNE RYAN & CO.**; 60 Northumberland Road, Ballsbridge, Dublin 4 (IE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68, 1/04**

(11) **WO 99/54502** (13) A1

(21) PCT/NL99/00223

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 98201253.6 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR THE RAPID DETERMINATION OF BACTERIA
• METHODE RAPIDE DE DETERMINATION BACTERIENNE

(71) **ACADEMISCH ZIEKENHUIS GRONINGEN** [NL/NL]; Oostersingel 59, NL–9713 EX Groningen (NL). **RIJKSUNIVERSITEIT TE GRONINGEN** [NL/NL]; Broerstraat 5, D–9712 CP Groningen (NL).
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(72, 75) **JANSEN, Gijsbert, Johan** [NL/NL]; Suderspaerlân 16, NL–9061 BJ Giekerk (NL). **DEGENER, John, Edward** [NL/NL]; de Rozentuin 1, NL–9203 LP Drachten (NL). **WELLING, Gjalt, Wietze** [NL/NL]; Hoofdstraat 48, NL–9315 PC Roderwolde (NL).

(74) **OTTEVANGERS, S., U.**; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL–2587 BN The Hague (NL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68, G01N 33/53, 33/535, 33/545, 33/552**

(11) **WO 99/54503** (13) A1

(21) PCT/US99/06531

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/064,451 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SIMPLIFIED SEQUENTIAL CHEMILUMINESCENT DETECTION
• DETECTION PAR CHIMILUMINESCENCE SEQUENTIELLE SIMPLIFIEE

(71) **LUMIGEN, INC.** [US/US]; 24485 W. Ten Mile Road, Southfield, MI 48034 (US).

(72) **AKHAVAN–TAFTI, Hashem**; 2107 Johns Drive, Brighton, MI 48116 (US).

(74) **BOLAND, Mark .** et al. / etc.; Sughrue, Mion, Zinn, MacPeak & Seas PLLC, Suite 800, 2100 Pennsylvania Avenue, N.W., Washington, DC 20031–3202 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54504** (13) A1

(21) PCT/US99/08398

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,112 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF DESIGNING AN AGENT THAT MIMICS A FUNCTIONAL EPITOPE
• PROCEDE DE DESIGNATION D'UN AGENT IMITANT UN EPITOPE FONCTIONNEL

(71) **UNIVERSITY OF MARYLAND, BALTIMORE** [US/US]; 520 West Lombard Street, Baltimore, MD 21201 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAYASHI, Jun** [US/US]; 10200 Savoy Court, Ellicott City, MD 21042 (US). **MACKERELL, Alexander, D., Jr.** [US/US]; 635 Dover Street, Baltimore, MD 21230 (US).

(74) **KOKULIS, Paul, N.** et al. / etc.; Pillsbury Madison & Sutro LLP, 1100 New York Avenue, N.W., Washington, DC 20005 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68, C07H 21/04, C07K 7/00**

(11) **WO 99/54505** (13) A1

(21) PCT/US99/08403

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,440 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A PROTEIN THAT ENHANCES EXPRESSION OF POTASSIUM CHANNELS ON CELL SURFACES AND NUCLEIC ACIDS THAT ENCODE THE SAME
• PROTEINE AMELIORANT L'EXPRESSION DES CANAUX POTASSIUM A LA SURFACE DES CELLULES ET ACIDES NUCLEIQUES CODANT CETTE PROTEINE

(71) **THE METROHEALTH SYSTEM** [US/US]; 2500 Metrohealth Drive, Cleveland, OH 44109 (US).

(72) **BROWN, Arthur, M.**; 9831 Hillsdale Road, Bricksville, OH 44141 (US). **WIBLE, Barbara, A.**; 2315 Delaware Drive, Cleveland, OH 44109 (US). **YANG, Qing**; 3741 Grosvenor Road, S. Euclid, OH 44118 (US).

(74) **GOLRICK, Mary, E.**; Calfee, Halter & Griswold LLP, Suite 1400, 800 Superior Avenue, Cleveland, OH 44114 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54506** (13) A1

(21) PCT/US99/08561

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,405 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF ISOLATING TARGET SPECIFIC OLIGONUCLEOTIDE LIGANDS
• PROCEDE D'ISOLEMENT DE LIGANDS OLIGONUCLEOTIDIQUES SPECIFIQUES CIBLE

(71) **BIOAGE PHARMACEUTICALS, INC.** [US/US]; Suite E105, 6450 Lusk Boulevard, San Diego, CA 92121 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LI, Weihua** [CN/US]; 12647 Caminito Bestello, San Diego, CA 92130 (US).

(74) **KREUSSER, Edward, O.**; Lyon & Lyon LLP, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071–2066 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68, C12P 19/34, A61K 48/00**

(11) **WO 99/54507** (13) A1

(21) PCT/US99/08630

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,369 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REPEAT POLYMORPHISM IN THE FRATAXIN GENE AND USES THEREFOR
• POLYMORPHISME DE REPETITION DANS LE GENE DE LA FRATAXINE ET SES UTILISATIONS

(63) US 60/082,369 (CON) 20 Apr/avr 1998 (20.04.1998)

(71) **JOSLIN DIABETES CENTER** [US/US]; One Joslin Place, Boston, MA 02215 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAHN, C., Ronald** [US/US]; 64 Valentine Park, West Newton, MA (US). **RISTOW, Michael** [US/US]; Apartment 8, 20 Garden Street, Boston, MA 02114 (US).

(74) **MYERS, P., Louis**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110 (US).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54508** (13) A1

(21) PCT/US99/08731

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,477 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RAPID AND SENSITIVE METHOD FOR DETECTING *HISTOPLASMA CAPSULATUM*
• PROCEDE RAPIDE ET SENSIBLE DE DETECTION D'*HISTOPLASMA CAPSULATUM*

(71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; Centers for Disease Control and Prevention, N.E. Room 500, 255 East Paces Ferry Road, Atlanta, GA 30333 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHAFER, Millie, P.** [US/US]; 3320 Ashwood Drive, Cincinnati, OH 45213 (US). **REID, Thomas, M.** [US/US]; 8616 Linderwood Lane, Cincinnati, OH 45255 (US).

(74) **SAMPLES, Kenneth, H.** et al. / etc.; Fitch, Even, Tabin & Flannery, Room 1600, 120 South LaSalle, Chicago, IL 60603 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54509** (13) A1

(21) PCT/US99/08745

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,311 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS FOR REDUCING NON–SPECIFIC BINDING TO A NUCLEIC ACID PROBE ARRAY
• REDUCTION DES LIAISONS NON SPECIFIQUES AVEC UNE MATRICE DE SONDES D'ACIDES NUCLEIQUES

(63) US 09/063,311 (CON) 20 Apr/avr 1998 (20.04.1998)

(71) **AFFYMETRIX, INC.** [US/US]; 3380 Central Expressway, Santa Clara, CA 95051 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **McGALL, Glenn** [CA/US]; 1121 Sladky Avenue, Mountain View, CA 94043 (US). **GOLDBERT, Martin** [US/US]; 1498 Bing Drive, San Jose, CA 95129 (US). **RYDER, Thomas, B.** [US/US]; 100 Spring Street, Los Gatos, CA 95030 (US). **WOODMAN, Steve** [US/US]; 1165 Dermott Drive, San Jose, CA 95129 (US).

(74) **LIEBESCHUETZ, Joe** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111–3834 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C12Q 1/68**

(11) **WO 99/54510** (13) A2

(21) PCT/US99/08968

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,673 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • QUANTITATIVE ANALYSIS OF GENE EXPRESSION
• ANALYSE QUANTITATIVE D'EXPRESSION DE GENE

(71) **GENENTECH, INC.** [US/US]; 1 DNA Way, South San Francisco, CA 94080–4990 (US).

(72) **LOWE, David, G.**; 35 Via Delizia, Hillsborough, CA 94010 (US). **SCHOENFELD, Jill, R.**; 236 Arundel Road, Burlingame, CA 94010 (US).

(74) **CONLEY, Deirdre, L.** et al. / etc.; Genentech, Inc., 1 DNA Way, South San Francisco, CA 94080–4990 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C21C 5/52, 5/46, 7/10, F27B 3/20, 3/08**

(11) **WO 99/54511** (13) A1

(21) PCT/DE99/01202

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 590.6 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VARIABLY INSERTABLE COMBINED LANCE WITH DISPLACEABLE BURNER AND BLOWER LANCE BODIES
• LANCE COMBINEE POLYVALENTE AVEC CORPS DE BRULEUR ET CORPS DE LANCE DE SOUFFLAGE COULISSANTS

(71) **TECHNOMETAL GESELLSCHAFT FÜR METALLTECHNOLOGIE MBH** [DE/DE]; Schifferstrasse 22, D–47059 Duisburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WAGENER, Friedhelm** [DE/DE]; Am Dikelsbach 49, D–47269 Duisburg (DE). **LUVEN, Arno** [DE/DE]; Oelhausenweg 11, D–47803 Krefeld (DE).

(74) **MÜLLER, Karl–Ernst** et al. / etc.; Turmstrasse 22, D–40878 Ratingen (DE).

(81) BR CN KR RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C21C 5/52**

(11) **WO 99/54512** (13) A1

(21) PCT/JP98/01828

(22) **21 Apr/avr 1998 (21.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF JUDGING SLAG FORMING STATE IN ELECTRIC FURNACE STEEL PRODUCTION AND METHOD OF OPERATING ELECTRIC FURNACE
• PROCEDE POUR DETERMINER L'ETAT DE FORMATION DE SCORIES PENDANT LA PRODUCTION D'ACIER AU FOUR ELECTRIQUE, ET PROCEDE D'EXPLOITATION DUDIT FOUR ELECTRIQUE

(71) **KAWASAKI STEEL CORPORATION** [JP/JP]; 1–28, Kitahonmachi–dori 1–chome, Chuo–ku, Kobe–shi, Hyogo 651–0075 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMASHITA, Katsutoshi** [JP/JP]; Mizushima Works, Kawasaki Steel Corporation, Kawasakidori 1–chome, Mizushima, Kurashiki–shi, Okayama 712–8074 (JP). **UEDA, Arata** [JP/JP]; Daiwa Steel Corporation, Kawasakidori 1–chome, Mizushima, Kurashiki–shi, Okayama 712–8074 (JP). **NAKAHARA, Toyohito** [JP/JP]; Daiwa Steel Corporation, Kawasakidori 1–chome, Mizushima, Kurashiki–shi, Okayama 712–8074 (JP).

(74) **OCHIAI, Kenichiro**; Tokyo Head Office, Kawasaki Steel Corporation, Hibiya Kokusai Building, 2–3, Uchisaiwaicho 2–chome, Chiyoda–ku, Tokyo 100–0011 (JP).

(81) BR KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C21D 1/68, 8/10, 9/08**

(11) **WO 99/54513** (13) A1

(21) PCT/US99/07018

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,732 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR STRAIGHTENING TURBINE CASINGS
• PROCEDE ET APPAREIL DE DEGAUCHISSAGE DE CARTERS DE TURBINES

(71, 72) **WILHELM, Peter, L.** [US/US]; 5415 Meadow Chase Road, Midlothian, VA 23112 (US). **STOECKLI, Bruno** [CH/US]; 14902 Highberry Woods Terrace, Midlothian, VA 23112 (US).

(74) **POUS, Robert, T.** et al. / etc.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Suite 400, 1755 Jefferson Davis Highway, Arlington, VA 22202 (US).

(81) CA CN JP KR US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C22B 1/00, B02C 2/04**

(11) **WO 99/54514** (13) A1

(21) PCT/IB99/00714

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 98/3380 **22 Apr/avr 1998** ZA **(22.04.1998)**

(30) 99/2177 **18 Mar/mar 1999** ZA **(18.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ORE COMMINUTION PROCESS USING BED–COMPRESSION METHOD AT LOW PRESSURES AND INSTALLATION THEREFOR
• PROCEDE DE FRAGMENTATION DE MINERAI PAR TECHNIQUE DE COMPRESSION D'UN LIT, A BASSES PRESSION, ET INSTALLATION DESTINEE A CET EFFET

(71) **ANGLO AMERICAN RESEARCH LABORATORIES (PROPRIETARY) LIMITED** [ZA/ZA]; 44 Main Street, Johannesburg 2001 (ZA).

(72) **TUMILTY, James, Anthony, Jude**; 7B First Avenue, Rivonia, Sandton 2128 (ZA). **SER, Vilim**; 532 Juweel Street, Jukskei Park 2153 (ZA). **FELDMAN, Carlos, Mauricio**; 51 Louis Botha Road, Florida Park 1709 (ZA). **SMIT, Jan, Tjeerd**; 42 Thomas Baines Street, Roosevelt Park Extension, Johannesburg 2195 (ZA).

(74) **GILSON, David, Grant** et al. / etc.; Spoor and Fisher, P.O. Box 41312, 2024 Craighall (ZA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C22B 11/12**

(11) **WO 99/54515** (13) A1

(21) PCT/IB98/01626

(22) **20 Sep/sep 1998 (20.09.1998)**

(25) en (26) en

(30) 09/061,956 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NOZZLE FOR LOW PRESSURE FLASH TANKS FOR ORE SLURRY
• BUSE POUR RESERVOIRS DE DETENTE BASSE PRESSION POUR BOUILLIE DE MINERAIS

(71) **BARRICK GOLD CORPORATION** [CA/CA]; Royal Bank Plaza, South Tower, Suite 2700, 200 Bay Street, Toronto, Ontario M5J 2J3 (CA).

(72) **WILLIAMS, Richard**; Suite 2700, 200 Bay Street, Toronto, Ontario M5J 2J3 (CA). **DIXON, David**; 309–6350 Stores Road, Vancouver, British Columbia V6T 1Z4 (CA). **ENLOE, Larry**; P.O. Box 29, Elko, NV 89803 (US). **WILMOT, Paul**; P.O. Box 29, Elko, NV 89803 (US).

(74) **PAXTON, John, E.** et al. / etc.; Smart & Biggar, 900–55 Metcalfe Street, P.O. Box 2999, Station D, Ottawa, Ontario K1P 5Y6 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C22B 15/00, C07C 249/00, 275/00, 233/00, 261/00, C01B 31/00**

(11) **WO 99/54516** (13) A1

(21) PCT/US99/06539

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,235 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MODIFIERS FOR ALDOXIME EXTRACTANT OF METAL VALUES
• MODIFICATEURS POUR AGENT D'EXTRACTION ALDOXIME DE METAUX

(71) **HENKEL CORPORATION** [US/US]; Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US).

(72) **VIRNIG, Michael, J.**; 5013 N. Amapola Drive, Tucson, AZ 85745 (US). **MATTISON, Phillip, L.**; 354 Evergreen Drive, North Wales, PA 19454 (US). **KRBECHEK, Leroy, O.**; 1119 Humboldt Street #C, Santa Rosa, CA 95404 (US). **MACKENZIE, J., Murdoch**; 86 Kilmore Road, Gisborne, VIC 3437 (AU).

(74) **DRACH, John, E.**; Henkel Corporation, Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C22C 19/03**

(11) **WO 99/54517** (13) A1

(21) PCT/US99/08622

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,543 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED HYDROGEN STORAGE ALLOYS AND METHODS AND IMPROVED NICKEL METAL HYDRIDE ELECTRODES AND BATTERIES USING SAME
• ALLIAGES DE STOCKAGE D'HYDROGENE AMELIORES, PROCEDES ASSOCIES ET ELECTRODES ET BATTERIES D'HYDRURE DE NICKEL EN ETANT FAIT

(71) **ENERGY CONVERSION DEVICES, INC.** [US/US]; 1675 W. Maple Road, Troy, MI 48084 (US).

(72) **OVSHINSKY, Stanford, R.**; 2700 Squirrel Road, Bloomfield Hills, MI 48013 (US). **YOUNG, Rosa, T.**; 1490 Brentwood, Troy, MI 48098 (US). **CHAO, Benjamin**; 4578 Wintergreen Drive, Troy, MI 48098 (US).

(74) **SCHUMAKER, David, W.** et al. / etc.; Energy Conversion Devices, Inc., 1675 W. Maple Road, Troy, MI 48084 (US).

(81) AU BR CA FI JP KR MX NO RU SG UA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C23C**

(11) **WO 99/54518** (13) A2

(21) PCT/US99/08666

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,857 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OXIDATION RESISTANCE COATING SYSTEM FOR REFRACTORY METALS
• SYSTEME DE DEPOT DE REVETEMENTS RESISTANTS A L'OXYDATION POUR METAUX REFRACTAIRES

(71) **COLORADO SCHOOL OF MINES** [US/US]; 1500 Illinois, Golden, CO 80801 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MOORE, John, J.** [US/US]; 16097 West Ellsworth Lane, Golden, CO 80401 (US). **GOVINDARAJAN, Shrinivas** [IN/US]; 5600 H. Tumbleweed Circle, Richmond, VA 23228 (US).

(74) **FISCHMANN, Kent, A.** et al. / etc.; Holme Roberts & Owen LLP, Suite 4100, 1700 Lincoln Street, Denver, CO 80203 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C23C 8/16**

(11) **WO 99/54519** (13) A1

(21) PCT/US98/07961

(22) **20 Apr/avr 1998 (20.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF PRODUCING OXIDE SURFACE LAYERS ON METALS AND ALLOYS
• PROCEDE POUR PRODUIRE DES COUCHES DE SURFACE D'OXYDE SUR DES METAUX ET DES ALLIAGES

(71, 72) **SAVELIY, Gugel** [US/US]; 109–10 Park Lane S. #B3, Richmond Hill, NY 11418 (US).

(74) **ZBOROVSKY, Ilya**; 6 Schoolhouse Way, Dix Hills, NY 11746 (US).

(81) CA CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C23C 14/06, D21F 1/48, D21G 3/00**

(11) **WO 99/54520** (13) A1

(21) PCT/FI99/00316

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) fi (26) en

(30) 980884 **22 Apr/avr 1998** FI **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PARTS OF A PAPER/BOARD OR FINISHING MACHINE THAT ARE SUBJECTED TO INTENSIVE WEAR AND METHOD FOR MANUFACTURE OF SUCH PARTS
• PARTIES D'UNE MACHINE A PAPIER/CARTON OU DE FINISSAGE SOUMISES A UNE USURE INTENSIVE, ET PROCEDE DE FABRICATION DE TELLES PARTIES

(71) **VALMET CORPORATION** [FI/FI]; Panuntie 6, FIN–00620 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LINTULA, Timo** [FI/FI]; Lintusyrjäntie 64, FIN–42700 Keuruu (FI). **TOIVANEN, Heikki** [FI/FI]; Pitkäläntie 10, FIN–40950 Muurame (FI).

(74) **FORSSEN & SALOMAA OY**; Yrjönkatu 30, FIN–00100 Helsinki (FI).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **C23C 16/00**

(11) **WO 99/54521** (13) A2

(21) PCT/US99/07585

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) en (26) en

(30) 09/264,990 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR MODIFYING THE PROFILE OF HIGH–ASPECT–RATIO GAPS USING DIFFERENTIAL PLASMA POWER
• PROCEDE ET APPAREIL PERMETTANT DE MODIFIER LE PROFIL D'ESPACES A RAPPORT DE FORME

ELEVE EN APPLIQUANT UNE PUISSANCE DIFFERENTIELLE AU PLASMA

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **NARWANKAR, Pravin**; 392 Waverly Street, Sunnyvale, CA 94086 (US). **DESAI, Sameer**; 99 East Middlefield Road #32, Mountain View, CA 94043 (US). **ZYGMUNT, Walter**; 4756 Plainfield Drive, San Jose, CA 95111 (US). **SAHIN, Turgut**; 11110 Chadwick Place, Cupertino, CA 95014 (US). **MURUGESH, Laxman**; 2085 Olive Avenue, Fremont, CA 94539 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C23C 16/44, 16/14, 16/56, H01L 21/321**

(11) **WO 99/54522** (13) A1

(21) PCT/US99/08193

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/063,196 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF PASSIVATING A CVD CHAMBER
• PROCEDE PERMETTANT DE PASSIVER UNE CHAMBRE DE DEPOT CHIMIQUE EN PHASE VAPEUR (CVD)

(71) **TOKYO ELECTRON ARIZONA, INC.** [US/US]; 2120 W. Guadalupe Road, Gilbert, AZ 85233–8205 (US). **TOKYO ELECTRON LIMITED** [JP/JP]; TBS Broadcast Center, 3–6, Akasaka 5–chome, Minato–ku, Tokyo 107 (JP).

(72) **AMEEN, Michael, S.**; 3128 North 52nd Street, Phoenix, AZ 85018 (US). **HILLMAN, Joseph, T.**; 8025 E. McLellan Boulevard, Scottsdale, AZ 85250 (US). **LEUSINK, Gert**; 5518 South Rocky Point Road, Tempe, AZ 85283 (US). **WARD, Michael**; Desert Trumpet Road, Phoenix, AZ 85043 (US). **YASAR, Tugrul**; 13947 E. Coyote Road, Scottsdale, AZ 85259 (US).

(74) **JORDAN, Joseph, R.** et al. / etc.; Wood, Herron & Evans, L.L.P., 2700 Carew Tower, Cincinnati, OH 45202 (US).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C23C 22/73, 22/10**

(11) **WO 99/54523** (13) A1

(21) PCT/JP99/02027

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 10/113365 **23 Apr/avr 1998** JP **(23.04.1998)**

(30) 11/55156 **3 Mar/mar 1999** JP **(03.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SURFACE–TREATED STEEL SHEET AND MANUFACTURING METHOD THEREOF
• ACIER TRAITE EN SURFACE ET PROCEDE DE FABRICATION CORRESPONDANT

(71) **NIPPON STEEL CORPORATION** [JP/JP]; 6–3, Otemachi 2–chome, Chiyoda–ku, Tokyo 100–8071 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ISHIZUKA, Kiyokazu** [JP/JP]; Nippon Steel Corporation Hirohata Works, 1, Fujicho, Hirohata–ku, Himeji City, Hyogo 671–1188 (JP). **SHINDO, Hidetoshi** [JP/JP]; Nippon Steel Corporation Hirohata Works, 1, Fujicho, Hirohata–ku, Himeji City, Hyogo 671–1188 (JP). **HAYASHI, Kimitaka** [JP/JP]; Nippon Steel Corporation Hirohata Works, 1, Fujicho, Hirohata–ku, Himeji City, Hyogo 671–1188 (JP). **ITO, Daisuke** [JP/JP]; Nippon Steel Corporation Hirohata Works, 1, Fujicho, Hirohata–ku, Himeji City, Hyogo 671–1188 (JP).

(74) **NIIBE, Koji** et al. / etc.; Room 424, Marunouchi–Yaesu Building, 6–2, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–0005 (JP).

(81) AU BR CA CN ID KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C23C 24/08**

(11) **WO 99/54524** (13) A1

(21) PCT/EP98/02254

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) de (26) de

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING AN OPENLY POROUS SINTERED METAL FILM
• PROCEDE DE REALISATION D'UNE COUCHE METALLIQUE FRITTEE A POROSITE OUVERTE

(71) **GKN SINTER METALS FILTERS GMBH, RADEVORMWALD** [DE/DE]; Dahlienstrasse 43, D–42477 Radevormwald (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NEUMANN, Peter** [DE/DE]; Marathonstrasse 7, D–42857 Remscheid (DE). **KUHSTOSS, Andreas** [DE/DE]; Nüdelshalbach 92, D–42855 Remscheid (DE).

(74) **MAXTON, Alfred** et al. / etc.; Goltsteinstrasse 93, D–50968 Köln (DE).

(81) DE JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C23C 28/02, H05K 3/02, 3/10**

(11) **WO 99/54525** (13) A2

(21) PCT/DE99/01159

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 388.1 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING METALLIZED SUBSTRATE MATERIALS
• PROCEDE DE FABRICATION POUR MATERIAUX SUBSTRATS METALLISES

(71) **ATOTECH DEUTSCHLAND GMBH** [DE/DE]; Erasmusstrasse 20, D–10553 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MEYER, Heinrich** [DE/DE]; Bismarckstrasse 8B, D–14109 Berlin (DE). **SCHULZ, Ralf** [DE/DE]; Erdmannstrasse 45, D–16540 Hohen Neuendorf (DE). **HEINZ, Roland** [DE/DE]; Schöne Aussicht 3, D–37154 Northeim (DE). **KLUSMANN, Eckart** [DE/DE]; Poststrasse 93, D–53840 Troisdorf (DE).

(74) **EFFERT, BRESSEL UND KOLLEGEN**; Radickestrasse 48, D–12489 Berlin (DE).

(81) KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C25C 3/06, 3/20**

(11) **WO 99/54526** (13) A1

(21) PCT/FR99/00802

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) fr (26) fr

(30) 98/05040 **16 Apr/avr 1998** FR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FUSED BATH ELECTROLYSIS CELL FOR PRODUCING ALUMINIUM BY HALL–HEROULT PROCESS COMPRISING COOLING MEANS
• CUVE D'ELECTROLYSE IGNEE POUR LA PRODUCTION D'ALUMINIUM PAR LE PROCEDE HALL–HEROULT COMPRENANT DES MOYENS DE REFROIDISSEMENT

(71) **ALUMINIUM PECHINEY** [FR/FR]; Tour Pascal "A", 6, place des Degrés, F–92800 Puteaux (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOS, Jérôme** [FR/FR]; Aluminium Pechiney, Aluval–Boîte postale 7, F–38340 Voreppe (FR). **FEVE, Benoît** [FR/FR]; L'Echaillon, F–73300 Hermillon (FR). **HOMSI, Pierre** [FR/FR]; Pré Coppet, Princens, F–73300 St.–Jean–de–Maurienne (FR).

(74) **MARSOLAIS, Richard**; Pechiney, 28, rue de Bonnel, F–69433 Lyon Cedex 03 (FR).

(81) AU BR CA IN IS NO NZ RO RU SI SK US VN ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C25D 17/00**

(11) **WO 99/54527** (13) A2

(21) PCT/US99/08782

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,521 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRO–CHEMICAL DEPOSITION SYSTEM AND METHOD OF ELECTROPLATING ON SUBSTRATES
• SYSTEME DE DEPOT ELECTROCHIMIQUE ET PROCEDE DE GALVANOPLASTIE SUR SUBSTRATS

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **LANDAU, Uziel**; 13909 Larchmere Boulevard, Shaker Heights, OH 44120 (US).

(74) **TACKETT, Keith, M.**; Patterson & Associates, Suite 1500, 3040 Post Oak Boulevard, Houston, TX 77056 (US).

(81) JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **C25F 5/00**

(11) **WO 99/54528** (13) A1

(21) PCT/CH98/00152

(22) **21 Apr/avr 1998 (21.04.1998)**

(25) de (26) de

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR REMOVING A HARD MATERIAL LAYER DEPOSITED ON A HARD METAL WORK PIECE, AND A FIXING DEVICE FOR AT LEAST ONE WORK PIECE
• PROCEDE POUR ELIMINER UNE COUCHE DE SUBSTANCE DURE APPLIQUEE SUR UNE PIECE EN METAL DUR ET ELEMENT DE RETENUE POUR AU MOINS UNE PIECE

(71) **BALZERS AKTIENGESELLSCHAFT** [LI/LI]; FL–9496 Balzers (LI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HANS, Michael** [AT/AT]; Rungelin 28 a, A–6700 Bludenz (AT).

(74) **TROESCH SCHEIDEGGER WERNER AG**; Siewerdtstrasse 95, CH–8050 Zürich (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **C32B 19/00, C08G 63/66**

(11) **WO 99/54529** (13) A1

(21) PCT/US99/07010

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,858 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYESTER FILM AND METHODS FOR MAKING SAME
• FILM DE POLYESTER ET SES PROCEDES DE FABRICATION

(71) **HNA HOLDINGS, INC.** [US/US]; 30 Independence Boulevard, Warren, NJ 07059 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KHANARIAN, Garo** [US/US]; 141 Cornell Avenue, Berkeley Heights, NJ 07922 (US). **CHARBONNEAU, Larry, F.** [US/US]; 64 Mountainside Road, Mendham, NJ 07945 (US). **KITCHENS, Carol** [US/US]; 13 Tillman Court, Bridgewater, NJ 08807 (US). **SHEN, Sunny, S.** [US/US]; 19 Cambridge Road, Holmdel, NJ 07733 (US).

(74) **DUFFETT, Benton, S., Jr.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D01F 1/07, 1/10, B32B 5/26, 27/02, D04H 1/56, 3/16**

(11) **WO 99/54530** (13) A1

(21) PCT/US99/08580

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,367 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NONWOVEN FABRIC HAVING BOTH UV STABILITY AND FLAME RETARDANCY AND RELATED METHOD FOR ITS MANUFACTURE
• NON TISSE PRESENTANT UNE STABILITE AUX UV ET UNE ININFLAMMABILITE ET SON PROCEDE DE FABRICATION

(71) **BBA NONWOVENS SIMPSONVILLE, INC.** [US/US]; 840 Southeast Main Street, Simpsonville, SC 29681 (US).

(72) **SRINIVASAN, Ramesh**; 5460 Yonge Street #1208, North York, Ontario M2N 6K7 (CA).

(74) **ONOFRIO, Dara, L.**; Ostrager, Chong, Flaherty, & Onofrio, 300 Park Avenue, New York, NY 10022–7402 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D01H 5/76**

(11) **WO 99/54531** (13) A1

(21) PCT/EP99/02123

(22) **27 Mar/mar 1999 (27.03.1999)**

(25) de (26) de

(30) 198 17 741.0 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROLLER–BORNE PRESSURE ROLLER FOR TEXTILE MACHINES, ESPECIALLY TEXTURING MACHINES
• GALET–PRESSEUR TOURNANT SUR ROULEMENT POUR MACHINES TEXTILES, EN PARTICULIER POUR MACHINES A TEXTURER

(71) **SKF TEXTILMASCHINEN–KOMPONENTEN GMBH** [DE/DE]; Löwentorstrasse 68, D–70376 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEITMANN, Uwe** [DE/DE]; Unterdorfstrasse 22, D–73037 Göppingen (DE).

(74) **MÖBUS, Rudolf** et al. / etc.; Hindenburgstrasse 65, D–72762 Reutlingen (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **D01H 13/26, B65H 63/06**

(11) **WO 99/54532** (13) A1

(21) PCT/EP99/00444

(22) **23 Jan/jan 1999 (23.01.1999)**

(25) de (26) de

(30) 198 18 069.1 **22 Apr/avr 1998** DE **(22.04.1998)**

(30) 198 58 495.4 **18 Dec/déc 1998** DE **(18.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR DETERMINING THE OPTICAL FEATURES OF THREADS
• PROCEDE ET DISPOSITIF POUR LA DETERMINATION DE CARACTERISTIQUES OPTIQUES DE FILS

(71) **MASCHINENFABRIK RIETER AG** [CH/CH]; Klosterseestrasse 20, CH–8406 Winterthur (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KURATLE, Christoph** [CH/CH]; Bodenwis 17, CH–8493 Saland (CH).

(74) **BERGMEIER, Werner**; Canzler & Bergmeier, Friedrich–Ebert–Strasse 84, D–85055 Ingolstadt (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D02G 3/00, C08G 63/66**

(11) **WO 99/54533** (13) A1

(21) PCT/US99/07011

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/086,064 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYESTER CONTAINER AND METHOD FOR MAKING SAME
• RECIPIENT EN POLYESTER ET SON PROCEDE DE FABRICATION

(71) **HNA HOLDINGS, INC.** [US/US]; 30 Independence Boulevard, Warren, NJ 07059 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHARBONNEAU, Larry, F.** [US/US]; 64 Mountainside Road, Mendham, NJ 07945 (US). **JOHNSON, Robert, E.** [US/US]; 808 Willow Avenue #2R, Hoboken, NJ 07030 (US).

(74) **DUFFETT, Benton, S., Jr.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **D02G 3/00**

(11) **WO 99/54534** (13) A1

(21) PCT/US99/07015

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,719 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYESTER FIBER AND METHODS FOR MAKING SAME
• FIBRE DE POLYESTER ET PROCEDES DE FABRICATION DE CETTE FIBRE

(71) **HNA HOLDINGS, INC.** [US/US]; 30 Independence Boulevard, Warren, NJ 07059 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHARBONNEAU, Larry, F.** [US/US]; 64 Mountainside Road, Mendham, NJ 07945 (US). **KHANARIAN, Garo** [US/US]; 141 Cornell Avenue, Berkeley Heights, NJ 07922 (US). **JOHNSON, Robert, E.** [US/US]; 808 Willow Avenue #2R, Hoboken, NJ 07030 (US). **WITTELER, Helmut, B.** [DE/DE]; Birkenstrasse 9, D–67259 Beindersheim (DE). **FLINT, John, A.** [US/US]; 150 Lenape Lane, Berkeley Heights, NJ 07922 (US).

(74) **DUFFETT, Benton, S., Jr.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D04C 1/02**

(11) **WO 99/54535** (13) A1

(21) PCT/GB99/00775

(22) **15 Mar/mar 1999 (15.03.1999)**

(25) en (26) en

(30) 9808287.8 **18 Apr/avr 1998** GB **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROTECTIVE SLEEVE
• GAINE DE PROTECTION

(71) **FEDERAL–MOGUL TECHNOLOGY LIMITED** [GB/GB]; Cawston House, Cawston Lane, Rugby, Warwickshire CV22 7SA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PINDAR, Carol, Jayne** [GB/GB]; 5 Langdon Close, Daventry, Northamptonshire NN11 5QS (GB). **PINDAR, David, Thornton** [GB/GB]; 5 Langdon Close, Daventry, Northamptonshire NN11 5QS (GB).

(74) **DRURY, Peter, Lawrence** et al. / etc.; T & N Limited, Manchester International Office Centre, Styal Road, Manchester M22 5TN (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D04H 1/00, B29B 7/90, B02C 18/06, D01G 1/04, C03B 37/005**

(11) **WO 99/54536** (13) A1

(21) PCT/GB99/01227

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808381.9 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TREATMENT OF FIBROUS MATERIAL
• TRAITEMENT DE MATIERES FIBREUSES

(71) **ASSET ASSOCIATES LIMITED** [GB/GB]; 18–20 Queen's Road, Aberdeen AB15 4ZT (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ERSKINE, William, Robertson, Cunningham** [GB/GB]; The Old Mill, Mill of Kincraigie, Coull, Nr. Aboyne, Aberdeen AB34 4TT (GB). **TAYLOR, Rodney** [GB/GB]; 117 Cheltenham Road, Evesham, Worcestershire WR11 6LF (GB).

(74) **KEITH W. NASH & CO.**; 90–92 Regent Street, Cambridge CB2 1DP (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D04H 1/72, B27N 3/14, D21H 27/00**

(11) **WO 99/54537** (13) A1

(21) PCT/DK99/00221

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) da (26) en

(30) 0555/98 **21 Apr/avr 1998** DK **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SIFTING NET FOR A FIBRE DISTRIBUTOR
• FILET DE TAMISAGE POUR DISTRIBUTEUR DE FIBRES

(71, 72) **SØRENSEN, Elmgaard, Birger** [DK/DK]; Viemosevej 3, DK–7120 Vejle Ø (DK).

(74) **HOLME PATENT A/S**; Vesterbrogade 20, DK–1620 Copenhagen V (DK).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D06C**

(11) **WO 99/54538** (13) A2

(21) PCT/DE99/00610

(22) **27 Feb/fév 1999 (27.02.1999)**

(25) de (26) de

(30) 198 08 804.3 **3 Mar/mar 1998** DE **(03.03.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MACHINE FOR TREATING THE SURFACE OF AT LEAST ONE TEXTILE WEB OF ENDLESS FABRIC, ESPECIALLY FOR NAPPING AND/OR EMERIZING OR THE LIKE
• MACHINE POUR LE TRAVAIL EN SURFACE D'AU MOINS UNE BANDE DE MATERIAU TEXTILE, EN PARTICULIER POUR LE LAINAGE ET/OU L'EMERISAGE OU OPERATION ANALOGUE

(71) **GEMATEX TEXTILVEREDLUNGSMASCHINEN GMBH** [DE/DE]; Wettinerstrasse 4, D–08280 Aue (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LAUCKNER, Joachim** [DE/DE]; Langenbeckstrasse 3, D–09116 Chemnitz (DE). **NEUMANN, Olaf** [DE/DE]; Hebbelstrasse 28, D–08280 Aue (DE). **GEORGI, Joachim** [DE/DE]; Waldweg 7, D–08315 Bernsbach (DE).

(81) BR CN JP KR MX RU TR UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **D06F 23/06, 39/12**

(11) **WO 99/54539** (13) A1

(21) PCT/EP99/00458

(22) **25 Jan/jan 1999 (25.01.1999)**

(25) en (26) en

(30) PN98U000027 **20 Apr/avr 1998** IT **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HOUSEHOLD WASHING MACHINE
• LAVE–LINGE A USAGE DOMESTIQUE

(71) **ELECTROLUX ZANUSSI S.P.A.** [IT/IT]; Via Giardini Cattaneo, 3, I–33170 Pordenone (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DURAZZANI, Piero** [IT/IT]; Via Lazio, 7, I–33080 Porcia (IT).

(74) **GIUGNI, Valter** et al. / etc.; Propria S.r.l., Via Mazzini, 13, I–33170 Pordenone (IT).

(81) JP SK US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **D06F 39/08, 23/06**

(11) **WO 99/54540** (13) A1

(21) PCT/GB99/00977

(22) **29 Mar/mar 1999 (29.03.1999)**

(25) en (26) en

(30) 9808606.9 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WASHING MACHINE
• MACHINE A LAVER

(71) **MONOTUB INDUSTRIES PLC** [GB/GB]; 32a High Street, Esher, Surrey KT10 9RT (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MYERSCOUGH, Martin** [GB/GB]; 69 Prospect Place, Wapping Wall, London E1 9TJ (GB).

(74) **HOWE, Steven**; Lloyd Wise, Tregear & CO., Commonwealth House, 1–19 New Oxford Street, London WC1A 1LW (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D06P 1/52**

(11) **WO 99/54541** (13) A1

(21) PCT/US99/08901

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,697 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/282,753 **31 Mar/mar 1999** US **(31.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND COMPOSITION FOR TEXTILE PRINTING
• PROCEDE ET COMPOSITION D'IMPRESSION SUR TEXTILE

(71) **SRI INTERNATIONAL** [US/US]; 333 Ravenswood Avenue, Menlo Park, CA 94025 (US).

(72) **NIGAM, Asutosh**; 4506 Amiens Avenue, Fremont, CA 94555 (US).

(74) **REED, Dianne, E.**; Reed & Associates, 3282 Alpine Road, Portola Valley, CA 94028 (US) et al. / etc.

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **D07B**

(11) **WO 99/54542** (13) A2

(21) PCT/CA99/00339

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 2,235,170 **17 Apr/avr 1998** CA **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS FOR HELICALLY ASSEMBLING AT LEAST TWO FILAMENTS
• APPAREIL PERMETTANT L'ASSEMBLAGE HELICOIDAL D'AU MOINS DEUX FILAMENTS

(71) **LEFEBVRE FRERES LIMITEE** [CA/CA]; 3900, boulevard Tricentenaire, Montréal, Québec H1B 5L6 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRAZEAU, Michel** [CA/CA]; 18, 394ème rue, Saint–Hippolyte, Québec JOR 1PO (CA).

(74) **SOFIA, Michel** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montréal, Québec H3A 2Y3 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D21B 1/32, D21F 1/70**

(11) **WO 99/54543** (13) A1

(21) PCT/US99/08307

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/062,266 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLOTATION MODULE FOR PRESSURIZED DEINKING
• MODULE DE FLOTTATION POUR DESENCRAGE SOUS PRESSION

(71) **BELOIT TECHNOLOGIES, INC.** [US/US]; Suite 3001, 3513 Concord Pike, Wilmington, DE 19803 (US).

(72) **HEBERT, Richard, P.**; 98 Brodie Mountain Road, Lanesboro, MA 01237 (US). **McKENZIE, Michael**; 33 Profile Circle, Nashua, NH 03063 (US).

(74) **CAMPBELL, Raymond, W.**; Beloit Corporation, One St. Lawrence Avenue, Beloit, WI 53511 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **D21C 1/04, 3/00, 9/16, 5/00**

(11) **WO 99/54544** (13) A1

(21) PCT/CA99/00351

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,941 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF PRODUCING LIGNOCELLULOSIC PULP FROM NON–WOODY SPECIES
• PROCEDE DE PRODUCTION DE PATE LIGNOCELLULOSIQUE A PARTIR D'ESPECES NON LIGNEUSES

(71) **ALBERTA RESEARCH COUNCIL** [CA/CA]; 250 Karl Clark Road, Edmonton, Alberta T6H 5X2 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAN, George, X.** [CA/CA]; 101–315 Saddleback Road, Edmonton, Alberta T6J 4M5 (CA).

(74) **TEITELBAUM, Neil**; Neil Teitelbaum and Associates, 834 Colonel By Drive, Ottawa, Ontario K1S 5C4 (CA).

(81) AU BR CA NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **D21C 9/10, 5/00, D06P 5/13**

(11) **WO 99/54545** (13) A1

(21) PCT/CA99/00319

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 60/081,910 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OXIDASE PROCESS FOR PULP AND DYE OXIDATION
• PROCEDE AUX OXYDASES POUR OXYDATION DE PATE A PAPIER ET DE COLORANTS

(71) **PULP AND PAPER RESEARCH INSTITUTE OF CANADA** [CA/CA]; 570 Boulevard Saint–Jean, Pointe Claire, Québec H9R 3J9 (CA). **UNIVERSITE DE MONTREAL** [CA/CA]; 2900 Edouard–Montpetit, Montréal, Québec H3T 1J4 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOURBONNAIS, Robert** [CA/CA]; 935 Saint–Aubain, Ville Saint–Laurent, Québec H4M 2K2 (CA). **ROCHEFORT, Dominic** [CA/CA]; 8214 Lajeunesse, Montréal, Québec H2P 2E5 (CA). **PAICE, Michael, G.** [CA/CA]; 147 Millhaven, Pointe Claire, Québec H9R 3V9 (CA). **RENAUD, Sylvie** [CA/CA]; 945 Louise, Laval, Québec H7A 2M3 (CA). **LEECH, Dónal** [IE/IE]; 7 Ashgrove, Knoknacarra, Galway (IE).

(74) **MURPHY, Kevin, P.** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montreal, Québec H3A 2Y3 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D21F 3/02, B32B 3/28**

(11) **WO 99/54546** (13) A1

(21) PCT/US98/16239

(22) **4 Aug/août 1998 (04.08.1998)**

(25) en (26) en

(30) 09/064,568 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RESIN–IMPREGNATED BELT HAVING A TEXTURIZED OUTER SURFACE FOR APPLICATION ON PAPERMAKING MACHINES
• BANDE IMPREGNEE DE RESINE A SURFACE EXTERIEURE TEXTUREE POUR APPLICATION SUR MACHINES A PAPIER

(71) **ALBANY INTERNATIONAL CORP.** [US/US]; 1373 Broadway, Albany, NY 12204 (US).

(72) **DUTT, William, H.**; 9 Indian Pipe Drive, Wynantskill, NY 12198 (US).

(74) **SULLIVAN, Joseph, C.** et al. / etc.; Kane, Dalsimer, Sullivan, Kurucz, Levy, Eisele and Richard, LLP, 20th floor, 711 Third Avenue, New York, NY 10017 (US).

(81) AU BR CA CN ID JP KR MX NO NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **D21F 11/00, B31F 1/07**

(11) **WO 99/54547** (13) A1

(21) PCT/IB99/00631

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/061,611 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXTENSIBLE PAPER WEB AND METHOD OF FORMING
• BANDE DE PAPIER EXTENSIBLE ET SON PROCEDE DE FABRICATION

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) **CABELL, David, William**; 6646 Powner Farm Drive, Cincinnati, OH 45248 (US). **RICHARDS, Mark, Ryan**; 2912 Elmo Place, Middletown, OH 45042 (US).

(74) **REED, T. David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217–1087 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D21H 17/72, 23/04, 23/24 // 21:16, 17:05, 17:28**

(11) **WO 99/54548** (13) A1

(21) PCT/US99/08324

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/064,580 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PAPER SIZE DISPERSIONS
• DISPERSIONS DE COLLAGE DE PAPIER

(71) **HERCULES INCORPORATED** [US/US]; Hercules Plaza, 1313 North Market Street, Wilmington, DE 19894–0001 (US).

(72) **CONNER, Herbert**; 121 Glennann Drive, Landenberg, PA 19350 (US). **LIN, Tingdong**; 12 Balmoral Court, Wilmington, DE 19808 (US). **TUIN, Gert**; Ratelaar 10, NL–7322 GP Apeldoorn (NL). **VON DE STEEG, Henrica, G., M.**; Bosweg 32, NL–6721 HN Bennekom (NL).

(74) **SLOAN, Martin, F.**; Hercules Incorporated, Hercules Plaza, 1313 North Market Street, Wilmington, DE 19894–0001 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **D21H 19/46**

(11) **WO 99/54549** (13) A1

(21) PCT/US99/05323

(22) **11 Mar/mar 1999 (11.03.1999)**

(25) en (26) en

(30) 09/065,266 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PAPER COATING LUBRICANT
• LUBRIFIANT DE COUCHAGE PAPIER

(71) **GENCORP, INC.** [US/US]; 175 Ghent Road, Fairlawn, OH 44333 (US).

(72) **FLOYD, William**; 1068 Quail Hollow Circle, Chester, SC 29706 (US). **HARPER, Doug**; 319 Shareditch Road, Columbia, SC 29210 (US). **THOMPSON, Nolan**; 2264 Hilldale Drive, Rock Hill, SC 29732 (US).

(74) **RYWALSKI, Robert, F.**; GenCorp, Inc., 175 Ghent Road, Fairlawn, OH 44333 (US) et al. / etc.

(81) BR CA JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **D21H 21/44**

(11) **WO 99/54550** (13) A1

(21) PCT/KR99/00088

(22) **26 Feb/fév 1999 (26.02.1999)**

(25) en (26) en

(30) 1998/13616 **16 Apr/avr 1998** KR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SECURITY PAPER HAVING EMBEDDED SECURITY FEATURE AND METHOD OF PREPARING SAME
• PAPIER DE SECURITE INTEGRANT UN DISPOSITIF DE SECURITE ET PROCEDE DE PREPARATION DUDIT PAPIER

(71) **KOREA SECURITY PRINTING AND MINTING CORPORATION** [KR/KR]; 35, Kajong–dong, Yusong–gu, Taejon 305–350 (KR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KANG, Jung, Ku** [KR/KR]; Samsung Apt., 8–906, Ohryu–dong, Jung–gu, Taejon 301–120 (KR). **KIM, Jong, Kyu** [KR/KR]; Kangbyun Apt., 109–1702, Mannyun–dong, Seo–gu, Taejon 302–150 (KR). **CHOI, Deok, Kyu** [KR/KR]; Doongji Apt., 110–202, Doonsan–dong, Seo–gu, Taejon 302–173 (KR). **PARK, Yong, Hwan** [KR/KR]; Green Town Apt., 106–405, Beob–dong, Taeduk–gu, Taejon 306–060 (KR).

(74) **JANG, Seong, Ku** et al. / etc.; KEC Building, 17th floor, 275–7, Yangjae–dong, Seocho–ku, Seoul 137–130 (KR).

(81) CN RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **D21H 21/54 // 21:10**

(11) **WO 99/54551** (13) A1

(21) PCT/SE99/00574

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 98850061.7 **23 Apr/avr 1998** EP **(23.04.1998)**

(30) 60/082,784 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A PROCESS FOR THE PRODUCTION OF PAPER
• PROCEDE DE PRODUCTION DE PAPIER

(71) **AKZO NOBEL N.V.** [NL/NL]; P.O. Box 9300, NL–6800 SB Arnhem (NL).
(for all designated States except / pour tous les États désignés sauf US)

(71) **EKA CHEMICALS AB** [SE/SE]; S–445 80 Bohus (SE).
(only for / seulement pour SE)

(72, 75) **SIKKAR, Rein** [SE/SE]; Vesslestigen 2, S–448 34 Floda (SE). **PERSSON, Michael** [SE/SE]; Fyrverkaregatan 5C, S–413 21 Göteborg (SE). **NORELL, Maria** [SE/SE]; Otterbäcksvägen 5A, S–436 51 Hovås (SE).

(74) **NYANDER, Johan**; Eka Chemicals AB, Patent Dept., P.O. Box 11556, S–100 61 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E01C 5/06**

(11) **WO 99/54552** (13) A1

(21) PCT/EP98/02389

(22) **22 Apr/avr 1998 (22.04.1998)**

(25) de (26) de

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONSTRUCTION KIT MADE OF CONCRETE PAVING STONES
• ENSEMBLE DE CONSTRUCTION CONSTITUE DE PAVES DE PIERRE EN BETON

(71, 72) **GEIGER, Peter** [DE/DE]; Regensburger Strasse 160, D–92318 Neumarkt (DE).

(74) **GÖBEL, Matthias**; Pruppacher Hauptstrasse 5–7, D–90602 Pyrbaum–Pruppach (DE).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E02D 9/02, 7/28**

(11) **WO 99/54553** (13) A1

(21) PCT/NL99/00227

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) nl (26) en

(30) 1008952 **21 Apr/avr 1998** NL **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE AND METHOD FOR INSERTING AN OBJECT INTO THE GROUND
• DISPOSITIF ET METHODE PERMETTANT D'INTRODUIRE UN OBJET DANS LE SOL

(71) **INTERNATIONAL CONSTRUCTION EQUIPMENT B.V.** [NL/NL]; Hefbrugweg 6, NL–1332 AN Almere (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KENKHUIS, Johannes, Bernardus** [NL/NL]; Hefbrugweg 6, NL–1332 AN Almere (NL).

(74) **LOUËT, Feisser, Arnold** et al. / etc.; Arnold & Siedsma, Sweelinckplein 1, NL–2517 GK Den Haag (NL).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E02F**

(11) **WO 99/54554** (13) A2

(21) PCT/US99/06536

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,184 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EARTH–BASED VEHICLE
• VEHICULE TERRESTRE

(71) **TRACT–A–PILLAR TRACTOR CO., INC.** [US/US]; R.D. 1 Box 331–D, Woodland, PA 16881 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LANSBERRY, John, B.** [US/US]; R.D. 1 Box 331–D, Woodland, PA 16881 (US).

(74) **LIPPITT, Raymond, F.** et al. / etc.; Pillsbury Madison & Sutro LLP, 1100 New York Avenue, N.W., Washington, DC 20005 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E02F 3/96**

(11) **WO 99/54555** (13) A1

(21) PCT/US99/08706

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,765 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 60/101,808 **25 Sep/sep 1998** US **(25.09.1998)**

(30) 09/290,494 **12 Apr/avr 1999** US **(12.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXCAVATION ASSEMBLY, APPARATUS AND METHOD OF OPERATING THE SAME
• ENSEMBLE EXCAVATEUR, PROCEDE ET DISPOSITIF DE FONCTIONNEMENT ASSOCIES

(71) **BOLTON CORPORATION** [US/US]; Suite 200, 6767 West Greenfield Avenue, West Allis, WI 53214 (US).

(72) **BOLTON, D., Edward**; 2360 North Terrace Avenue, Milwaukee, WI 53211 (US).

(74) **LAWSON, Edward, R., Jr.**; Michael Best & Friedrich LLP, 100 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

(81) AU CA JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E02F 5/10**

(11) **WO 99/54556** (13) A1

(21) PCT/GB99/01083

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 9808370.2 **21 Apr/avr 1998** GB **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBMARINE TRENCHING VEHICLE AND METHOD
• PROCEDE ET ENGIN DE FORMATION DE TRANCHEES SOUS–MARINES

(71) **SOIL MACHINE DYNAMICS LIMITED** [GB/GB]; Wincomblee Road, Newcastle upon Tyne NE6 3QS (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REECE, Alan, Richard** [GB/GB]; Woodside, The Crescent, Wylam, Northumberland NE41 8HU (GB).

(74) **VINSOME, Rex, Martin**; Urquhart–Dykes & Lord, St. Nicholas Chambers, Amen Corner, Newcastle upon Tyne NE1 1PE (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E02F 9/22**

(11) **WO 99/54557** (13) A1

(21) PCT/US99/07739

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/065,273 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHOD FOR CONTROLLING A VARIABLE DISPLACEMENT PUMP
• APPAREIL ET PROCEDE DE REGLAGE D'UNE POMPE A CYLINDREE VARIABLE

(71) **CATERPILLAR INC.** [US/US]; 100 N.E. Adams Sreet, Peoria, IL 61629–6490 (US).

(72) **CREGER, Todd, D.**; 705 Bayside Circle, Metamora, IL 61548 (US). **DIETZ, Hans, P.**; 516 Staunton Road, Naperville, IL 61565 (US).

(74) **MASTERSON, David, M.** et al. / etc.; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E02F 9/26, 9/24**

(11) **WO 99/54558** (13) A1

(21) PCT/JP99/02059

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/108095 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISPLAY CONTROLLER OF CONSTRUCTION MACHINE
• CONTROLEUR D'AFFICHAGE DE MACHINE DE CONSTRUCTION

(71) **HITACHI CONSTRUCTION MACHINERY CO., LTD.** [JP/JP]; 6–2, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OGURA, Hiroshi** [JP/JP]; Gurandoru U–II 205, 3–7–14, Hiradai, Ryugasaki–shi, Ibaraki 301–0003 (JP). **WATANABE, Hiroshi** [JP/JP]; 1082–66, Taguu–cho, Ushiku–shi, Ibaraki 300–1236 (JP).

(74) **TAKE, Kenjiro** et al. / etc.; Kashiwaya Building, 6–13, Nishishinbashi 1–chome, Minato–ku, Tokyo 105–0003 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E03C 1/122**

(11) **WO 99/54559** (13) A1

(21) PCT/SG99/00033

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9800770–1 **21 Apr/avr 1998** SG **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A SYSTEM FOR REUSING WASTE WATER
• SYSTEME DE REUTILISATION DES EAUX USEES

(71, 72) **LEE, Kok, Wing** [SG/SG]; 557 Upper Thomson Road #04–11, Singapore 574418 (SG).

(74) **MCCALLUM, Graeme, David**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **E03C 1/28, E03F 5/04**

(11) **WO 99/54560** (13) A1

(21) PCT/SG99/00032

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9800770–1 **21 Apr/avr 1998** SG **(21.04.1998)**

(30) 9803180–0 **21 Aug/août 1998** SG **(21.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A DRAINAGE DEVICE
• DISPOSITIF D'EVACUATION

(71, 72) **LEE, Kok, Wing** [SG/SG]; 557 Upper Thomson Road, #04–11, Singapore 574418 (SG).

(74) **MCCALLUM, Graeme, David**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **E03D 1/012**

(11) **WO 99/54561** (13) A1

(21) PCT/CH99/00045

(22) **2 Feb/fév 1999 (02.02.1999)**

(25) de (26) de

(30) 892/98 **20 Apr/avr 1998** CH **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLUSHING BOX
• RESERVOIR DE CHASSE

(71) **GEBERIT TECHNIK AG** [CH/CH]; Schachenstrasse 77, CH–8645 Jona (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROB, Stefan** [CH/CH]; Felsenburgstrasse 7, CH–8730 Uznach (CH). **SCHMUCKI, Peter** [CH/CH]; Büel 12, CH–8733 Eschenbach (CH).

(74) **GRONER, Manfred**; Isler & Pedrazzini AG, Postfach 6940, CH–8023 Zürich (CH).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E03D 1/33, F16K 31/28**

(11) **WO 99/54562** (13) A1

(21) PCT/AU99/00293

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) PP 3037 **20 Apr/avr 1998** AU **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INLET VALVE
• VALVE D'ADMISSION

(71) **SENSEI TRADING PROPRIETARY LIMITED** [AU/AU]; 7 Fury Court, Clayton South, VIC 3169 (AU). **ORBELL, Muriel, Ann** [GB/AU]; 2B Myrtle Road, Hampton, VIC 3188 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ORBELL, Joseph, Robin** [GB/AU]; 2B Myrtle Road, Hampton, VIC 3188 (AU). **SMITH, John, William** [AU/AU]; 23 Alden Court, Cheltenham, VIC 3192 (AU).

(74) **GRIFFITH HACK**; 509 St. Kilda Road, Melbourne, VIC 3004 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E03D 1/34, 1/14**

(11) **WO 99/54563** (13) A1

(21) PCT/GB99/01053

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) en (26) en

(30) 9808263.9 **21 Apr/avr 1998** GB **(21.04.1998)**

(30) 9827101.8 **10 Dec/déc 1998** GB **(10.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CISTERN OUTLET VALVE
• VANNE DE REFOULEMENT DE CITERNE

(71) **BLACKBOROW, John** [GB/GB]; 4A Mill Street, Usk, Monmouthshire NP5 1AN (GB).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **FROST, Douglas, Robert, David** [GB/GB]; 19 Truro Place, Hawks Green, Heath Hayes, Cannock, Staffs. WS12 5YJ (GB).

(74) **MOORE, John, Hamilton**; J. H. Moore & Co., 8 Gaiafields Road, Lichfield, Staffs. WS13 7LT (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E03F 5/14**

(11) **WO 99/54564** (13) A1

(21) PCT/AU99/00295

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) PP 3050 **20 Apr/avr 1998** AU **(20.04.1998)**

(30) PP 6156 **25 Sep/sep 1998** AU **(25.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RAPID STORM WATER FILTRATION
• FILTRAGE RAPIDE DES EAUX D'ORAGE

(71) **ECOSOL PTY. LTD.** [AU/AU]; 1 River Street, Hindmarsh, S.A. 5007 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROY, Scott, Wade** [AU/AU]; 1 River Street, Hindmarsh, S.A. 5007 (AU).

(74) **MADDERNS**; 1st floor, 64 Hindmarsh Square, Adelaide, S.A. 5000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E03F 5/22**

(11) **WO 99/54565** (13) A1

(21) PCT/PL99/00012

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) P.326007 **22 Apr/avr 1998 (22.04.1998)** PL

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD AND A DEVICE FOR AUTOMATIC CIRCULATION IN WASTE WATER TANK
• PROCEDE ET DISPOSITIF POUR CREER UNE CIRCULATION AUTOMATIQUE DANS UN BASSIN D'EAUX USEES

(71, 72) **SZUSTER, Mirosław** [PL/PL]; Naramice 30, PL–98–350 Biała (PL).

(74) **SZUSTER, Halina**; ul. Malopolska 28 m 3, PL–40–737 Katowice (PL).

(81) AE AU BA BG BR CA CN CZ EE GE HR HU IL IN JP KP KR LK LT LV MG MK MN MX NO NZ RO SI SK TR UA UG US UZ VN YU ZA; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E04B 1/342, E04C 3/40**

(11) **WO 99/54566** (13) A1

(21) PCT/GB99/01187

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9808266.2 **21 Apr/avr 1998 (21.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PORTAL FRAME CONSTRUCTION
• STRUCTURE EN PORTIQUE

(71) **METSEC PLC** [GB/GB]; Broadwell Road, Oldbury, West Midlands B69 4HE (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BURNS, Roy, John** [GB/GB]; 71 Hayfield Hill, Cannock Wood, Rugeley, Staffordshire WS15 4RS (GB).

(74) **CARPENTER, David** et al. / etc.; Marks & Clerk, Alpha Tower, Suffolk Street Queensway, Birmingham B1 1TT (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E04B 5/10, 5/43, 9/18**

(11) **WO 99/54567** (13) A1

(21) PCT/SE99/00403

(22) **16 Mar/mar 1999 (16.03.1999)**

(25) sv (26) en

(30) 9801437–6 **23 Apr/avr 1998 (23.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A FLOOR COMPONENT
• ELEMENT DE PLANCHER

(71, 72) **DANIELSSON, Erik** [SE/SE]; Roslagsgatan 19, S–113 55 Stockholm (SE).

(74) **SUNDSTRÖM, Per** et al. / etc.; Stenhagen Patentbyra AB, P.O. Box 4630, S–116 91 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E04C 5/16, E04H 9/02**

(11) **WO 99/54568** (13) A1

(21) PCT/GB99/01040

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 9808291.0 **18 Apr/avr 1998 (18.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FAIL–SAFE DEVICE
• DISPOSITIF A SECURITE INTEGREE

(71) **DEE ASSOCIATES (BUSINESS CONSULTANTS) LTD.** [GB/GB]; 23 Oakfield Avenue, Upton Heath, Chester CH2 1LQ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HANCOCK, Michael** [GB/GB]; 23 Oakfield Avenue, Upton Heath, Chester CH2 1LQ (GB).

(74) **NEILL, Alastair, William** et al. / etc.; Appleyard Lees, 15 Clare Road, Halifax, West Yorkshire HX1 2HY (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E04D 3/36**

(11) **WO 99/54569** (13) A1

(21) PCT/IB99/00767

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808563.2 **22 Apr/avr 1998 (22.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A SUPPORT SYSTEM
• DISPOSITIF DE SUPPORT

(71) **WARD BUILDING COMPONENTS LIMITED** [GB/GB]; Sherburn, Malton, North Yorkshire YO17 8PQ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STEVENS, Mark, Victor** [GB/GB]; 52 Greenlands Road, Pickering, North Yorkshire YO18 8BQ (GB).

(74) **O'BRIEN, John, A.** et al. / etc.; John A. O'Brien & Associates, Duncairn House, 3rd floor, 14 Carysfort Avenue, Blackrock, County Dublin (IE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E04F 13/14, 13/08**

(11) **WO 99/54570** (13) A1

(21) PCT/JP98/01792

(22) **16 Apr/avr 1998 (16.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STONE PANEL CAPABLE OF ADJUSTING JOINTS
• PLAQUE EN PIERRE CAPABLE D'AJUSTER DES JOINTS

(71, 72) **FUJII, Yasutalou** [JP/JP]; 18–7, Sakaihigashi 4–chome, Niigata–shi, Niigata 950–2063 (JP).

(81) CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E04F 15/18**

(11) **WO 99/54571** (13) A1

(21) PCT/EP99/02549

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 298 07 258.0 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUPPORT AND/OR DRAINAGE PLATES MADE OF A FOIL–LIKE PLASTIC MATERIAL FOR A PLATE–LINED FLOOR STRUCTURE OR WALL
• PLAQUE DE SUPPORT ET/OU DE DRAINAGE DE TYPE FEUILLE DE PLASTIQUE DESTINEE A UNE STRUCTURE SOL OU A UN MUR RECOUVERTS DE PLAQUES

(71) **SCHLÜTER–SYSTEMS GMBH** [DE/DE]; Schmölestrasse 7, D–58640 Iserlohn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHLÜTER, Werner** [DE/DE]; Am Schierloh 6, D–58644 Iserlohn (DE).

(74) **SCHRÖTER, Martin** et al. / etc.; Schröter & Haverkamp, Im Tückwinkel 22, D–58636 Iserlohn (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E04F 17/02, F23J 11/00**

(11) **WO 99/54572** (13) A1

(21) PCT/RU98/00280

(22) **3 Sep/sep 1998 (03.09.1998)**

(25) ru (26) ru

(30) 98107529 **21 Apr/avr 1998** RU **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOBILE SYSTEM FOR REDUCING THE EXHAUST–GAS POLLUTION RATE IN THE STAGNANT REGIONS OF THE GROUND ATMOSPHERIC LAYER
• DISPOSITIF MOBILE PERMETTANT D'ABAISSER LE TAUX DE POLLUTION PAR LES GAZ D'ECHAPPEMENT DANS LES ZONES STAGNANTES DE LA COUCHE ATMOSPHERIQUE PROCHE DU SOL

(71, 72) **ISHKOV, Jury Grigorievich** [RU/RU]; ul. Malaya Gruzinskaya, 41–122, Moscow, 123557 (RU).

(74) **CHAIKOFF, Vladimir Solomonovich**; Slmonovsky val, 26–2–30, Moscow, 109088 (RU).

(81) BR CN DE GB JP US.

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(51)[6] **E04G 21/32**

(11) **WO 99/54573** (13) A1

(21) PCT/BE99/00051

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fr (26) fr

(30) 98870090.2 **21 Apr/avr 1998** EP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROTECTIVE DEVICE IN THE FORM OF A BARRIER
• DISPOSITIF DE PROTECTION SOUS FORME D'UNE BARRIERE

(71) **GANTRY S.A.** [BE/BE]; 19, rue du Commerce, B–1400 Nivelles (BE).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **COUVREUR, Thierry** [BE/BE]; 19, avenue Brassine, Bte 7, B–1420 Braine l'Alleud (BE). **LEMAIRE, Guy** [BE/BE]; 88, chaussée d'Ophain, B–1440 Wauthier Braine (BE).

(74) **VAN MALDEREN, Joëlle** et al. / etc.; Office Van Malderen, 6/1, place Reine Fabiola, B–1083 Bruxelles (BE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E05B 9/10, 27/00, 17/04, 15/08**

(11) **WO 99/54574** (13) A1

(21) PCT/CH99/00145

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 886/98 **17 Apr/avr 1998** CH **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BUILT–IN SAFETY DEVICE AND KEY FOR A SAFETY LOCK
• SYSTEME DE SECURITE A ENCASTRER ET CLEF POUR SERRURE DE SECURITE

(71, 72) **KELLER, Ernst** [CH/CH]; Untere Schwandenstrasse 22, CH–8805 Richterswil (CH).

(74) **ISLER & PEDRAZZINI AG**; Postfach 6940, CH–8023 Zürich (CH).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(a)*

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(51)[6] **E05B 45/00**

(11) **WO 99/54575** (13) A2

(21) PCT/ZA99/00019

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 98/3407 **22 Apr/avr 1998** ZA **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SECURITY DEVICES
• DISPOSITIFS DE SECURITE

(71) **BACON, Brian** [ZA/ZA]; 2nd floor, Mariendahl House, Norwich on Main, Main Road, Newlands 7700 (ZA).

(74) **BACON, Brian**; Brian Bacon & Associates, 2nd floor, Mariendahl House, Norwich on Main, Main Road, Newlands 7700 (ZA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **E05B 49/00, 47/00**

(11) **WO 99/54576** (13) A1

(21) PCT/FR99/00912

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) fr (26) fr

(30) 98/05208 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MONOBLOC DEVICE FOR CONTROLLING ACCESS BY TRANSPONDER FOR A MOBILE PANEL
• DISPOSITIF MONOBLOC DE CONTROLE D'ACCES PAR TRANSPONDEUR, POUR UN PANNEAU MOBILE

(71) **ARCHISON** [FR/FR]; 5 bis, rue des Sports, F–69003 Lyon (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GIROUD, Thierry** [FR/FR]; 819, route de Jailleux, F–01120 Montluel (FR). **ZARAGOZA, Jean** [FR/FR]; 3, rue Rivet, F–69001 Lyon (FR).

(74) **THIBAULT, Jean–Marc**; Cabinet Beau de Loménie, 51, avenue Jean Jaurès, Boîte postale 7073, F–69301 Lyon (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E05B 65/02, 35/00, 33/00, E05C 3/16**

(11) **WO 99/54577** (13) A1

(21) PCT/DE99/01060

(22) **3 Apr/avr 1999 (03.04.1999)**

(25) de (26) de

(30) 198 16 959.0 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CASEMENT CLOSURE DEVICE
• DISPOSITIF DE BLOCAGE DE TOURNIQUET

(71) **EMKA BESCHLAGTEILE GMBH & CO. KG** [DE/DE]; Langenberger Strasse 32, D–42551 Velbert (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SAUERLAND, Manfred** [DE/DE]; Pützstrasse 4, D–45144 Essen (DE). **HOFFMANN, Rainer** [DE/DE]; Pestalozzistrasse 37, D–40764 Langenfeld (DE).

(74) **MÜLLER, Karl–Ernst** et al. / etc.; Turmstrasse 22, D–40878 Ratingen (DE).

(81) CZ JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E05B 73/00**

(11) **WO 99/54578** (13) A1

(21) PCT/US99/08480

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,418 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LOCKING APPARATUS FOR LOCKING A FIFTH WHEEL KING PIN
• DISPOSITIF SERVANT A VERROUILLER UN PIVOT D'ATTELAGE

(71, 72) **MOORE, Donald, F.** [US/US]; 4825 Sturbridge Lane, Memphis, TN 38141 (US).

(74) **BERKENSTOCK, H., Roy** et al. / etc.; Garvey, Smith, Nehrbass & Doody, L.L.C., Three Lakeway Center, Suite 3290, 3838 North Causeway Boulevard, Metairie, LA 70002 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E05C 1/10**

(11) **WO 99/54579** (13) A1

(21) PCT/US99/08115

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/063,130 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SLIDE LATCH
• VERROU COULISSANT

(71) **SOUTHCO, INC.** [US/US]; 210 North Brinton Lake Road, Concordville, PA 19331 (US).

(72) **TIEU, Loc, B.**; 318 Biddle Drive, Exton, PA 19341 (US).

(74) **McCONNON, James, C.** et al. / etc.; Paul and Paul, 2900 Two Thousand Market Street, Philadelphia, PA 19103 (US).

(81) AT AU BR CA CH CN CZ DE DK ES FI GB HU ID IL JP KR LU MX NO NZ PL PT RU SE SG SI TR UA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E05C 9/06, E05B 53/00, E05C 9/18**

(11) **WO 99/54580** (13) A2

(21) PCT/EP99/02520

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 108.0 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CLOSING DEVICE FOR CASEMENT WINDOWS AND LEAVED DOORS
• DISPOSITIF DE FERMETURE POUR FENETRES ET PORTES A BATTANTS

(71) **MOLITOR ELEKTROTECHNIK GMBH** [DE/DE]; Paul–Ehrlich–Strasse 48, D–42549 Velbert (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MOLITOR, Werner** [DE/DE]; Paul–Ehrlich–Strasse 48, D–42549 Velbert (DE).

(74) **COHAUSZ, Helge, B.**; Cohausz Hannig Dawidowicz & Partner, Schumannstrasse 97–99, D–40237 Düsseldorf (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E05D 11/08**

(11) **WO 99/54581** (13) A1

(21) PCT/DE99/00253

(22) **28 Jan/jan 1999 (28.01.1999)**

(25) de (26) de

(30) 198 17 739.9 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOTOR VEHICLE DOOR BRAKE WHICH HAS AN OPENING END STOP AND WHICH IS INTEGRATED IN A HINGE
• FREIN POUR PORTIERE DE VOITURE, INTEGRE DANS UNE CHARNIERE, AVEC BUTEE DE FIN DE COURSE D'OUVERTURE

(71) **ED. SCHARWÄCHTER GMBH** [DE/DE]; Hohenhagenerstrasse 26–28, D–42855 Remscheid (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORAWETZ, Richard** [DE/DE]; Gewerbeschulstrasse 58, D–42289 Wuppertal (DE).

(74) **BONNEKAMP, Horst**; Bankstrasse 1, D–40478 Düsseldorf (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E05D 11/08**

(11) **WO 99/54582** (13) A1

(21) PCT/DE99/00256

(22) **28 Jan/jan 1999 (28.01.1999)**

(25) de (26) de

(30) 198 17 699.6 **22 Apr/avr 1998 (22.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOTOR VEHICLE DOOR HINGE HAVING AN INTEGRATED BRAKING AND HOLDING FUNCTION
• CHARNIERE DE PORTIERE DE VOITURE A FONCTION DE FREINAGE ET D'ARRET INTEGREE

(71) **ED. SCHARWÄCHTER GMBH** [DE/DE]; Hohenhagenerstrasse 26–28, D–42855 Remscheid (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORAWETZ, Richard** [DE/DE]; Gewerbeschulstrasse 58, D–42289 Wuppertal (DE).

(74) **BONNEKAMP, Horst**; Bankstrasse 1, D–40478 Düsseldorf (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E05F**

(11) **WO 99/54583** (13) A2

(21) PCT/KR99/00194

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 1998/14575 **23 Apr/avr 1998 (23.04.1998)** KR

(30) 1998/55489 **16 Dec/déc 1998 (16.12.1998)** KR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HINGE TYPE AUTOMATIC DOOR CLOSER
• FERME–PORTE AUTOMATIQUE DU TYPE A ARTICULATION

(71, 72) **SHIN, Dong–Seung** [KR/KR]; 3, Lucky Yonlip, 388–11, Doryong–dong, Yuseong–gu, Daejeon 305–340 (KR).

(74) **PARK, Sa–Ryong**; 301, Chongho Building, 823–5, Yoksam 1–dong, Kangnam–ku, Seoul 135–081 (KR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E06B 9/326**

(11) **WO 99/54584** (13) A1

(21) PCT/GB99/01162

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808091.4 **17 Apr/avr 1998 (17.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CORD GUIDE FOR A BLIND
• COULISSE DE CORDON DE STORE

(71) **ECLIPSE BLIND SYSTEMS LIMITED** [GB/GB]; Inchinnan Business Park, Renfrew PA4 9RE (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WOOTTON, Malcolm** [GB/GB]; Borrowgrove, Torr Road, Quarrier's Village, Bridge of Weir, Renfrewshire PA11 3SD (GB).

(74) **SANDERSON, Nigel, Paul**; Dibb Lupton Alsop, Fountain Precinct, Balm Green, Sheffield S1 1RZ (GB).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E06B 9/56**

(11) **WO 99/54585** (13) A1

(21) PCT/DK99/00206

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 0536/98 **17 Apr/avr 1998 (17.04.1998)** DK

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A BRAKING DEVICE AND A WINDOW SCREENING ARRANGEMENT COMPRISING SUCH A BRAKING DEVICE
• DISPOSITIF DE FREINAGE ET AGENCEMENT DE STORE DE FENETRE COMPORTANT LEDIT DISPOSITIF DE FREINAGE

(71) **VELUX INDUSTRI A/S** [DK/DK]; Tobaksvejen 10, DK–2860 Søborg (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOLD, Ove** [DK/DK]; Skolevænget 22, Borris, DK–6900 Skjern (DK).

(74) **CARLSSON, Eva** et al. / etc.; Internationalt Patent–Bureau, Høje Taastrup Boulevard 23, DK–2630 Taastrup (DK).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E21B 10/32, E02D 5/44**

(11) **WO 99/54586** (13) A1

(21) PCT/US99/08190

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/062,493 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR ROTARY MINING
• PROCEDE ET APPAREIL D'EXPLOITATION MINIERE ROTATIF

(71) **G & G GAS, INC.** [US/US]; R.D. #2, Box 142, New Bethlehem, PA 16242 (US).

(72) **GOURLEY, Allen, James**; R.D. #2, Box 141, New Bethlehem, PA 16242 (US). **GOURLEY, Larry, Parks**; R.D. #2, Box 147, New Bethlehem, PA 16242 (US).

(74) **PARKS, Jonathan, C.** et al. / etc.; Kirkpatrick & Lockhart LLP, 1500 Oliver Building, Pittsburgh, PA 15222 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E21B 19/08**

(11) **WO 99/54587** (13) A1

(21) PCT/IB99/00677

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 98/3246 **17 Apr/avr 1998** ZA **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GRIP VALVE CONTROL SYSTEM FOR A ROCK DRILL
• SYSTEME DE COMMANDE DE DISTRIBUTEUR A POIGNEE POUR TREPAN A ROCHES

(71) **ANGLO OPERATIONS LIMITED** [ZA/ZA]; 44 Main Street, Johannesburg 2001 (ZA).

(72) **HUNT, Clive, Wilfred**; 72 Jan K Marais Avenue, Malanshof, Randburg 2194 (ZA).

(74) **GILSON, David, Grant** et al. / etc.; Spoor and Fisher, P.O. Box 41312, Craighall 2024 (ZA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E21B 21/06, B01F 3/12, 5/10**

(11) **WO 99/54588** (13) A1

(21) PCT/US99/08737

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,113 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DRILLING FLUID MIXING APPARATUS AND METHODS
• DISPOSITIF DE MELANGE DE FLUIDE DE FORAGE ET PROCEDE CORRESPONDANT

(71) **BULK MIXER, INC.** [US/US]; 1420 One American Place, Baton Rouge, LA 70825 (US).

(72) **WHITLATCH, Blake**; 6067 Chateau Loire, Mandeville, LA 70448 (US). **SMITH, Larry, J.**; 3544 Lorraine Street, Baton Rouge, LA 70805 (US).

(74) **SIEBERTH, John, F.** et al. / etc.; Suite A–1, 2924 Brakley Drive, Baton Rouge, LA 70816 (US).

(81) CA GB NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E21B 34/12**

(11) **WO 99/54589** (13) A1

(21) PCT/US99/08412

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,383 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED SURFACE CONTROLLED SUBSURFACE SAFETY VALVE DOWNSTOP SEAL
• JOINT AMELIORE D'ARRET PAR ABAISSEMENT POUR VALVE DE SECURITE DE SUBSURFACE COMMANDEE DEPUIS LA SURFACE

(71) **CAMCO INTERNATIONAL INC.** [US/US]; 7030 Ardmore, Houston, TX 77054 (US).

(72) **JOHNSTON, Russell, A.**; Route 9, Box 165, Alvin, TX 77511 (US).

(74) **QUISENBERRY, C., Dale**; Tobor, Goldstein & Healey, L.L.P., Suite 2300, 1360 Post Oak Boulevard, Houston, TX 77056–3023 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E21B 37/00**

(11) **WO 99/54590** (13) A1

(21) PCT/GB99/01020

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,202 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN APPARATUS, A SYSTEM AND A METHOD FOR WASHING A TUBULAR IN A WELLBORE
• APPAREIL, SYSTEME ET PROCEDE DE LAVAGE D'ELEMENT TUBULAIRE DANS UN PUITS DE FORAGE

(71) **WEATHERFORD/LAMB, INC.** [US/US]; c/o CSC – The United States Corporation Company, 1013 Centre Road, Wilmington, DE 19805 (US). **LUCAS, Brian, Ronald** [GB/GB]; Lucas & Co., 135 Westhall Road, Warlingham, Surrey CR6 9HJ (GB).

(72) **BEEMAN, Robert, Stephen**; 5330 Hollyhock Lane, Bossier City, LA 71112 (US). **LEE, Mark, Howard**; 9602 Galston Lane, Spring, TX 77379 (US). **BREAUX, Stephen, P.**; 405 Saint Joseph Street, Lafayette, LA 70506–4564 (US). **MCCLUNG, Guy, LaMont, III**; 8130 Vintage Creek, Spring, TX 77379 (US).

(74) **HARDING, Richard, Patrick** et al. / etc.; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford OX4 2RU (GB).

(81) AU CA CN JP NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E21B 41/00, 34/06**

(11) **WO 99/54591** (13) A1

(21) PCT/US99/08488

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,660 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTROLLING MULTIPLE DOWNHOLE TOOLS
• SYSTEME SERVANT A COMMANDER DE MULTIPLES INSTRUMENTS DE FOND DE PUITS

(71) **SCHLUMBERGER TECHNOLOGY CORPORATION** [US/US]; Intellectual Property Law Dept., 14910 Airline Road, Rosharon, TX 77583–1590 (US).

(72) **VAYNSHTEYN, Vladimir**; 719 Epperson Way, Sugar Land, TX 77479 (US).

(74) **PRUNER, Fred**; Trop, Pruner, Hu & Miles, P.C., Suite 100, 8554 Katy Freeway, Houston, TX 77024 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **E21B 43/267, 33/138**

(11) **WO 99/54592** (13) A1

(21) PCT/GB99/01125

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 9808490.8 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WELL TREATMENT FOR WATER RESTRICTION
• TRAITEMENT DE PUITS PERMETTANT DE REDUIRE L'ECOULEMENT D'EAU

(71) **AEA TECHNOLOGY PLC** [GB/GB]; 329 Harwell, Didcot, Oxfordshire OX11 0RA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEBB, Philip, John, Charles** [GB/GB]; Ault More, Stobhall, Maryculter, Aberdeenshire AB12 5GJ (GB).

(74) **MANSFIELD, Peter, Turquand** et al. / etc.; AEA Technology plc, Patents Dept., 329 Harwell, Didcot, Oxfordshire OX11 0RA (GB).

(81) AU BR CA GB MX NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **E21D 11/38, 11/08, 11/40**

(11) **WO 99/54593** (13) A1

(21) PCT/EP99/02493

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 429.2 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE AND METHOD FOR FIXING A SEALING ELEMENT ON A CASING IN A STABLE POSITION
• DISPOSITIF ET PROCEDE POUR LA FIXATION EN POSITION STABLE D'UN ELEMENT D'ETANCHEITE SUR UN COFFRAGE

(71) **HOCHTIEF AKTIENGESELLSCHAFT VORM. GEBR. HELFMANN** [DE/DE]; Opernplatz 2, D–45128 Essen (DE). **HERRENKNECHT GMBH** [DE/DE]; Schlehenweg 2, D–77963 Schwanau–Allmansweier (DE).
(only for / seulement pour BE DE NL)

(71) **PHOENIX AG** [DE/DE]; Hannoversche Strasse 88, D–21079 Hamburg (DE).
(only for / seulement pour AT AU BE CH CN DE DK ES FI FR GB GR IE IT JP LU MC NL PT SE)

(72, 75) **GIPPERICH, Christof** [DE/DE]; Ostring 114, D–26125 Oldenburg (DE). **HEERSSEN, Rolf** [DE/DE]; Quellenweg 33, D–25421 Pinneberg (DE). **GUTSCHMIDT, Holger** [DE/DE]; Kurt Schumacher Strasse 73a, D–21629 Neu Wulmstorf (DE). **BURGER, Werner** [DE/DE]; Waldweg 16, D–77963 Schwanau (DE).

(74) **MASCH, Karl, Gerhard**; Andrejewski, Honke & Sozien, Postfach 10 02 54, D–45002 Essen (DE).

(81) AU CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F01C 1/10**

(11) **WO 99/54594** (13) A1

(21) PCT/US99/00032

(22) **4 Jan/jan 1999 (04.01.1999)**

(25) en (26) en

(30) 09/062,319 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HYDRAULIC MOTOR PLATES
• PLAQUES DE MOTEUR HYDRAULIQUE

(71) **WHITE HYDRAULICS, INC.** [US/US]; Bill Bryan Boulevard, Hopkinsville, KY 42240 (US).

(72) **WHITE, Hollis, N.**; 243 Pyle Lane, Hopkinsville, KY 42240 (US).

(74) **LIGHTBODY, William, S.**; Lightbody Law Office, Suite 2121, 1717 East Ninth Street, Cleveland, OH 44114 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F01C 1/10**

(11) **WO 99/54595** (13) A1

(21) PCT/US99/00033

(22) **4 Jan/jan 1999 (04.01.1999)**

(25) en (26) en

(30) 09/062,320 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HYDRAULIC MOTOR VALVE WITH INTEGRAL CASE DRAIN
• TIROIR DE MOTEUR HYDRAULIQUE A DRAIN DE CARTER INTEGRE

(71) **WHITE HYDRAULICS, INC.** [US/US]; Bill Bryan Boulevard, Hopkinsville, KY 42240 (US).

(72) **WHITE, Hollis, N.**; 243 Pyle Lane, Hopkinsville, KY 42240 (US).

(74) **LIGHTBODY, William, S.**; Lightbody Law Office, Suite 2121, 1717 East Ninth Street, Cleveland, OH 44114 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F01C 1/10**

(11) **WO 99/54596** (13) A1

(21) PCT/US99/06532

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,318 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTI–PLATE HYDRAULIC MOTOR VALVE
• SOUPAPE DE MOTEUR HYDRAULIQUE A PLATEAUX MULTIPLES

(71) **WHITE HYDRAULICS, INC.** [US/US]; Bill Bryan Boulevard, Hopkinsville, KY 42240 (US).

(72) **WHITE, Hollis, N.**; 243 Pyle Lane, Hopkinsville, KY 42240 (US).

(74) **LIGHTBODY, William, S.**; Lightbody Law Office, Suite 2121, 1717 East Ninth Street, Cleveland, OH 44114 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(b)*

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(51)[6] **F01D 5/14, 9/04**

(11) **WO 99/54597** (13) A1

(21) PCT/DE99/01109

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 820.4 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TURBINE BLADE
• PALE DE TURBINE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TIEMANN, Peter** [DE/DE]; Gerichtstrasse 4, D–58452 Witten (DE). **JACALA, Ariel** [US/DE]; Mergelstrasse 38, D–45478 Mülheim (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) JP RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **F01D 21/04**

(11) **WO 99/54598** (13) A1

(21) PCT/CA99/00340

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/062,618 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTAINMENT SYSTEM FOR CONTAINING BLADE BURST
• SYSTEME DE CONFINEMENT PERMETTANT DE MAITRISER LA RUPTURE D'AUBES

(71) **PRATT & WHITNEY CANADA INC.** [CA/CA]; Jeffrey W. Astle, Legal Services (01BE5), 1000 Marie Victorin, Longueuil, Québec J4G 1A1 (CA).

(72) **GOMUC, Reha**; 661 Nicholas–Perrot, Boucherville, Québec J4B 7R4 (CA). **MODAFFERI, Mario**; 12461 Rene Masson, Montréal, Québec H1E 4Z9 (CA).

(74) **ASTLE, Jeffrey, W.**; Pratt & Whitney Canada Inc., Legal Dept. (01BE5), 1000 Marie Victorin, Longueuil, Québec J4G 1A1 (CA).

(81) BR CA CN CZ HU IL IN JP KR MX PL RO RU SG UA ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F01L 1/344**

(11) **WO 99/54599** (13) A1

(21) PCT/EP99/02495

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 319.9 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CAMSHAFT ADJUSTER FOR INTERNAL COMBUSTION ENGINES
• DISPOSITIF DE REGLAGE D'ARBRE A CAMES POUR MOTEURS A COMBUSTION INTERNE

(71) **DAIMLERCHRYSLER AG** [DE/DE]; Epplestrasse 225, D–70567 Stuttgart (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SPEIER, Wolfgang** [DE/DE]; Schweitlerstrasse 16, D–70619 Stuttgart (DE).

(74) **BRÜCKNER, Ingo** et al. / etc.; Daimler-Chrysler AG, Intellectual Property Management, FTP – C 106, D–70546 Stuttgart (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F01L 7/06**

(11) **WO 99/54600** (13) A1

(21) PCT/IT99/00102

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) VA98A0007 **23 Apr/avr 1998** IT **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INTERNAL COMBUSTION ENGINE WITH INDUCTION AND EXHAUST DISC VALVES
• MOTEUR A COMBUSTION INTERNE MUNI DE SOUPAPES D'ADMISSION ET D'ECHAPPEMENT A DISQUE

(71, 72) **CORAZZESI, Marco** [IT/IT]; Via Morandi, 8, I–21046 Malnate (IT).

(74) **PELLEGRI, Alberto**; Società Italiana Brevetti S.p.A., Via Puccini, 7, I–21100 Varese (IT).

(81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F01N 3/20**

(11) **WO 99/54601** (13) A1

(21) PCT/EP99/02623

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 994.4 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR PURIFYING EXHAUST GAS OF AN INTERNAL COMBUSTION ENGINE CONTAINING NITROGEN OXIDE (NO_x)
• PROCEDE ET DISPOSITIF DE PURIFICATION D'UN GAZ D'ECHAPPEMENT, CONTENANT DE L'OXYDE D'AZOTE (NO_x), D'UN MOTEUR A COMBUSTION

(71) **EMITEC GESELLSCHAFT FÜR EMISSIONSTECHNOLOGIE MBH** [DE/DE]; Hauptstrasse 150, D–53797 Lohmar (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BRÜCK, Rolf** [DE/DE]; Fröbelstrasse 12, D–51429 Bergisch Gladbach (DE). **MAUS, Wolfgang** [DE/DE]; Gut Horst, D–51429 Bergisch Gladbach (DE).

(74) **KAHLHÖFER, Hermann**; Bardehle Pagenberg Dost Altenburg Geissler Isenbruck, Uerdinger Strasse 5, D–40474 Düsseldorf (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F01N 3/28**

(11) **WO 99/54602** (13) A1

(21) PCT/EP99/02585

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 787.9 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR PRODUCING A METALLIC HONEYCOMB BODY
• PROCEDE ET DISPOSITIF DE PRODUCTION D'UN CORPS METALLIQUE EN NIDS D'ABEILLES

(71) **EMITEC GESELLSCHAFT FÜR EMISSIONSTECHNOLOGIE MBH** [DE/DE]; Hauptstrasse 150, D–53797 Lohmar (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **WIERES, Ludwig** [DE/DE]; Oppelner Strasse 2, D–51491 Overath (DE). **CASPAR, Hans–Peter** [DE/DE]; Leostrasse 28, D–53844 Troisdorf (DE). **MÜLLER, Christof** [DE/DE]; Christian–Heesen–Strasse 10, D–51491 Overath (DE).

(74) **KAHLHÖFER, Hermann**; Bardehle, Pagenberg, Dost, Altenburg, Geissler, Isenbruck, Uerdinger Strasse 5, D–40474 Düsseldorf (DE).

(81) CN ID IN JP KR RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F01P 3/04**

(11) **WO 99/54603** (13) A1

(21) PCT/CN99/00041

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) zh (26) zh

(30) 98 2 09315.2 **22 Apr/avr 1998** CN **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WATER TANK FOR SINGLE CYLINDER EVAPORATIVE COOLING DIESEL
• RESERVOIR A EAU POUR MOTEUR DIESEL MONOCYLINDRIQUE A VAPORISATION

(71, 72) **JIANG, Yaofu** [CN/CN]; No. 402 Unit Bing, Building 22, Beizhi Street, Changzhou City, Jiangsu 213003 (CN).

(74) **CCPIT PATENT AND TRADEMARK LAW OFFICE**; 8th floor, 2 Fuchengmenwai Street, Beijing 100037 (CN).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F01P 11/08**

(11) **WO 99/54604** (13) A1

(21) PCT/US99/07878

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/063,661 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OIL–COOLED INTERNAL COMBUSTION ENGINE WITH MOTOR–ASSISTED TURBOFAN COOLING
• MOTEUR A COMBUSTION INTERNE A REFROIDISSEMENT PAR HUILE AVEC SYSTEME DE REFROIDISSEMENT PAR TURBO–VENTILATEUR MOTORISE

(71) **TURBODYNE SYSTEMS, INC.** [US/US]; 6155 Carpinteria Avenue, Carpinteria, CA 93013 (US).

(72) **HALIMI, Edward, M.**; 163 Hot Springs Road, Montecito, CA 93108 (US). **WOOLLENWEBER, William, E.**; 3169 Camino del Arco, Carlsbad, CA 92009 (US).

(74) **BADGER, David, H.**; Brinks Hofer Gilson & Lione, Suite 2425, One Indiana Square, Indianapolis, IN 46204 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02B 19/12**

(11) **WO 99/54605** (13) A1

(21) PCT/US99/08023

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 09/062,052 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FUEL COMBUSTION ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE HAVING AN ENCAPSULATED SPARK PLUG FOR IGNITING LEAN GASEOUS FUEL WITHIN A PRECOMBUSTION CHAMBER
• SYSTEME DE COMBUSTION POUR MOTEUR A COMBUSTION INTERNE COMPRENANT UNE BOUGIE D'ALLUMAGE ENCAPSULEE PERMETTANT L'ALLUMAGE D'UN CARBURANT GAZEUX PAUVRE DANS UNE CHAMBRE DE PRECOMBUSTION

(71) **CATERPILLAR INC.** [US/US]; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(72) **WILLI, Martin, L.**; 2419 Farmington Drive W., Lafayette, IN 47905 (US). **HILTNER, Joel, D.**; 195 E. Sunset Way, East Peoria, IL 61611 (US). **WU, Min**; 3314–B Pebble Court, Lafayette, IN 47905 (US). **SRINIVASAN, Anand**; Apartment C, 1724 North Chauncey Court, Lafayette, IN 47905 (US).

(74) **HICKMAN, Alan, J.** et al. / etc.; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02B 37/00**

(11) **WO 99/54606** (13) A1

(21) PCT/US99/08554

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/062,903 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR CROSS TURBOCHARGING
• SYSTEME POUR TURBOCOMPRESSEUR HYBRIDE

(71, 72) **EDMONDS, Dean, S., Jr.** [US/US]; 1019 Spyglass Lane, Naples, FL 34102 (US).

(74) **WEILD, David, III** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02B 37/013, 37/18, F02M 25/07, F02B 37/24**

(11) **WO 99/54607** (13) A1

(21) PCT/EP99/02405

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 198 16 778.4 **16 Apr/avr 1998** DE **(16.04.1998)**

(30) 198 37 978.1 **21 Aug/août 1998** DE **(21.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TURBOCHARGED INTERNAL COMBUSTION ENGINE
• MOTEUR A COMBUSTION INTERNE TURBOCOMPRESSE

(71) **3K–WARNER TURBOSYSTEMS GMBH** [DE/DE]; Hessheimer Strasse 2, D–67227 Frankenthal (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PFLÜGER, Frank** [DE/DE]; Karl–Schurz–Strasse 16, D–76187 Karlsruhe (DE).

(74) **DR. WEITZEL & PARTNER**; Friedensstrasse 10, D–89522 Heidenheim (DE).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02B 75/26, 77/00**

(11) **WO 99/54608** (13) A1

(21) PCT/JP99/01595

(22) **26 Mar/mar 1999 (26.03.1999)**

(25) ja (26) ja

(30) 10/106321 **16 Apr/avr 1998** JP **(16.04.1998)**

(30) 10/123378 **6 May/mai 1998** JP **(06.05.1998)**

(30) 10/139086 **21 May/mai 1998** JP **(21.05.1998)**

(30) 10/139546 **21 May/mai 1998** JP **(21.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INCLINED SINGLE CYLINDER ENGINE
• MOTEUR MONOCYLINDRIQUE INCLINE

(71) **YANMAR DIESEL ENGINE CO., LTD.** [JP/JP]; 1–32, Chayamachi, Kita–ku, Osaka–shi, Osaka 530–0013 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TANAKA, Takehiro** [JP/JP]; Yanmar Diesel Engine Co., Ltd., 1–32, Chayamachi, Kita–ku, Osaka–shi, Osaka 530–0013 (JP). **WATANABE, Nobuhiro** [JP/JP]; Yanmar Diesel Engine Co., Ltd., 1–32, Chayamachi, Kita–ku, Osaka–shi, Osaka 530–0013 (JP). **IWATA, Satoshi** [JP/JP]; Yanmar Diesel Engine Co., Ltd., 1–32, Chayamachi, Kita–ku, Osaka–shi, Osaka 530–0013 (JP).

(74) **YANO, Juichiro**; Nagahoriyachiyo Building, 11–9, Minamisemba 1–chome, Chuo–ku, Osaka–shi, Osaka 542–0081 (JP).

(81) CN ID IN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02C 7/18**

(11) **WO 99/54609** (13) A1

(21) PCT/CA99/00352

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,043 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TURBINE ENGINE WITH COOLED P3 AIR TO IMPELLER REAR CAVITY
• MOTEUR A TURBINE A DECHARGE D'AIR P3 DANS UNE CAVITE ARRIERE DE L'HELICE

(71) **PRATT & WHITNEY CANADA INC.** [CA/CA]; Jeffrey W. Astle, Legal Services (01BE5), 1000 Marie Victorin, Longueuil, Quebec J4G 1A1 (CA).

(72) **LIU, Xiaoliu**; 2588 Credit Valley Road, Mississauga, Ontario L6M 4K7 (CA).

(74) **ASTLE, Jeffrey, W.**; Pratt & Whitney Canada Inc., Legal Dept. (01BE5), 1000 Marie Victorin, Longueuil, Quebec J4G 1A1 (CA).

(81) BR CA CN CZ HU IL IN JP KR MX PL RO RU SG UA ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02C 7/232, F23K 5/18**

(11) **WO 99/54610** (13) A1

(21) PCT/CA99/00338

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/061,278 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTI–COKING FUEL INJECTOR PURGING DEVICE
• DISPOSITIF DE PURGE ANTI–CALAMINAGE POUR INJECTEUR DE CARBURANT

(71) **PRATT & WHITNEY CANADA INC.** [CA/CA]; Jeffrey W. Astle, Legal Services (01BE5), 1000 Marie Victorin, Longueuil, Québec J4G 1A1 (CA).

(72) **PROCIW, Lev, A.**; 26 Meadowlark Road, Elmira, Ontario N3B 1V1 (CA).

(74) **ASTLE, Jeffrey, W.**; Pratt & Whitney Canada Inc., Legal Dept. (01BE5), 1000 Marie Victorin, Longueuil, Québec J4G 1A1 (CA).

(81) BR CA CN CZ HU IL IN JP KR MX PL RO RU SG UA ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02D 9/06**

(11) **WO 99/54611** (13) A1

(21) PCT/FR99/00965

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) fr (26) fr

(30) 98/05212 **22 Apr/avr 1998** FR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DECELERATOR DEVICE MOUNTED IN THE EXHAUST GAS CIRCUIT OF A VEHICLE EQUIPPED WITH A COMBUSTION ENGINE
• DISPOSITIF RALENTISSEUR MONTE DANS LE CIRCUIT D'ECHAPPEMENT DES GAZ D'UN VEHICULE EQUIPE D'UN MOTEUR A COMBUSTION

(71) **FOWA S.A.** [FR/FR]; 1, rue du Maine, F–68270 Wittenheim (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WAGNER, Pierre–André** [FR/FR]; 5, rue des Hermines, F–68200 Mulhouse (FR).

(74) **CABINET NITHARDT ET ASSOCIES S.A.**; Boîte postale 1445, F–68071 Mulhouse Cedex (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F02D 9/06**

(11) **WO 99/54612** (13) A1

(21) PCT/FR99/00966

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) fr (26) fr

(30) 98/05211 **22 Apr/avr 1998** FR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DECELERATOR DEVICE MOUNTED IN THE EXHAUST GAS CIRCUIT OF A VEHICLE EQUIPPED WITH A COMBUSTION ENGINE
• DISPOSITIF RALENTISSEUR MONTE DANS LE CIRCUIT D'ECHAPPEMENT DES GAZ D'UN VEHICULE EQUIPE D'UN MOTEUR A COMBUSTION

(71) **FOWA S.A.** [FR/FR]; 1, rue du Maine, F–68270 Wittenheim (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WAGNER, Pierre–André** [FR/FR]; 5, rue des Hermines, F–68200 Mulhouse (FR).

(74) **CABINET NITHARDT ET ASSOCIES S.A.**; Boîte postale 1445, F–68071 Mulhouse Cedex (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F02D 33/02, B60T 17/02**

(11) **WO 99/54613** (13) A1

(21) PCT/FR99/00888

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fr (26) fr

(30) 98/04820 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR CONTROLLING VACUUM PREVAILING IN AN INTERNAL COMBUSTION ENGINE INTAKE MANIFOLD
• PROCEDE ET DISPOSITIF DE COMMANDE DE LA DEPRESSION REGNANT DANS LE COLLECTEUR D'ADMISSION D'UN MOTEUR A COMBUSTION INTERNE

(71) **RENAULT** [FR/FR]; 34, quai du Point du Jour, F–92109 Boulogne Billancourt (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEROUX, Jean–François** [FR/FR]; Bâtiment B – Appartement 92, 135, rue Danton, F–92500 Rueil Malmaison (FR). **VUILLERMOZ, Guillaume** [FR/FR]; 19, rue des Quatre Vents, F–92380 Garches (FR).

(74) **FERNANDEZ, Francis**; Renault Technocentre, Sce 0267 – TCR AVA 0 56, F–78288 Guyancourt (FR).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02D 45/00**

(11) **WO 99/54614** (13) A1

(21) PCT/JP99/02158

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) ja (26) ja

(30) 10/111919 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INTAKE AIR VOLUME DETECTION DEVICE FOR INTERNAL COMBUSTION ENGINE
• DISPOSITIF DE DETECTION DU VOLUME D'AIR D'ADMISSION POUR MOTEUR A COMBUSTION INTERNE

(71) **TOYOTA JIDOSHA KABUSHIKI KAISHA** [JP/JP]; 1, Toyota–cho,, Toyota–shi, Aichi 471–8571 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FUWA, Naohide** [JP/JP]; Toyota Jidosha Kabushiki Kaisha, 1, Toyota–cho,, Toyota–shi, Aichi 471–8571 (JP).

(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki, Ishida & Associates, Toranomon 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–8423 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02M**

(11) **WO 99/54615** (13) A2

(21) PCT/AU99/00300

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) PP 3109 **21 Apr/avr 1998** AU **(21.04.1998)**

(30) PP 6532 **15 Oct/oct 1998** AU **(15.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AIR CLEANER
• FILTRE A AIR

(71) **AIRONIC PTY. LTD.** [AU/AU]; 65 Dickson Avenue, Artarmon, NSW 2064 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARCEAU, Gerald** [AU/AU]; (AU). **BOSE, Tushar** [AU/AU]; 65 Dickson Avenue, Artarmon, NSW 2064 (AU).

(74) **TAYLOR, Paul, Robert**; Paul R. Taylor & Associates, P.O. Box 742, Spit Junction, NSW 2088 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F02M 7/02, 15/02, 19/03**

(11) **WO 99/54616** (13) A1

(21) PCT/DE98/01314

(22) **20 Apr/avr 1998 (20.04.1998)**

(25) de (26) de

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTIDETONATING VAPORIZATION ACCELERATOR AND A PASSIVE ANTIDETONATING VAPORIZATION ACCELERATOR
• ACCELERATEUR DE VAPORISATION ANTIDETONANT ET ACCELERATEUR DE VAPORISATION ANTIDETONANT PASSIF

(71, 72) **UNRAU, Alexander** [DE/DE]; Rietbergerstrasse 4, D–33397 Rietberg (DE).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LV MD MG MK MN MW MX NO NZ PL RO RU SD SG SI SK TJ TM TR TT UA UG US UZ VN.

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(51)[6] **F02M 51/00**

(11) **WO 99/54617** (13) A1

(21) PCT/US99/03160

(22) **12 Feb/fév 1999 (12.02.1999)**

(25) en (26) en

(30) 09/065,376 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FUEL RECIRCULATION ARRANGEMENT AND METHOD FOR DIRECT FUEL INJECTION SYSTEMS
• DISPOSITIF ET PROCEDE DE RECIRCULATION DE CARBURANT POUR SYSTEMES D'INJECTION DIRECTE DE CARBURANT

(71) **SIEMENS AUTOMOTIVE CORPORATION** [US/US]; 2400 Executive Hills Drive, Auburn Hills, MI 48326–2980 (US).

(72) **LORRAINE, Jack, R.**; 113 Jones Road, Newport News, VA 23601 (US).

(74) **LAUB, David, W.** et al. / etc.; Siemens Corporation, Intellectual Property Dept., 186 Wood Avenue South, Iselin, NJ 08830 (US).

(81) BR JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **F02M 55/04**

(11) **WO 99/54618** (13) A1

(21) PCT/US99/02985

(22) **11 Feb/fév 1999 (11.02.1999)**

(25) en (26) en

(30) 09/065,375 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DAMPER DRY ICE CHARGE
• CHARGE D'AMORTISSEMENT A BASE DE GLACE CARBONIQUE

(71) **SIEMENS AUTOMOTIVE CORPORATION** [US/US]; 2400 Executive Hills Drive, Auburn Hills, MI 48326–2980 (US).

(72) **LORRAINE, Jack, R.**; 113 Jones Road, Newport News, VA 23601 (US).

(74) **LAUB, David, W.** et al. / etc.; Siemens Corporation – Intellectual Property Dept., 186 Wood Avenue South, Iselin, NJ 08830 (US).

(81) BR JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02M 69/04**

(11) **WO 99/54619** (13) A1

(21) PCT/US99/02776

(22) **10 Feb/fév 1999 (10.02.1999)**

(25) en (26) en

(30) 09/065,372 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AIR SHROUD FOR AIR ASSIST FUEL INJECTOR
• GRILLE DE PRISE D'AIR POUR INJECTEUR DE CARBURANT A ASSISTANCE PNEUMATIQUE

(71) **SIEMENS AUTOMOTIVE CORPORATION** [US/US]; 2400 Executive Hills Drive, Auburn Hills, MI 48326–2980 (US).

(72) **PETERSON, William, A., Jr.**; 11183 Eagle Watch, Smithfield, VA 23430 (US).

(74) **LAUB, David, W.** et al. / etc.; Siemens Corporation, Intellectual Property Dept., 186 Wood Avenue South, Iselin, NJ 08830 (US).

(81) BR JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02N 11/04, 11/08**

(11) **WO 99/54620** (13) A1

(21) PCT/DE99/01161

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 452.7 **20 Apr/avr 1998** DE **(20.04.1998)**

(30) 198 58 992.1 **21 Dec/déc 1998** DE **(21.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STARTING AND DRIVING UNIT FOR AN INTERNAL COMBUSTION ENGINE OF A MOTOR VEHICLE
• UNITE DE DEMARRAGE ET D'ENTRAINEMENT POUR MOTEUR A COMBUSTION INTERNE D'UN VEHICULE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AHNER, Peter** [DE/DE]; Kirchheimer Strasse 18, D–71032 Boeblingen (DE). **ACKERMANN, Manfred** [DE/DE]; Mittelgasse 3, D–71570 Oppenweiler (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **F02N 17/08, 11/04**

(11) **WO 99/54621** (13) A1

(21) PCT/EP99/02219

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) de (26) de

(30) 198 17 497.7 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND STARTER SYSTEM FOR STARTING AN INTERNAL COMBUSTION ENGINE
• PROCEDE ET SYSTEME POUR LE DEMARRAGE D'UN MOTEUR A COMBUSTION INTERNE

(71) **ISAD ELECTRONIC SYSTEMS GMBH & CO. KG** [DE/DE]; Niehler Strasse 102–116, D–50733 Köln (DE). **BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT** [DE/DE]; D–80788 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PELS, Thomas** [DE/DE]; Kreuzstrasse 36, D–77855 Achern (DE). **ROSSKOPF, Franz** [DE/DE]; Zürcherstrasse 192, D–81476 München (DE).

(74) **NIEDERKOFLER, Oswald, A.** et al. / etc.; Samson & Partner, Widenmayerstrasse 5, D–80538 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F02P 17/12, F02D 41/06, 41/26**

(11) **WO 99/54622** (13) A1

(21) PCT/DE99/01147

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 447.0 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR PHASE RECOGNITION IN A 4–STROKE OTTO ENGINE WITH ION FLOW MEASUREMENT
• PROCEDE ET DISPOSITIF PERMETTANT D'IDENTIFIER LES PHASES, PAR LA MESURE DU COURANT IONIQUE, DANS UN MOTEUR A ESSENCE A 4 TEMPS

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **KETTERER, Markus** [DE/DE]; Rasmussenweg 17, D–70439 Stuttgart (DE). **WALD, Klaus–Jürgen** [DE/DE]; Wilhelm–Raabe–Strasse 21, D–70199 Stuttgart (DE). **GÜNTHER, Achim** [DE/DE]; Mittenfeldstrasse 126, D–70499 Stuttgart (DE). **FOERSTER, Jüergen** [DE/DE]; Blumenstrasse 16, D–74379 Ingersheim (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F03D 3/06, 3/04**

(11) **WO 99/54623** (13) A1

(21) PCT/US99/07894

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/061,508 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WIND TURBINE
• EOLIENNE

(71, 72) **TAYLOR, Ronald, J.** [US/US]; 1169 Long Valley Drive, Cheyenne, WY 82001 (US).

(74) **EDMUNDSON, Dean, P.**; Suite 3220, 1136 E. Stuart Street, Ft. Collins, CO 80525 (US).

(81) BR CA CN ID IN JP KR MG MX NO NZ SG; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F04B 1/20 // F03C 1/06, F01B 3/00**

(11) **WO 99/54624** (13) A1

(21) PCT/SE99/00587

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 9801323–8 **17 Apr/avr 1998** SE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A HYDRAULIC ROTATING AXIAL PISTON ENGINE
• MOTEUR HYDRAULIQUE A PISTONS AXIAUX ROTATIFS

(71) **PARKER HANNIFIN AB** [SE/SE]; P.O. Box 110, S–523 23 Ulricehamn (SE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **ALM, Filip** [SE/SE]; Skårdalsvägen 89, S–445 36 Bohus (SE). **JOSEFSSON, Per–Ove** [SE/SE]; Björkholmsgatan 8 C, S–462 32 Vänersborg (SE).

(74) **GRAUDUMS, Valdis** et al. / etc.; Albihns Patentbyrå Göteborg AB, P.O. Box 142, S–401 22 Göteborg (SE).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F04B 1/20, 1/30**

(11) **WO 99/54625** (13) A1

(21) PCT/US99/06637

(22) **26 Mar/mar 1999 (26.03.1999)**

(25) en (26) en

(30) 09/056,515 **7 Apr/avr 1998** US **(07.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTROLLED PORTING FOR A PRESSURE TRANSFORMER
• PLATEAU DE DISTRIBUTION A REGULATION POUR CONVERTISSEUR DE PRESSION

(71) **CATERPILLAR INC.** [US/US]; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(72) **RAAB, Francis, J.**; 1517 W. Cloverdale Road, Chillicothe, IL 61523 (US).

(74) **BURROWS, J., W.** et al. / etc.; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F04B 43/08, 43/00, H01L 41/09, H02N 2/00, B06B 1/06**

(11) **WO 99/54626** (13) A1

(21) PCT/AU99/00298

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) PP 3073 **21 Apr/avr 1998** AU **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PIEZOCERAMIC ACTUATORS AND ACTUATING SYSTEM INCORPORATING PIEZOCERAMIC ELEMENTS
• ACTIONNEURS PIEZO–CERAMIQUES ET SYSTEME DE COMMANDE INCORPORANT DE TELS ELEMENTS

(71, 72) **MITCHELL, William, Richard** [AU/AU]; 10 Macintyre Crescent, Sylvania, NSW 2224 (AU).

(74) **SCHILLING, Fred** et al. / etc.; Davies Collison Cave, Level 10, 10 Barrack Street, Sydney, NSW 2000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F04C 18/16, 18/08**

(11) **WO 99/54627** (13) A1

(21) PCT/CH99/00137

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) de (26) de

(30) 98810350.3 **21 Apr/avr 1998** EP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POSITIVE DISPLACEMENT MACHINE
• MACHINE VOLUMETRIQUE

(71) **ATELIERS BUSCH S.A.** [CH/CH]; Rue des Moissons, Zone Industrielle, CH–2906 Chevenez (CH). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BECHER, Ulrich** [DE/CH]; 4, rue des Baîches, CH–2900 Porrentruy (CH). **BASTECK, Andreas** [DE/DE]; Spitalstrasse 66, D–79539 Lörrach (DE).

(74) **BOVARD AG**; Optingenstrasse 16, CH–3000 Bern 25 (CH).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **F04D 27/02**

(11) **WO 99/54628** (13) A1

(21) PCT/DE99/01079

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 16 987.6 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADAPTED SURGE LIMIT IN A CENTRIFUGAL COMPRESSOR
• PROCEDE ET DISPOSITIF POUR ADAPTER LA LIMITE DE POMPAGE D'UN COMPRESSEUR CENTRIFUGE

(71) **RAG AKTIENGESELLSCHAFT** [DE/DE]; Rellinghauserstrasse 1–11, D–45128 Essen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BREYER, Leopold** [DE/DE]; Walter–Weisstrasse 3, D–66386 St. Ingbert (DE). **MASSONE, Michael** [DE/DE]; Tulpenweg 3, D–66646 Marpingen (DE).

(81) AL AU BA BG BR BY CA CN CZ EE HU IN JP KR LT LV MD MK MX NO NZ PL RO RU SI SK TR UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F04F 5/02**

(11) **WO 99/54629** (13) A1

(21) PCT/IB99/00676

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ru (26) ru

(30) 98107183 **17 Apr/avr 1998** RU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LIQUID–GAS JET APPARATUS AND VARIANTS
• APPAREIL A JETS DE GAZ ET DE LIQUIDES ET VARIANTES

(71) **PETRUKHIN, Evgeny Dmitrievich** [RU/RU]; Maikovsky pereulok, 4, Novorossisk, 353900 (RU).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **POPOV, Sergei Anatolievich** [RU/HU]; Maria Kiralyne u. 54, H–1213 Budapest (HU).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F04F 5/54**

(11) **WO 99/54630** (13) A1

(21) PCT/IB99/00678

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ru (26) ru

(30) 98107180 **17 Apr/avr 1998** RU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PUMP–EJECTOR COMPRESSOR APPARATUS AND VARIANTS
• APPAREIL COMPRESSEUR DE TYPE POMPE ET EJECTEUR ET VARIANTES

(71) **PETRUKHINE, Evgeny Dmitrievich** [RU/RU]; Maikovsky pereulok, 4, Novorossisk, 353900 (RU).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **POPOV, Sergei Anatolievich** [RU/HU]; Maria Kiralyne u. 54, H–1213 Budapest (HU).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F04F 5/54**

(11) **WO 99/54631** (13) A1

(21) PCT/IB99/00686

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ru (26) ru

(30) 98107353 **20 Apr/avr 1998** RU **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PUMPING–EJECTION APPARATUS
• APPAREIL DE POMPAGE ET D'EJECTION

(71) **PETRUKHINE, Evgeny Dmitrievich** [RU/RU]; Maikovsky pereulok, 4, Novorossisk, 353900 (RU).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **POPOV, Sergei Anatolievich** [RU/HU]; Maria Kiralyne u. 54, H–1213 Budapest (HU).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F15B 13/08, 21/08**

(11) **WO 99/54632** (13) A1

(21) PCT/EP99/02589

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 298 07 097.9 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTROFLUIDIC MODULAR SYSTEM
• SYSTEME ELECTROFLUIDIQUE MODULAIRE

(71) **BÜRKERT WERKE GMBH & CO.** [DE/DE]; Christian–Bürkert–Strasse 13–17, D–74653 Ingelfingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OTTLICZKY, Martin** [DE/DE]; Kirchweg 14, D–74670 Forchtenberg (DE).

(74) **DEGWERT, Hartmut**; Prinz & Partner, Manzingerweg 7, D–81241 München (DE).

(81) JP US.

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(51)[6] **F16B 5/06**

(11) **WO 99/54633** (13) A1

(21) PCT/FR99/00896

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/04823 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BINDING CLIP
• CLIP D'AGRAFAGE

(71) **EUROSTYLE (S.A.S.)** [FR/FR]; 4, rue des Petits Ruisseaux, Z.I. des Godets, F–91370 Verrières le Buisson (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GUYOT, Robert** [FR/FR]; 251, avenue de Verdun, F–36000 Châteauroux (FR).

(74) **VIARD, Jean**; Cabinet Viard, 28 bis, avenue Mozart, F–75016 Paris (FR).

(81) BR JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16B 5/10, H02K 15/09**

(11) **WO 99/54634** (13) A1

(21) PCT/US99/08560

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,390 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • QUICK–CHANGE WINDING FORM ASSEMBLY
• ENSEMBLE DE FORME D'ENROULEMENT A MODIFICATION RAPIDE

(71) **GLOBE PRODUCTS, INC.** [US/US]; 5051 Kitridge Road, Huber Heights, OH 45426 (US).

(72) **REIFF, Duane, W.**; Apartment 9, 2155 Beaver Valley Road, Fairborn, OH 45324 (US).

(74) **DYBVIG, Roger, S.** et al. / etc.; 22 Green Street, Dayton, OH 45402 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16B 37/12, 2/04**

(11) **WO 99/54635** (13) A1

(21) PCT/FI99/00298

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) fi (26) en

(30) 980851 **17 Apr/avr 1998** FI **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LOCKING ELEMENT
• ELEMENT DE VERROUILLAGE

(71, 72) **KALLIO, Armas** [FI/FI]; P.O. Box 1, FIN–27320 Ihode (FI). **RAUTIO, Aaro** [FI/FI]; Pähkinämäenkatu 6 G 47, FIN–33840 Tampere (FI).

(74) **TURUN PATENTTITOIMISTO OY**; P.O. Box 99, FIN–20521 Turku (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F16D 65/092**

(11) **WO 99/54636** (13) A1

(21) PCT/US99/08495

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,907 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED DISC BRAKE PAD ASSEMBLY
• ENSEMBLE GARNITURE DE FREIN A DISQUE AMELIORE

(71) **FEDERAL–MOGUL CORPORATION** [US/US]; 26555 Northwestern Highway, Southfield, MI 48034 (US).

(72) **SMITH, David, J.**; 22 Winfield Street, Needham, MA 02192 (US).

(74) **BAKER, Thomas, S., Jr.**; 1371 West 3rd Avenue, Columbus, OH 43212 (US).

(81) AU BR CA CN IN JP KP MX ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16D 65/16, 65/74**

(11) **WO 99/54637** (13) A1

(21) PCT/EP99/02352

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) de (26) de

(30) 198 17 892.1 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACTUATOR FOR A MOTOR VEHICLE BRAKE SYSTEM
• ACTIONNEUR POUR LE SYSTEME DE FREINAGE D'UN VEHICULE AUTOMOBILE

(71) **CONTINENTAL TEVES AG & CO. OHG** [DE/DE]; Guerickestrasse 7, D–60488 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STEFFES, Helmut** [DE/DE]; Am See 22, D–65795 Hattersheim (DE).

(74) **CONTINENTAL TEVES AG & CO. OHG**; Guerickestrasse 7, D–60488 Frankfurt am Main (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **F16F 1/38, 1/387**

(11) **WO 99/54638** (13) A1

(21) PCT/US99/08732

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,187 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOUNT AND BONDED COMPONENT THEREFOR WITH SHAPE FACTOR REDUCING NOTCHES
• ATTACHE ET COMPOSANT LIE DANS LA MASSE, DESTINE A CETTE ATTACHE, ET POURVU D'ENCOCHES ATTENUANT LE COEFFICIENT DE CORRECTION

(71) **LORD CORPORATION** [US/US]; P.O. Box 8012, Cary, NC 27512–8012 (US).

(72) **DAVID, Thomas, A.**; 1508 Pasadena Drive, Erie, PA 16505 (US).

(74) **WAYLAND, Randall, S.** et al. / etc.; Lord Corporation, P.O. Box 8012, Cary, NC 27512–8012 (US).

(81) CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **F16G 5/16**

(11) **WO 99/54639** (13) A1

(21) PCT/JP99/01108

(22) **8 Mar/mar 1999 (08.03.1999)**

(25) ja (26) ja

(30) 10/107345 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BELT FOR CONTINUOUSLY VARIABLE TRANSMISSION
• COURROIE DE TRANSMISSION VARIABLE EN CONTINU

(71) **HONDA GIKEN KOGYO KABUSHIKI KAISHA** [JP/JP]; 1–1, Minami Aoyama 2–chome, Minato–ku, Tokyo 107–8556 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KANEHARA, Shigeru** [JP/JP]; Kabushiki Kaisha Honda Gijutsu Kenkyusho, 4–1, Chuo 1–chome, Wako–shi, Saitama 351–0193 (JP). **YAGASAKI, Toru** [JP/JP]; Kabushiki Kaisha Honda Gijutsu Kenkyusho, 4–1, Chuo 1–chome, Wako–shi, Saitama 351–0193 (JP).

(74) **OCHIAI, Takeshi** et al. / etc.; Nomura Fudosan Shinbashi 5–chome Building, 9–1, Shinbashi 5–chome, Minato–ku, Tokyo 105–0004 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16G 13/16**

(11) **WO 99/54640** (13) A1

(21) PCT/DE99/01140

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 298 07 063.4 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CHANNEL FOR POWER GUIDE CHAINS
• CANAL POUR CHAINES DE GUIDAGE D'ELEMENTS DE TRANSPORT D'ENERGIE

(71) **IGUS SPRITZGUSSTEILE FÜR DIE INDUSTRIE GMBH** [DE/DE]; Spicher Strasse 1a, D–51147 Köln (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLASE, Günter** [DE/DE]; Oberkülheim 10, D–51429 Bergisch Gladbach (DE).

(74) **LIPPERT, H.–J.** et al. / etc.; Frankenforster Strasse 135–137, D–51427 Bergisch Gladbach (DE).

(81) BR CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **F16G 13/16**

(11) **WO 99/54641** (13) A2

(21) PCT/DE99/01198

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 298 06 969.5 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENERGY TRANSMISSION CHAIN SYSTEM
• SYSTEME DE CHAINE DE GUIDAGE D'ELEMENTS DE TRANSPORT D'ENERGIE

(71) **IGUS SPRITZGUSSTEILE FÜR DIE INDUSTRIE GMBH** [DE/DE]; Spicher Strasse 1a, D–51147 Köln (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLASE, Günter** [DE/DE]; Oberkülheim 10, D–51429 Bergisch Gladbach (DE).

(74) **GUDAT, Axel**; Frankenforster Strasse 135–137, D–51427 Bergisch Gladbach (DE).

(81) BR CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16G 13/16**

(11) **WO 99/54642** (13) A1

(21) PCT/DE99/01199

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 298 07 064.2 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ENERGY TRANSMISSION CHAIN
• CHAINE DE GUIDAGE D'ELEMENTS DE TRANSPORT D'ENERGIE

(71) **IGUS SPRITZGUSSTEILE FÜR DIE INDUSTRIE GMBH** [DE/DE]; Spicher Strasse 1a, D–51147 Köln (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLASE, Günter** [DE/DE]; Oberkülheim 10, D–51429 Bergisch Gladbach (DE).

(74) **STACHOW, Ernst–Walther**; Frankenforster Strasse 135–137, D–51427 Bergisch Gladbach (DE).

(81) BR CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **F16G 13/16**

(11) **WO 99/54643** (13) A1

(21) PCT/EP99/02514

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 235.4 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CHAIN LINK FOR ENERGY TRANSMISSION CHAINS
• MAILLON POUR CHAINES DE GUIDAGE D'ELEMENTS DE TRANSPORT D'ENERGIE

(71) **MURRPLASTIK SYSTEM–TECHNIK GMBH** [DE/DE]; Fabrikstrasse 10, D–71567 Oppenweiler (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EHMANN, Bruno** [DE/DE]; Nelkenweg 12, D–73563 Mögglingen (DE). **FUNK, Rainer** [DE/DE]; Fohlenweg 3, D–71543 Wüstenrot (DE).

(74) **JECK, Anton**; Klingengasse 2, D–71665 Vaihingen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F16H 13/06**

(11) **WO 99/54644** (13) A1

(21) PCT/US99/08477

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,382 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NONVARIABLE OR CONTINUOUSLY VARIABLE FRICTION DRIVE
• ENTRAINEMENT A FRICTION INVARIABLE OU VARIABLE EN CONTINU

(63) US 09/064,382 (CON) 22 Apr/avr 1998 (22.04.1998)

(71, 72) **SHAFFNER, Richard, F.** [US/US]; 3038 Ferncliff Road, Charlotte, NC 28211 (US).

(74) **HILL, Donald, M., Jr.** et al. / etc.; Alston & Bird LLP, P.O. Drawer 34009, Charlotte, NC 28234–4009 (US).

(81) DE DE (Utility model / modèle d'utilité) GB JP KR US.

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(51)[6] **F16H 15/38, 55/34**

(11) **WO 99/54645** (13) A1

(21) PCT/EP99/01390

(22) **27 Feb/fév 1999 (27.02.1999)**

(25) de (26) de

(30) 198 17 955.3 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROLLER GEAR, ESPECIALLY A TOROIDAL GEAR
• ENGRENAGE A ROULEMENTS, EN PARTICULIER ENGRENAGE TOROIDAL

(71) **INA WÄLZLAGER SCHAEFFLER OHG** [DE/DE]; Industriestrasse 1 – 3, D–91074 Herzogenaurach (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DÖPPLING, Wolfgang** [DE/DE]; Hiltegundenweg 18, D–91086 Aurachtal (DE). **WINKLER, Manfred** [DE/DE]; Buchleithe 9, D–91086 Aurachtal (DE).

(81) DE JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16H 15/38, 61/38**

(11) **WO 99/54646** (13) A1

(21) PCT/GB99/00826

(22) **17 Mar/mar 1999 (17.03.1999)**

(25) en (26) en

(30) 9808622.6 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A ROLLER CONTROL UNIT FOR A CONTINUOUSLY–VARIABLE–RATIO TRANSMISSION
• UNITE DE COMMANDE DE ROULEAUX POUR TRANSMISSION A RAPPORT VARIABLE EN CONTINU

(71) **TOROTRAK (DEVELOPMENT) LIMITED** [GB/GB]; 1 Aston Way, Leyland, Lancashire PR5 3UX (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUTSON, Brian, Joseph** [GB/GB]; 76 Ullswater Road, Astley, Tyldesley, Manchester M29 7AQ (GB).

(74) **BINGHAM, Ian, Mark**; BTG International Limited, Patents Dept., 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16H 55/56, 61/00**

(11) **WO 99/54647** (13) A1

(21) PCT/CA99/00337

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 2,231,491 **16 Apr/avr 1998** CA **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REVERSIBLE DRIVEN PULLEY
• POULIE D'ENTRAINEMENT REVERSIBLE

(71) **POWERBLOC IBC CANADA INC.** [CA/CA]; 300 Labonté Street, Case Postale 908, Drummondville, Québec J2C 6X9 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHAMBERLAND, René** [CA/CA]; 2555 Cristal, Drummondville, Québec J2C 7S8 (CA).

(74) **PELLEMANS, Nicolas**; Brouillette Kosie, Suite 2500, 1100 René–Lévesque West, Montréal, Québec H3B 5C9 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F16H 61/36, B60K 20/02**

(11) **WO 99/54648** (13) A1

(21) PCT/EP99/02631

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 166.8 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GEARSHIFT LEVER UNIT
• UNITE LEVIER DE COMMANDE

(71) **FICO TRIAD** [ES/ES]; Calle de la Muntanya, E–08191 Rubi (ES).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GRAUS, Xavier Motger** [ES/ES]; Calle Casanova, 44 Ppal 1ª, E–08011 Barcelona (ES).

(74) **HESS, Peter, K.**; Bardehle, Pagenberg, Dost, Altenburg, Geissler, Isenbruck, Galileiplatz 1, D–81679 München (DE).

(81) BR IN JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16J 15/32**

(11) **WO 99/54649** (13) A1

(21) PCT/US99/08204

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/063,567 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SELF–ENERGIZING ONE PIECE SEAL
• JOINT D'ETANCHEITE D'UNE SEULE PIECE, ACTIVE AUTOMATIQUEMENT

(71) **CATERPILLAR INC.** [US/US]; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(72) **SMITH, David, P.**; 2806 Grand Prairie Drive, Joliet, IL 60438 (US).

(74) **BURROWS, J., W.** et al. / etc.; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F16K 1/32, F02M 25/07**

(11) **WO 99/54650** (13) A1

(21) PCT/JP98/01860

(22) **23 Apr/avr 1998 (23.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTROL VALVE UNIT
• VANNE DE REGULATION

(71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MIYAKE, Toshihiko** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).

(74) **MIYATA, Kaneo** et al. / etc.; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16L 11/12, H02G 3/00, 3/04**

(11) **WO 99/54651** (13) A1

(21) PCT/US99/08496

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/065,780 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/206,904 **7 Dec/déc 1998** US **(07.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR FLUID DELIVERY IN A DIALYSIS CLINIC
• SYSTEME SERVANT A TRANSPORTER DES LIQUIDES DANS UNE CLINIQUE DE DIALYSE

(71) **PARMENLO, LLC** [US/US]; 2003 Blair Boulevard, Nashville, TN 37212 (US).

(72) **RUSSELL, Richard, M.**; 1030 Waller Road, Brentwood, TN 37027 (US). **PETERSON, Michael, J.**; 39 Annandale Road, Nashville, TN 37215 (US).

(74) **LANQUIST, Edward, D., Jr.**; Waddey & Patterson, Suite 2020, NationsBank Plaza, 414 Union Street, Nashville, TN 37219 (US).

(81) AU BR CA IN MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F16L 25/00, 27/047**

(11) **WO 99/54652** (13) A1

(21) PCT/IB99/00715

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) VI98A000078 **22 Apr/avr 1998** IT **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TUBE FITTING
• RACCORD DE TUBES

(71) **FITT S.P.A.** [IT/IT]; Via Piave, 4, I–36066 Sandrigo (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MEZZALIRA, Rinaldo** [IT/IT]; Via Breganzola, 3, I–36057 Arcugnano (IT).

(74) **MAROSCIA, Antonio**; Maroscia & Associati S.r.l., Contra' Ponte S. Paolo, 14, I–36100 Vicenza (IT).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DE (Utility model / modèle d'utilité) DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F16L 58/10, 59/02, 55/033**

(11) **WO 99/54653** (13) A1

(21) PCT/GB99/00764

(22) **15 Mar/mar 1999 (15.03.1999)**

(25) en (26) en

(30) 9808288.6 **18 Apr/avr 1998** GB **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLEXIBLE PROTECTIVE SLEEVE
• GAINE DE PROTECTION FLEXIBLE

(71) **FEDERAL–MOGUL TECHNOLOGY LIMITED** [GB/GB]; Cawston House, Cawston Lane, Rugby, Warwickshire CV22 7SA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MOLLOY, John** [GB/GB]; 20 Blackshaw Drive, Walsgrave, Coventry, West Midlands CV2 2PW (GB).

(74) **DRURY, Peter, Lawrence** et al. / etc.; T & N Limited, Manchester International Office Centre, Styal Road, Manchester M22 5TN (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F16L 58/10, 59/02, 55/033**

(11) **WO 99/54654** (13) A1

(21) PCT/GB99/00771

(22) **15 Mar/mar 1999 (15.03.1999)**

(25) en (26) en

(30) 9808290.2 **18 Apr/avr 1998** GB **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLEXIBLE PROTECTIVE SLEEVE
• GAINE DE PROTECTION FLEXIBLE

(71) **FEDERAL–MOGUL TECHNOLOGY LIMITED** [GB/GB]; Cawston House, Cawston Lane, Rugby, Warwickshire CV22 7SA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DAVENPORT, Adrian, Charles** [GB/GB]; 86 Stratford Street, Coventry, West Midlands CV2 4NJ (GB). **WILLIAMS, Richard, Stuart** [GB/GB]; 16 Browning Road, Hillmorton, Rugby, Warwickshire CV21 4BT (GB).

(74) **DRURY, Peter, Lawrence** et al. / etc.; T & N Limited, Manchester International Office Centre, Styal Road, Manchester M22 5TN (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F16L 59/00**

(11) **WO 99/54655** (13) A2

(21) PCT/DE99/01186

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 469.1 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THERMAL INSULATION TO BE INSERTED BETWEEN TWO INSULATING STRUCTURES
• ISOLATION THERMIQUE A INSERER ENTRE DES STRUCTURES A ISOLER

(71) **FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Leonrodstrasse 54, D–80636 München (DE). **NABERTHERM GMBH & CO. INDUSTRIEOFENBAU KG** [DE/DE]; Bahnhofstrasse 20, D–28865 Lilienthal (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOEHM, Alexander** [DE/DE]; Klopstockstrasse 48, D–01157 Dresden (DE). **KORHAMMER, Clemens** [DE/DE]; Buntentorsteinweg 550, D–28201 Bremen (DE). **SCHOLL, Roland** [DE/DE]; Klopstockstrasse 48, D–01157 Dresden (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F17C**

(11) **WO 99/54656** (13) A2

(21) PCT/EP99/02407

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 17 324.5 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR STORING LOW–BOILING PERMANENT GASES OR GAS MIXTURES IN PRESSURISED CONTAINERS
• PROCEDE POUR STOCKER DES GAZ OU DES MELANGES GAZEUX PERMANENTS A BAS POINT D'EBULLITION DANS DES RESERVOIRS SOUS PRESSION

(71) **MESSER GRIESHEIM GMBH** [DE/DE]; Frankfurt Airport Center 1, C9, Hugo–Eckener–Ring, D–60547 Frankfurt (DE).

(72) **KESTEN, Martin**; Rothenbacher Weg 12b, D–51503 Rösrath (DE). **BAYER, Gesa**; Am Kamp 9, D–41542 Dormagen (DE).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F17C 13/02, 9/00, F02M 21/02**

(11) **WO 99/54657** (13) A1

(21) PCT/EP99/02406

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 17 448.9 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR PROVIDING A CONSUMER WITH A CRYOGENIC MEDIUM
• SYSTEME POUR ALIMENTER UN CONSOMMATEUR AVEC UN MILIEU CRYOGENIQUE

(71) **MESSER GRIESHEIM GMBH** [DE/DE]; Frankfurt Airport Center 1, C9, Hugo–Eckener–Ring, D–60547 Frankfurt (DE).

(72) **MACHEL, Michel**; Büttgener Weg 25, D–50769 Köln (DE).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F17C 13/12, F25J 1/00**

(11) **WO 99/54658** (13) A1

(21) PCT/NO99/00123

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 19981734 **17 Apr/avr 1998** NO **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS PLANT
• INSTALLATION DE TRAITEMENT

(71) **NORSK HYDRO ASA** [NO/NO]; N–0240 Oslo (NO).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OVERÅ, Sverre, Johannesen** [NO/NO]; Aspeghaugveien 10 A, N–0376 Oslo (NO). **SALATER, Per** [NO/NO]; Maridalsveien 64–6, N–0458 Oslo (NO).

(74) **HOFSETH, Svein**; Norsk Hydro ASA, N–0240 Oslo (NO).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F21V 21/22, 21/26**

(11) **WO 99/54659** (13) A1

(21) PCT/DK99/00216

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) da (26) en

(30) 0539/98 **20 Apr/avr 1998** DK **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANGULARLY ADJUSTABLE JOINT
• JOINT REGLABLE DE MANIERE ANGULAIRE

(71, 72) **FRANDSEN, Benny** [DK/DK]; Nørregade 54, DK–8660 Skanderborg (DK).

(74) **K. SKØTT–JENSEN PATENTINGENIØRER A/S**; Lemmingvej 225, DK–8361 Hasselager (DK).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F23C 3/00, F23D 14/12**

(11) **WO 99/54660** (13) A1

(21) PCT/HU99/00028

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) P 98 00902 **17 Apr/avr 1998** HU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MODULAR CERAMIC COMBUSTION REACTOR
• REACTEUR DE COMBUSTION CERAMIQUE MODULAIRE

(71) **REACTOR COMBUSTION WORLD ORGANISATION S.A.** [MC/MC]; Le Continental, Boulevard des Moulins, MC–98000 Monte–Carlo (MC).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **INOVIUS, Allan** [SE/HU]; Váci út 42. V. em. 17, H–1132 Budapest (HU). **INOVIUS, Carlo, P., A.** [SE/HU]; Váci út 42. V. em. 17., H–1132 Budapest (HU). **INOVIUS, Lili, Madeleine** [SE/HU]; Váci út 42. V. em. 17., H–1132 Budapest (HU).

(74) **S.B.G.& K. PATENT AND LAW OFFICES**; Andrássy út 113, H–1062 Budapest (HU).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F23D 11/36**

(11) **WO 99/54661** (13) A1

(21) PCT/US99/08336

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,911 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LIGHTER HAVING GUARD MEMBER AND BLOCKING MEMBERS
• BRIQUET MUNI D'UN ELEMENT DE PROTECTION ET D'ELEMENTS DE BLOCAGE

(71) **BIC CORPORATION** [US/US]; 500 Bic Drive, Milford, CT 06460 (US).

(72) **DOUCET, Michel, J., M.**; La Croix Verte, F–35600 Bain sur Ouste (FR). **FRIGIERE, René, D.**; Le Plessis Rivault, F–56350 Allaire (FR).

(74) **MARSHALL, Jonathan, A.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F23G 5/027, 5/16**

(11) **WO 99/54662** (13) A1

(21) PCT/HU99/00029

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) P 98 00898 **17 Apr/avr 1998** HU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR THE PREVENTION OF GLOBAL WARMING, THROUGH ELIMINATION OF HAZARDOUS EXHAUST GASES OF WASTE AND/OR FUEL BURNERS
• PROCEDE ET APPAREIL DESTINES A LA PREVENTION DU RECHAUFFEMENT DE LA PLANETE PAR L'ELIMINATION DES GAZ D'ECHAPPEMENT NOCIFS PROVENANT DES BRULEURS ET DES INCINERATEURS

(71) **REACTOR COMBUSTION WORLD ORGANISATION S.A.** [MC/MC]; Le Continental, Boulevard des Moulins, MC–98000 Monte–Carlo (MC).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **INOVIUS, Allan** [SE/HU]; Váci út 42. V. em. 17, H–1132 Budapest (HU). **INOVIUS, Carlo, P., A.** [SE/HU]; Váci út 42. V. em. 17, H–1132 Budapest (HU). **INOVIUS, Lili, Madeleine** [SE/HU]; Váci út 42. V. em. 17, H–1132 Budapest (HU).

(74) **S.B.G. & K. Patent and Law Offices**; Andrássy út 113, H–1062 Budapest (HU).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F24C 7/02, G06F 12/00, G11B 20/10, H04N 5/93**

(11) **WO 99/54663** (13) A1

(21) PCT/JP98/01772

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REPRODUCING DEVICE
• DISPOSITIF DE REPRODUCTION

(71) **HAGIWARA SYS–COM CO., LTD.** [JP/JP]; 2–4–3, Nishiki, Naka–ku, Nagoya–shi, Aichi 460–0003 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OKAMOTO, Shinken** [JP/JP]; 38–22, Matsunami, Akebono–cho, Toyohashi–shi, Aichi 441–8151 (JP). **TAKAHASHI, Isamu** [JP/JP]; 177–4, Hongo, Tokushige, Nishiharu–cho, Nishikasugai–gun, Aichi 481–0038 (JP).

(74) **OKADA, Hidehiko** et al. / etc.; Nagoya Chamber of Commerce & Industry Building, 10–19, Sakae 2–chome, Naka–ku, Nagoya–shi, Aichi 460–0008 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F24C 7/02**

(11) **WO 99/54664** (13) A1

(21) PCT/JP99/02016

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/108323 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DATA TRANSMITTER, DATA RECEIVER, RULE COMMUNICATION DEVICE, RULE COMMUNICATION METHOD, AND PROGRAM RECORDING MEDIUM
• EMETTEUR POUR LA TRANSMISSION DE DONNEES, RECEPTEUR DE DONNEES, DISPOSITIF DE TRANSMISSION DE REGLES, PROCEDE DE TRANSMISSION DE REGLES, ET SUPPORT D'ENREGISTREMENT DE PROGRAMMES

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OZAWA, Jun** [JP/JP]; 3810–2–506, Oobuchichou, Nara–shi, Nara 631–0005 (JP). **KUTSUMI, Hiroshi** [JP/JP]; 1–4–31, Nishikidori, Terakata, Moriguchi–shi, Osaka 570–0042 (JP). **IMANAKA, Takeshi** [JP/JP]; 3–15–21–305, Tomiokita, Nara–shi, Nara 631–0076 (JP). **MATSUURA, Satoshi** [JP/JP]; 5–3–15, Yamasaka, Higashisumiyoshi–ku, Osaka–shi, Osaka 546–0035 (JP).

(74) **MATSUDA, Masamichi**; Shin–Osaka Ikushima Building, 1–3, Miyahara 5–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0003 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F24D 10/00, F28F 9/00**

(11) **WO 99/54665** (13) A1

(21) PCT/SE99/00641

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) sv (26) en

(30) 9801371–7 **20 Apr/avr 1998 (20.04.1998)** SE

(30) 9801372–5 **20 Apr/avr 1998 (20.04.1998)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HEAT TRANSFERRING DEVICE
• DISPOSITIF DE TRANSFERT DE CHALEUR

(71) **SUNDSVALL ENERGI AB** [SE/SE]; P.O. Box 823, S–851 23 Sundsvall (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ULLBERG, Sören** [SE/SE]; Hullsjövägen 237, S–860 13 Stöde (SE).

(74) **BERGSTRÖM, Erik**; Dr. Ludwig Brann Patentbyrå AB, P.O. Box 17192, S–104 62 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **F24D 19/08, F24H 9/12**

(11) **WO 99/54666** (13) A1

(21) PCT/EP99/02583

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 106.4 **17 Apr/avr 1998 (17.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BLEEDER HEAD AND CLOSING HEAD FOR RADIATORS
• TETE DE PURGE ET TETE DE FERMETURE

(71) **N.V. VASCO** [BE/BE]; Kruishoefstraat 50, B–3650 Dilsen–Stokkem (BE).

(72) **VAESSEN, Jos**; 1–Meilaan, 12, B–3650 Dilsen–Stokkem (BE).

(74) **COHAUSZ, H., B.**; Schumannstrasse 97–99, D–40237 Düsseldorf (DE).

(81) JP PL; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **F24F 3/14, F24H 4/02**

(11) **WO 99/54667** (13) A1

(21) PCT/NL99/00229

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) nl (26) en

(30) 1008947 **21 Apr/avr 1998 (21.04.1998)** NL

(30) 1010959 **5 Jan/jan 1999 (05.01.1999)** NL

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR TREATING A MOIST GAS STREAM
• PROCEDE DE TRAITEMENT D'UNE VEINE GAZEUSE MOUILLEE

(71) **GASTEC N.V.** [NL/NL]; Wilmersdorf 50, NL–7327 AC Apeldoorn (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JANSEN, Cornelis** [NL/NL]; Wendenlaan 5, NL–7315 DP Apeldoorn (NL). **VAN YPEREN, Renee** [NL/NL]; Zonnedauw 7, NL–6961 PL Eerbeek (NL).

(74) **OTTEVANGERS, S., U.**; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL–2587 BN The Hague (NL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F24H 9/20, F16K 31/32, 31/56**

(11) **WO 99/54668** (13) A1

(21) PCT/AU99/00301

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) PP 3096 **22 Apr/avr 1998 (22.04.1998)** AU

(30) PP 4986 **3 Aug/août 1998 (03.08.1998)** AU

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DOMESTIC HOT WATER SERVICE INLET SHUT OFF VALVE TRIGGERED BY FLUID LEVEL IN OVERFLOW TRAY
• VANNE D'ARRET D'ALIMENTATION EN EAU CHAUDE SANITAIRE DECLENCHEE PAR LE NIVEAU DE FLUIDE DANS LE COLLECTEUR DE TROP–PLEIN

(71, 72) **NIXON, Adrian, John** [AU/AU]; 52 Parkers Road, Parkdale, VIC 3195 (AU). **HAIR, David, Thomas** [AU/AU]; Denmar Street, Albury, NSW 2640 (AU).

(74) **GRIFFITH HACK**; P.O. Box 3125, Brisbane, QLD 4001 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F24J 2/04**

(11) **WO 99/54669** (13) A1

(21) PCT/CH99/00158

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 98810343.8 **20 Apr/avr 1998 (20.04.1998)** EP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLAR CELL WITH A SOLAR COLLECTOR AND STORAGE ELEMENTS
• CELLULE SOLAIRE COMPORTANT UN COLLECTEUR SOLAIRE ET DES ELEMENTS ACCUMULATEURS

(71) **GIUSEPPE FENT ARCHITEKTURBÜRO** [CH/CH]; Rudenzburg, CH–9500 Wil (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FENT, Giuseppe** [CH/CH]; Grubstrasse 13, CH–9515 Hosenruck (CH). **DE FRIES, Jan, Richard** [CH/CH]; Röslistrasse 15a, CH–8304 Wallisellen (CH).

(74) **PPS POLYVALENT PATENT SERVICE AG**; Waldrütistrasse 21, CH–8954 Geroldswil (CH).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE GH HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F24J 2/04, E04C 2/52**

(11) **WO 99/54670** (13) A1

(21) PCT/EP99/02503

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 16 980.9 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONSTRUCTION ELEMENT FOR A ROOF OR A WALL OF A BUILDING AND METHOD FOR PRODUCING AN ELEMENT OF THIS TYPE
• ELEMENT DE CONSTRUCTION POUR UN TOIT OU UN MUR D'UNE CONSTRUCTION, ET SON PROCEDE DE FABRICATION

(71) **D.D.C. PLANUNGS–, ENTWICKLUNGS– UND MANAGEMENT AG** [DE/DE]; Bockenheimer Landstrasse 70, D–60323 Frankfurt (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LÜTZE, Günter, W.** [DE/CH]; Via San Carlo, 8, CH–6603 Muralto (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F24J 2/26, 2/51**

(11) **WO 99/54671** (13) A1

(21) PCT/FR99/00853

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) fr (26) fr

(30) 98/05038 **22 Apr/avr 1998** FR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLAR CELL PANEL AND SOLAR ENERGY COLLECTING DEVICE
• PANNEAU SOLAIRE ET DISPOSITIF DE COLLECTE D'ENERGIE SOLAIRE

(71) **TOUTENKAMION** [FR/FR]; Route de Bellegarde, R.N. 60, F–45270 Ladon (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GIRERD, Stéphane** [FR/FR]; 18, faubourg de Bellegarde, F–45260 Lorris (FR).

(74) **PONTET, Bernard** et al. / etc.; Pontet Allano & Associés S.E.L.A.R.L., Parc–Club Orsay–Université, 25, rue Jean Rostand, F–91893 Orsay Cedex (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F25B 39/04, B60H 1/32**

(11) **WO 99/54672** (13) A1

(21) PCT/FR99/00924

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) fr (26) fr

(30) 98/04922 **20 Apr/avr 1998** FR **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AIR CONDITIONING CONDENSER COMPRISING A RESERVOIR MOUNTED ON A BASE
• CONDENSEUR DE CLIMATISATION COMPRENANT UN RESERVOIR MONTE SUR UNE EMBASE

(71) **VALEO THERMIQUE MOTEUR** [FR/FR]; 8, rue Louis–Lormand, F–78321 La Verrière (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GILLE, Gérard** [FR/FR]; 97, rue M. Robespierre, F–91550 Paray Vieille Poste (FR). **HU, Zaiqian** [CN/FR]; 1, place Pierre Bérégovoy, F–78280 Guyancourt (FR).

(74) **RUIS, Alain**; Valeo Management Services, Propriété Industrielle, 2, rue André Boulle, Boîte postale 150, F–94017 Créteil (FR).

(81) BR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F25J 3/02, 3/04**

(11) **WO 99/54673** (13) A1

(21) PCT/FR99/00931

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) fr (26) fr

(30) 98/04972 **21 Apr/avr 1998** FR **(21.04.1998)**

(30) 98/16245 **22 Dec/déc 1998** FR **(22.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND INSTALLATION FOR AIR DISTILLATION WITH PRODUCTION OF ARGON
• PROCEDE ET INSTALLATION DE DISTILLATION D'AIR AVEC PRODUCTION D'ARGON

(71) **L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE** [FR/FR]; 75, quai d'Orsay, F–75321 Paris Cedex 07 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DE BUSSY, François** [FR/FR]; 1, rue Montgallet, F–75012 Paris (FR). **STAINE, Frédéric** [FR/FR]; 26, rue du 8 Mai 1945, F–94510 La Queue en Brie (FR). **SAULNIER, Bernard** [FR/FR]; 25, rue René Légé, F–92700 Colombes (FR).

(74) **L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE**; 75, quai d'Orsay, F–75321 Paris Cedex 07 (FR).

(81) AU BR JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **F26B 17/32, 11/04**

(11) **WO 99/54674** (13) A1

(21) PCT/FI99/00310

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fi (26) en

(30) 980859 **17 Apr/avr 1998** FI **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STEAM DRYER
• SECHOIR A VAPEUR

(71) **KUMERA CORPORATION** [FI/FI]; Paalukatu 2, FIN–11100 Riihimäki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RÄSÄNEN, Eino** [FI/FI]; Atomikatu 6 A 2, FIN–33720 Tampere (FI). **TIITU, Olli** [FI/FI]; Einonkuja 5, FIN–39700 Parkano (FI).

(74) **FORSSÉN & SALOMAA OY**; Yrjönkatu 30, FIN–00100 Helsinki (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **F28D 7/02**

(11) **WO 99/54675** (13) A2

(21) PCT/US99/08816

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,603 **21 Apr/avr 1998 (21.04.1998)** US

(30) 09/108,710 **1 Jul/juil 1998 (01.07.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIPHASE HEAT EXCHANGER
• ECHANGEUR THERMIQUE POLYPHASE

(71) **VITA INTERNATIONAL, INC.** [US/US]; 12050 Proctor, Houston, TX 77038 (US).

(72) **BODHAINE, James**; 15003 Park Creek Court, Houston, TX 77070 (US). **HASSANEIN, Hany, E.**; 14150 Tomball Parkway #208, Houston, TX 77086 (US).

(74) **SEAL, Cynthia, G.** et al. / etc.; Streets & Associates, P.O. Box 1612, Cypress, TX 77410–1612 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **F42B**

(11) **WO 99/54676** (13) A2

(21) PCT/US99/06889

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 60/079,853 **30 Mar/mar 1998 (30.03.1998)** US

(30) 60/095,805 **7 Aug/août 1998 (07.08.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRECISION PYROTECHNIC DISPLAY SYSTEM AND METHOD HAVING INCREASED SAFETY AND TIMING ACCURACY
• SYSTEME ET PROCEDE DE PRESENTATION PYROTECHNIQUE DE PRECISION A SECURITE ET PRECISION DE SYNCHRONISATION ACCRUES

(71) **MAGICFIRE, INC.** [US/US]; Water Street Mill, 13 Water Street, Holliston, MA 01746 (US).

(72) **BOSSARTE, George**; 353 Broadway, Cambridge, MA 02139 (US). **DILLON, Glenn, W.**; 57 Forest Street, Upton, MA 01568 (US). **McKINLEY, Paul, R.**; 2 Oakland Terrace, Natick, MA 01760 (US). **HASSE, Wayne, C.**; 22 Duggan Road, Acton, MA 01720 (US). **NELSON, Larry, G.**; 130 School Street, Webster, MA 01570 (US).

(74) **PANDISCIO, Mark, J.**; Pandiscio & Pandiscio, 470 Totten Pond Road, Waltham, MA 02451–1914 (US).

(81) AU BR CA CN JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01B 9/02**

(11) **WO 99/54677** (13) A1

(21) PCT/SG98/00029

(22) **16 Apr/avr 1998 (16.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A PHASE SHIFTING INTERFEROMETER
• INTERFEROMETRE DEPHASEUR

(71) **SONY PRECISION ENGINEERING CENTER (S) PTE. LTD.** [SG/SG]; 52 Tuas Avenue 9, Singapore 639193 (SG). **SONY CORPORATION** [JP/JP]; 6–7–35, Kitashinagawa, Shinagawa–ku, Tokyo 141–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HUNG, Kai, Man** [CN/SG]; Block 236, 5 Bukit Batok East Avenue #10–145, Singapore 650236 (SG). **UEDA, Hiroyuki** [JP/JP]; C–1005, 131–10, Horiguchi Kanazawa–Ward, Yokohama–City 236 (JP). **YAMADA, Takatoshi** [JP/JP]; 8–3–22–103, Gumizawa Totsuka–Ward, Yokohama–City 245 (JP).

(74) **MCCALLUM, Graeme, David**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **G01B 11/00, G01D 5/36**

(11) **WO 99/54678** (13) A1

(21) PCT/JP98/01756

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POSITION SENSOR
• DETECTEUR DE POSITION

(71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SATO, Yoshimitsu** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **MIZUTANI, Takao** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **SAKUMA, Hirokazu** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **OKAMURO, Takashi** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **OUMURA, Youichi** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **NAKAJIMA, Toshirou** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).

(74) **MIYATA, Kaneo** et al. / etc.; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).

(81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01B 11/02, G01N 21/35**

(11) **WO 99/54679** (13) A1

(21) PCT/US99/08721

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,639 **21 Apr/avr 1998 (21.04.1998)** US

(30) 09/294,247 **19 Apr/avr 1999 (19.04.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NON–DESTRUCTIVE ANALYSIS OF A SEMICONDUCTOR USING REFLECTANCE SPECTROMETRY
• ANALYSE NON–DESTRUCTIVE DE SEMI–CONDUCTEUR PAR SPECTROMETRIE PAR REFLECTANCE

(71, 72) **CHERKASSKY, Alexander, P.** [US/US]; Apartment N, 20408 Shore Harbor Drive, Germantown, MD 20874 (US).

(74) **TAGLIAFERRI, Daniel, D.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111–3834 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01B 21/04, 7/012, B23Q 16/08, 3/155**

(11) **WO 99/54680** (13) A1

(21) PCT/IB99/00682

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,131 **17 Apr/avr 1998 (17.04.1998)** US

(30) 09/199,190 **25 Nov/nov 1998 (25.11.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COORDINATE POSITIONING APPARATUS WITH INDEXABLE STYLUS, COMPONENTS THEREOF, AND METHOD OF USING IT
• APPAREIL DE POSITIONNEMENT PAR COORDONNEES AVEC COMPOSANTS DE STYLET INDEXABLES ET SA METHODE D'UTILISATION

(71) **ELECTRONIC MEASURING DEVICES, INC.** [US/US]; 199 Route 46 East, Budd Lake, NJ 07828 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ULBRICH, Klaus** [US/US]; 4 Main Street, Flanders, NJ 07836 (US).

(74) **DeGRANDI, Joseph, A.** et al. / etc.; Suite 800, 1850 M Street, N.W., Washington, DC 20036 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01C 5/00, 9/00**

(11) **WO 99/54681** (13) A1

(21) PCT/US99/08820

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,877 **21 Apr/avr 1998 (21.04.1998)** US

(30) 09/234,582 **21 Jan/jan 1999 (21.01.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REFERENCE LASER PROJECTOR WITH OPTIONAL SELF–LEVELING MODE
• PROJECTEUR DE LASER DE REFERENCE POUVANT FONCTIONNER EN MODE D'AUTO–NIVELLEMENT FACULTATIF

(71, 72) **RANDO, Joseph, F.** [US/US]; 13838 Templeton Place, Los Altos Hills, CA 94022 (US).

(74) **FREIBURGER, Thomas, M.**; 25th floor, 650 California Street, San Francisco, CA 94108 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01C 19/20**

(11) **WO 99/54682** (13) A1

(21) PCT/EP99/02164

(22) **29 Mar/mar 1999 (29.03.1999)**

(25) en (26) en

(30) 198 16 924.8 **16 Apr/avr 1998 (16.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRICALLY DRIVEN FLOATING GYROCOMPASS
• GYROCOMPAS FLOTTANT A FONCTIONNEMENT ELECTRIQUE

(71) **C. PLATH** [DE/DE]; Steinstückstraße 1–3, D–22081 Hamburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAHN, Armin** [DE/DE]; Esteburgring 1B, D–21635 Jork (DE).

(74) **HOFFMANN, Jörg, Peter**; Müller & Hoffmann, Innere–Wiener–Strasse 17, D–81667 München (DE).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01D**

(11) **WO 99/54683** (13) A2

(21) PCT/SE99/00671

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 9801466–5 **23 Apr/avr 1998 (23.04.1998)** SE

(30) 9802136–3 **12 Jun/juin 1998 (12.06.1998)** SE

(30) 9803696–5 **26 Oct/oct 1998 (26.10.1998)** SE

(30) 9900329–5 **31 Jan/jan 1999 (31.01.1999)** SE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A SHORT OPTICAL ENCODER
• CODEUR OPTIQUE DE FAIBLE LONGUEUR

(71) **STRIDSBERG INNOVATION AB** [SE/SE]; Tanneforsvägen 14, S–122 47 Enskede (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STRIDSBERG, Lennart** [SE/SE]; Tanneforsvägen 14, S–122 47 Enskede (SE).

(74) **LINDÉN, Stefan** et al. / etc.; Bergenstråhle & Lindvall AB, P.O. Box 17704, S–118 93 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01D 5/14, G01B 7/30**

(11) **WO 99/54684** (13) A1

(21) PCT/DE99/00663

(22) **11 Mar/mar 1999 (11.03.1999)**

(25) de (26) de

(30) 198 17 356.3 **18 Apr/avr 1998 (18.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANGLE SENSOR AND A METHOD FOR DETERMINING AN ANGLE
• CAPTEUR ANGULAIRE ET PROCEDE DE DETERMINATION D'UN ANGLE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARX, Klaus** [DE/DE]; Oesterfeldstrasse 62, D–70563 Stuttgart (DE). **JOST, Franz** [DE/DE]; Schoenbuchstrasse 30B, D–70565 Stuttgart (DE).

(81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01D 5/14**

(11) **WO 99/54685** (13) A1

(21) PCT/US99/08144

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/064,289 **22 Apr/avr 1998 (22.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WIEGAND EFFECT LINEAR POSITION SENSOR
• DETECTEUR DE POSITION LINEAIRE A EFFET WIEGAND

(71) **HID CORPORATION** [US/US]; 9292 Jeronimo Road, Irvine, CA 92618–1905 (US).

(72) **DLUGOS, David, J.**; 756 Burton Road, Beacon Falls, CT 06403 (US).

(74) **McAULAY, Lloyd**; McAulay Nissen Goldberg Kiel & Hand, LLP, 261 Madison Avenue, New York, NY 10016 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01D 5/20, G01B 7/30, 7/00**

(11) **WO 99/54686** (13) A1

(21) PCT/DE99/01135

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 16 936.1 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTENNA–TRANSPONDER ARRANGEMENT FOR TRANSPORTING ENERGY AND MEASURING ANGLES
• ENSEMBLE ANTENNE–TRANSPONDEUR POUR LE TRANSPORT D'ENERGIE ET LA MESURE D'ANGLES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GLEHR, Manfred** [AT/DE]; Sudetenstrasse 38, D–93073 Neutraubling (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01D 5/20, G01B 7/02, 7/04**

(11) **WO 99/54687** (13) A1

(21) PCT/FR99/00873

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) fr (26) fr

(30) 98/05041 **16 Apr/avr 1998** FR **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR INCREMENTAL MEASUREMENT OF POSITION
• DISPOSITIF DE MESURE INCREMENTALE DE POSITION

(71, 72) **BAZENET, Jean–Pierre** [FR/FR]; 20, rue Paul Doumer, F–69160 Tassin (FR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01D 5/34**

(11) **WO 99/54688** (13) A1

(21) PCT/US98/22234

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(30) 09/061,935 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AXIAL LED POSITION DETECTOR FOR DETERMINING THE ANGULAR POSITION OF A ROTATABLE ELEMENT
• DETECTEUR DE POSITION A DEL AXIALE PERMETTANT DE DETERMINER LA POSITION ANGULAIRE D'UN ELEMENT ROTATIF

(71) **CAMBRIDGE TECHNOLOGY, INC.** [US/US]; 109 Smith Place, Cambridge, MA 02138 (US).

(72) **IVERS, Richard, J.**; Cambridge Technology, Inc., 109 Smith Place, Cambridge, MA 02138 (US).

(74) **COHEN, Jerry** et al. / etc.; Perkins, Smith & Cohen, LLP, One Beacon Street, Boston, MA 02108 (US).

(81) CN IL JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01F 1/34**

(11) **WO 99/54689** (13) A1

(21) PCT/JP99/01917

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) ja (26) ja

(30) 10/122737 **17 Apr/avr 1998** JP **(17.04.1998)**

(30) 10/218668 **17 Jul/juil 1998** JP **(17.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF MANUFACTURING COMPOSITE FLOW SENSOR AND CAPACITIVE MICROFLOW SENSOR
• PROCEDE DE FABRICATION D'UN CAPTEUR DE FLUX COMPOSITE ET D'UN CAPTEUR DE MICROFLUX CAPACITIF

(71) **ZEXEL CORPORATION** [JP/JP]; 6–7, Shibuya 3–chome, Shibuya–ku, Tokyo 150–8360 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NOTTMEYER, Kay** [DE/DE]; Zexel Corporation, Ihmepassage 4, D–30449 Hannover (DE). **BERBERIG, Oliver** [DE/DE]; Zexel Corporation, Ihmepassage 4, D–30449 Hannover (DE). **KANAI, Yoshitaka** [JP/JP]; Zexel Corporation, Higashi–matsuyama Plant, 13–26, Yakyu–cho 3–chome, Higashi–matsuyama–shi, Saitama 355–8603 (JP). **AMEMORI, Masanori** [JP/JP]; Zexel Corporation, Higashi–matsuyama Plant, 13–26, Yakyu–cho 3–chome, Higashi–matsuyama–shi, Saitama 355–8603 (JP). **MIZUNO, Jun** [JP/JP]; Zexel Corporation, Higashi–matsuyama Plant, 13–26, Yakyu–cho 3–chome, Higashi–matsuyama–shi, Saitama 355–8603 (JP).

(74) **ABIKO, Tsutomu**; Room 703, Paredoru–Nihonbashi, 6–3, Nihonbashi–Horidome–cho 1–chome, Chuo–ku, Tokyo 103–0012 (JP).

(81) DE US.

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(51)[6] **G01F 11/28, B65D 47/00**

(11) **WO 99/54690** (13) A1

(21) PCT/US99/08590

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,467 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEASURING DISPENSING CAP
• COUVERCLE DE DISTRIBUTION MESUREE

(71, 72) **ROBBINS, Edward, S., III** [US/US]; 128 Hazelwood Lane, Florence, AL 35630 (US).

(72) **WALKER, Don, B.**; 33822 Country Road 8, Florence, AL 35634 (US). **RANEY, Harry, L.**; 270 Moore Road, Russellville, AL 35653 (US). **SWANN, Joseph, B.**; 2380 Country Road 16, Florence, AL 35633 (US).

(74) **RICHARDSON, A., James**; Locke Reynolds Boyd & Weisell, 201 North Illinois Street, 1000 Capital Center South, Indianapolis, IN 46204 (US).

(81) AL AM AU BA BB BG BR CA CN CU CZ EE FI GE HR HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01G 13/06, 13/295**

(11) **WO 99/54691** (13) A1

(21) PCT/NZ99/00046

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 329221 **17 Apr/avr 1998** NZ **(17.04.1998)**

(30) 333759 **15 Jan/jan 1999** NZ **(15.01.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR WEIGHT CONTROLLED PORTIONING OF FLOWABLE MATERIALS
• PROCEDE ET APPAREIL DE DISTRIBUTION EN PORTIONS DE MATIERES FLUIDES D'UN POIDS DETERMINE

(71) **BLUE BOY INTERNATIONAL LIMITED** [NZ/NZ]; 12 Chelsea Place, Chartwell, Hamilton 2001 (NZ).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **McEWAN, John** [FJ/NZ]; 12 Chelsea Place, Chartwell, Hamilton 2001 (NZ). **COOK, Bernard, Brian** [NZ/NZ]; 34 Summerfield Lane, Tamahere, Hamilton 2015 (NZ). **FRIEDRICH, Werner, Eugen** [DE/NZ]; 7 Standish Place, Glenfield, Auckland 1310 (NZ). **LIM, Peng, Keong** [MY/NZ]; 23 Mulgan Street, Blockhouse Bay, Auckland 1007 (NZ).

(74) **SIMS, Anthony, W.** et al. / etc.; 29 Clarence Street, P.O. Box 759, Hamilton 2001 (NZ).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01J**

(11) **WO 99/54692** (13) A2

(21) PCT/US99/07905

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 60/081,657 **14 Apr/avr 1998 (14.04.1998)** US

(30) Not furnished / non communiqué **9 Apr/avr 1999 (09.04.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH SPEED INFRARED RADIATION THERMOMETER, SYSTEM, AND METHOD
• THERMOMETRE A RAYONNEMENT INFRAROUGE GRANDE VITESSE, SYSTEME ET PROCEDE

(71) **ADVANCED FUEL RESEARCH, INC.** [US/US]; 87 Church Street, P.O. Box 380379, East Hartford, CT 06138–0379 (US).

(72) **MARKHAM, James, R.**; 100 West Street, Middlefield, CT (US).

(74) **DORMAN, Ira, S.**; Suite 200, 330 Roberts Street, East Hartford, CT 06108 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN; AP (GH GM KE LS MW SD SL SZ UG ZW); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01J 1/04**

(11) **WO 99/54693** (13) A1

(21) PCT/FR99/00917

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) fr (26) fr

(30) 98/04910 **20 Apr/avr 1998 (20.04.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR MEASURING LUMINANCE CHARACTERISTICS OF OBJECTS, IN PARTICULAR OBJECTS WITH LUMINANCE DEPENDENT ON EMITTING DIRECTION
• SYSTEME DE MESURE DES CARACTERISTIQUES DE LUMINANCE D'OBJETS, NOTAMMENT D'OBJETS A LUMINANCE DEPENDANTE DE LA DIRECTION D'EMISSION

(71) **ELDIM** [FR/FR]; 1185, rue d'Epron, F–14200 Herouville Saint Clair (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEROUX, Thierry** [FR/FR]; 7, Domaine de la Coqueraine, F–14150 Ouistreham (FR).

(74) **DU BOISBAUDRY, Dominique**; Société de Protection des Inventions, 25, rue de Ponthieu, F–75008 Paris (FR).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01J 3/00, 3/44**

(11) **WO 99/54694** (13) A1

(21) PCT/US99/08894

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,203 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/064,966 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,245 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,006 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,359 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/064,793 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/064,957 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,680 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/064,991 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,257 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,307 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,274 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/064,970 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,247 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/064,965 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,195 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,362 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/064,972 **23 Apr/avr 1998 (23.04.1998)** US

(30) 09/065,358 **23 Apr/avr 1998 (23.04.1998)** US

(30) Not furnished / non communiqué **12 Apr/avr 1999 (12.04.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR MONITORING PLASMA PROCESSING OPERATIONS
• PROCEDE ET DISPOSITIF DE SURVEILLANCE DES OPERATIONS DE TRAITEMENT AU PLASMA

(71) **SANDIA CORPORATION** [US/US]; P.O. Box 5800, Mail Stop 0161, Albuquerque, NM 87185–0161 (US).

(72) **SMITH, Michael, Lane, Jr.**; 10506 Morning Star Drive, N.E., Albuquerque, NM 87111 (US). **STEVENSON, Joel, O'Don**; 6000 Cortaderia, N.E. #1108, Albuquerque, NM 87111 (US). **WARD, Pamela, Denise, Peardon**; 696 Buckboard Road, S.E., Rio Rancho, NM 87124 (US).

(74) **JOHNSON, James, L.** et al. / etc.; Holme Roberts & Owen LLP, Suite 4100, 1700 Lincoln Street, Denver, CO 80203–4541 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01J 5/60**

(11) **WO 99/54695** (13) A1

(21) PCT/FI99/00311

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fi (26) en

(30) 980850 **17 Apr/avr 1998 (17.04.1998)** FI

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR IMAGING MEASUREMENTS AND USE OF

MEASURED INFORMATION IN PROCESS CONTROL

- PROCEDE ET DISPOSITIF DE MESURE PAR IMAGERIE, ET UTILISATION D'INFORMATIONS MESUREES POUR LA COMMANDE DE PROCESSUS

(71, 72) **VATTULAINEN, Juha** [FI/FI]; Rantaniitynkuja 3, FIN–36200 Kangasala (FI).

(72, 75) **TENHUNEN, Jussi** [FI/FI]; Tiedonkaari 1 C 15, FIN–90570 Oulu (FI).

(74) **TURUN PATENTTITOIMISTO OY**; P.O. Box 99, FIN–20521 Turku (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01K 17/04, 7/00, 17/00**

(11) **WO 99/54696** (13) A1

(21) PCT/EP99/02588

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 786.0 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MICROCALORIMETER
- MICROCALORIMETRE

(71) **CSP CRYOGENIC SPECTROMETERS GMBH** [DE/DE]; Bahnhofstrasse 18a, D–85737 Ismaning (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VON FEILITZSCH, Franz** [DE/DE]; Untermberg 2, D–83674 Gaißach (DE). **HÖHNE, Jens** [DE/DE]; Untere Johannisstrasse 2, D–81667 München (DE). **JOCHUM, Josef** [DE/DE]; Lehrer–Stieglitz–Strasse 14, D–85748 Garching (DE). **SCHNAGL, Johann** [DE/DE]; Watzmannring 23, D–85748 Garching (DE).

(74) **WINTER, BRANDL & PARTNER**; Alois–Steinecker–Strasse 22, D–85354 Freising (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01L 3/10**

(11) **WO 99/54697** (13) A2

(21) PCT/DE99/01126

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 886.7 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR DETECTING TORQUE ACTING UPON A SHAFT
- DISPOSITIF POUR DETECTER LE COUPLE AGISSANT SUR UN ARBRE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARX, Klaus** [DE/DE]; Oesterfeldstrasse 62, D–70563 Stuttgart (DE). **JOST, Franz** [DE/DE]; Schoenbuchstrasse 30B, D–70565 Stuttgart (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01M**

(11) **WO 99/54698** (13) A2

(21) PCT/DE99/01113

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 137.4 **17 Apr/avr 1998** DE **(17.04.1998)**

(30) 198 34 972.6 **3 Aug/août 1998** DE **(03.08.1998)**

(30) 198 55 874.0 **3 Dec/déc 1998** DE **(03.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR CONFIGURING AND CONDUCTING TEST PROCESSES
- SYSTEME ET PROCEDE DE PROJECTION ET D'EXECUTION DE PROCESSUS DE CONTROLE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HARTMANN, Doris** [DE/DE]; Gartenstrasse 6, D–96163 Gundelsheim (DE). **KACEM, Sofiane** [TN/DE]; Leinbühlstrasse 16, D–90475 Nürnberg (DE). **KRÄMER, Rolf** [DE/DE]; Dr. Wilhelm–Schaeffler–Strasse 51, D–91074 Herzogenaurach (DE). **MAIER, Karl–Heinz** [DE/DE]; Kesslerstrasse 12, D–90489 Nürnberg (DE). **PLEWINSKI, Nicolai** [DE/DE]; Laufer Weg 96, D–90552 Röthenbach (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01M 3/02, 3/28**

(11) **WO 99/54699** (13) A1

(21) PCT/GB99/01139

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 9808138.3 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PIPE TESTING APPARATUS
- VERIFICATEUR DE TUBES

(71) **CULLODEN ENGINEERING LIMITED** [GB/GB]; Unit One, Bankhead Industrial Estate, Aberdeen AB21 9ET (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RITCHIE, Sandy** [GB/GB]; Unit One, Bankhead Industrial Estate, Aberdeen AB21 9ET (GB). **HORN, John** [GB/GB]; Unit One, Bankhead Industrial Estate, Aberdeen AB21 9ET (GB).

(74) **KENNEDY & CO.**; Station House, 34 St. Enoch Square, Glasgow G1 4DF (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01M 3/04, G01N 21/35, G01M 3/38, G01V 9/00**

(11) **WO 99/54700** (13) A2

(21) PCT/CA99/00315

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,634 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INFRARED REMOTE MONITORING SYSTEM FOR LEAK
- SYSTEME DE TELESURVEILLANCE A INFRAROUGE POUR DETECTER DES FUITES

(71, 72) **REKUNYK, Horace** [CA/CA]; 40, 1323–44th Avenue N.E., Calgary, Alberta T2E 6L5 (CA).

(74) **UREN, John, Russell**; Suite 202, 1590 Bellevue Avenue, West Vancouver, British Columbia V7V 1A7 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01M 7/06**

(11) **WO 99/54701** (13) A1

(21) PCT/US99/08551

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,157 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTI–LEVEL VIBRATION TEST SYSTEM HAVING CONTROLLABLE VIBRATION ATTRIBUTES
• SYSTEME MULTI–NIVEAU D'ESSAI AUX VIBRATIONS DONT LES ATTRIBUTS DE VIBRATION PEUVENT ETRE COMMANDES

(71, 72) **HOBBS, Gregg, K.** [US/US]; 10218 Osceola Court, Westminster, CO 80030 (US).

(74) **GRAZIANO, James, M.**; Duft, Graziano & Forest, P.C., Suite 140, 1790 – 30th Street, Boulder, CO 80301–1018 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01M 15/00, A61B 5/00**

(11) **WO 99/54702** (13) A1

(21) PCT/DE99/01112

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 16 884.5 **17 Apr/avr 1998** DE **(17.04.1998)**

(30) 198 50 122.6 **30 Oct/oct 1998** DE **(30.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR CONFIGURING AND/OR PARAMETERIZING AN DIAGNOSTIC DEVICE
• SYSTEME ET PROCEDE POUR CONFIGURER ET/OU PARAMETRER UNE UNITE DE DIAGNOSTIC

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HARTMANN, Doris** [DE/DE]; Gartenstrasse 6, D–96163 Gundelsheim (DE). **KACEM, Sofiane** [TN/DE]; Leinbühlstrasse 16, D–90475 Nürnberg (DE). **MAIER, Karl–Heinz** [DE/DE]; Kesslerstrasse 12, D–90489 Nürnberg (DE). **MÜLLER, Klaus–Dieter** [DE/DE]; Oldenburger Strasse 34, D–90425 Nürnberg (DE). **PLEWINSKI, Nicolai** [DE/DE]; Laufer Weg 96, D–90552 Röthenbach (DE). **VÖLKEL, Thomas** [DE/DE]; Lochau 14, D–95138 Bad Steben (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01M 15/00, 7/00, G01N 29/04**

(11) **WO 99/54703** (13) A2

(21) PCT/DE99/01118

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 169.2 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACOUSTIC DIAGNOSTIC SYSTEM AND METHOD
• SYSTEME ET PROCEDE DE DIAGNOSTIC ACOUSTIQUE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HARTMANN, Doris** [DE/DE]; Gartenstrasse 6, D–96163 Gundelsheim (DE). **KACEM, Sofiane** [TN/DE]; Leinbühlstrasse 16, D–90475 Nürnberg (DE). **MAIER, Karl–Heinz** [DE/DE]; Kesslerstrasse 12, D–90489 Nürnberg (DE). **PLEWINSKI, Nicolai** [DE/DE]; Laufer Weg 96, D–90552 Röthenbach (DE). **VÖLKEL, Thomas** [DE/DE]; Lochau 14, D–95138 Bad Steben (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01M 17/10, B61F 5/14**

(11) **WO 99/54704** (13) A1

(21) PCT/NL99/00224

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) nl (26) en

(30) 1008921 **17 Apr/avr 1998** NL **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR MONITORING THE WORKING OF ROTATION OR ROLL DAMPERS
• SYSTEME DE SURVEILLANCE DU FONCTIONNEMENT EN ROTATION DE GALETS AMORTISSEURS

(71) **KONI B.V.** [NL/NL]; P.O. Box 1014, NL–3260 AA Oud–Beijerland (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KARS, Jan, Willem** [NL/NL]; Everocken 11, NL–3271 AD Mijnsheerenland (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL–2502 LS The Hague (NL).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N**

(11) **WO 99/54705** (13) A2

(21) PCT/US99/04290

(22) **2 Apr/avr 1999 (02.04.1999)**

(25) en (26) en

(30) 09/053,798 **2 Apr/avr 1998** US **(02.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD, SYSTEM AND COMPUTER READABLE MEDIUM FOR ITERATIVE IMAGE WARPING PRIOR TO TEMPORAL SUBTRACTION OF CHEST RADIOGRAPHS IN THE DETECTION OF INTERVAL CHANGES
• PROCEDE, SYSTEME ET SUPPORT LISIBLE PAR ORDINATEUR DE DEFORMATION D'IMAGES PAR ITERATION AVANT LA SOUSTRACTION TEMPORELLE DE RADIOGRAPHIES DU THORAX EN VUE DE LA DETECTION DE MODIFICATIONS INTERVENUES DANS L'INTERVALLE

(71) **ARCH DEVELOPMENT CORPORATION** [US/US]; Room 405, 5640 South Ellis Avenue, Chicago, IL 60637 (US).

(72) **ISHIDA, Takayuki**; 300 W. 60th Street, Westmount, IL 60559 (US). **KATSURAGAWA, Shigehiko**; 5514 S. Blackstone, Chicago, IL 60637 (US). **DOI, Kunio**; 6415 Lane Court, Willowbrook, IL 60521 (US).

(74) **KUESTERS, Eckhard, H.** et al. / etc.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Suite 400, 1755 Jefferson Davis Highway, Arlington, VA 22202 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N**

(11) **WO 99/54706** (13) A2

(21) PCT/US99/08441

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,070 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF TREATING INTERSTITIAL CYSTITIS WITH RECOMBINANT HEPARIN–BINDING EPIDERMAL GROWTH FACTOR–LIKE GROWTH FACTOR (HB–EGF)

- PROCEDE SERVANT A TRAITER LA CYSTITE INTERSTITIELLE AU MOYEN D'UN FACTEUR DE CROISSANCE SEMBLABLE AU FACTEUR DE CROISSANCE EPIDERMIQUE DE RECOMBINAISON SE FIXANT A HEPARINE (HB–EGF)

(71) **UNIVERSITY OF MARYLAND, BALTIMORE** [US/US]; 520 West Lombard Street, Baltimore, MD 21201–1627 (US).

(72) **KEAY, Susan**; 3117 Story Book Court, Ellicott City, MD 21042 (US). **WARREN, John**; 2106 South Road, Baltimore, MD 21209 (US). **HISE, Michael**; 6379 Saddle Drive, Columbia, MD 21045 (US).

(74) **SMITH, Chalin, A.**; University of Maryland, Baltimore, Office of Research and Development, 515 West Lombard Street, Baltimore, MD 21201–1602 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N**

(11) **WO 99/54707** (13) A2

(21) PCT/US99/08794

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,487 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FETAL TESTING FOR PREDICTION OF LOW BIRTH WEIGHT
- EPREUVE FOETALE DE PREVISION DE POIDS FAIBLE A LA NAISSANCE

(71) **MEDICAL SCIENCE SYSTEMS, INC.** [US/US]; 100 N.E. Loop 410, San Antonio, TX 78216 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KORNMAN, Kenneth, S.** [US/US]; 3007 Orchard Hill, San Antonio, TX 78230 (US). **OFFENBACHER, Steven** [US/US]; University of North Carolina at Chapel Hill, School of Dentistry, Chapel Hill, NC 27599–7455 (US). **DUFF, Gordon, W.** [GB/GB]; 18 Ashgate Road, Sheffield, South Yorkshire S10 3B2 (GB).

(74) **ARNOLD, Beth, E.** et al. / etc.; Foley, Hoag & Eliot LLP, One Post Office Square, Boston, MA 02109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 1/04, 1/20**

(11) **WO 99/54708** (13) A1

(21) PCT/SE99/00637

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9801374–1 **21 Apr/avr 1998** SE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DUST SAMPLE COLLECTOR AND ANALYSER
- DISPOSITIF SERVANT A ANALYSER ET A RECUEILLIR DES ECHANTILLONS DE POUSSIERE

(71) **KVAERNER PULPING AB** [SE/SE]; P.O. Box 1033, S–651 15 Karlstad (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DAHLÉN, Erik** [SE/SE]; Oljekvarnsgatan 15, S–414 65 Göteborg (SE).

(74) **FURHEM, Hans**; Kvaerner Pulping AB, P.O. Box 1033, S–651 15 Karlstad (SE).

(81) BR CA ID US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 3/00, 29/02, 29/18, 29/22, 31/00**

(11) **WO 99/54709** (13) A1

(21) PCT/US99/08362

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,112 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHODS FOR PERFORMING ACOUSTICAL MEASUREMENTS
- APPAREIL ET PROCEDE DESTINES A EFFECTUER DES MESURES ACOUSTIQUES

(63) US Not furnished / non communiqué (CIP)
Not furnished / non communiquée

(71) **LOREX INDUSTRIES, INC.** [US/US]; Page Industrial Park, 229 Manchester Road, Poughkeepsie, NY 12603 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LOGUE, Raymond, C.** [US/US]; 25 David Road, Somers, NY 10589 (US). **SIROTA, Don, N.** [US/US]; 3403 Cherry Hill Drive, Poughkeepsie, NY 12603 (US). **LEE, Patrick, S.** [US/US]; 22 Stonehedge Drive, Poughkeepsie, NY 12603 (US).

(74) **KLEE, Maurice, M.**; 1951 Burr Street, Fairfield, CT 06430 (US).

(81) AU CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 21/00, 15/06**

(11) **WO 99/54710** (13) A1

(21) PCT/US99/08595

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 60/082,570 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/291,787 **14 Apr/avr 1999** US **(14.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MICROPLATE SCANNING READ HEAD
- TETE DE LECTURE DE BALAYAGE DE MICROPLAQUETTES

(71) **BIO–RAD LABORATORIES, INC.** [US/US]; 2000 Alfred Nobel Drive, Hercules, CA 94547 (US).

(72) **CUNANAN, Chris**; 421 Powell Drive, Bay Point, CA 94547 (US).

(74) **BECK, David, G.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111–3834 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 21/03**

(11) **WO 99/54711** (13) A1

(21) PCT/US99/08410

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,472 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 60/085,500 **14 May/mai 1998** US **(14.05.1998)**

(30) 60/089,848 **19 Jun/juin 1998** US **(19.06.1998)**

(30) 09/156,318 **18 Sep/sep 1998** US **(18.09.1998)**

(30) 09/160,533 **24 Sep/sep 1998** US **(24.09.1998)**

(30) 60/114,209 **29 Dec/déc 1998** US **(29.12.1998)**

(30) 60/119,829 **12 Feb/fév 1999** US **(12.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SAMPLE–HOLDING DEVICES AND SYSTEMS
• DISPOSITIFS DE MAINTIEN D'ECHANTILLONS ET SYSTEMES

(71) **LJL BIOSYSTEMS, INC.** [US/US]; 404 Tasman Drive, Sunnyvale, CA 94089 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BURTON, William, G.** [US/US]; 4709 Arlene Place, Pleasanton, CA 94566 (US). **MODLIN, Douglas, N.** [US/US]; 4063 Scripps Avenue, Palo Alto, CA 94306 (US). **RICHARDSON, Derrick, A.** [US/US]; 2245 Latham Street #8, Mountain View, CA 94040 (US). **PETERSON, Jon, F.** [US/US]; 1006 Vera Avenue, Redwood City, CA 94061 (US). **LEYTES, Joseph, S.** [US/US]; 660 Mariposa Avenue #3, Mountain View, CA 94041 (US). **OWICKI, John, C.** [US/US]; 956 North California Avenue, Palo Alto, CA 94303 (US). **EL–HAGE, Amer** [US/US]; 2101 Manzanita Avenue, Menlo Park, CA 94025 (US).

(74) **ABNEY, James, R.** et al. / etc.; Kolisch, Hartwell, Dickinson, McCormack & Heuser, 220 Pacific Building, 520 S.W. Yamhill Street, Portland, OR 97204 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 21/55**

(11) **WO 99/54712** (13) A1

(21) PCT/EP99/02660

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 470.5 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSDUCER SYSTEM FOR AN OPTICAL SENSOR BASED ON SURFACE PLASMON RESONANCE
• CONFIGURATION DE TRANSDUCTEUR DESTINE A UN DETECTEUR OPTIQUE BASE SUR LA RESONANCE DE PLASMONS EN SURFACE

(71) **BIOTUL BIO INSTRUMENTS GMBH** [DE/DE]; Gollierstrasse 70 B, D–80339 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROLL, Henning** [DE/DE]; Dortmunder Strasse 27, D–57439 Attendorn (DE). **TITTEL, Jakob** [DE/DE]; Wörthstrasse 13, D–81667 München (DE).

(74) **VOSSIUS & PARTNER**; Siebertstrasse 4, D–81675 München (DE).

(81) AU CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **G01N 21/55**

(11) **WO 99/54713** (13) A2

(21) PCT/EP99/02661

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 472.1 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE AND METHOD FOR DETECTING A SHIFT IN A SURFACE PLASMON RESONANCE
• DISPOSITIF ET PROCEDE DE DETECTION D'UN DEPLACEMENT DE RESONANCE DE PLASMONS EN SURFACE

(71) **BIOTUL BIO INSTRUMENTS GMBH** [DE/DE]; Münchner Gewerbehof Westend, Gollierstrasse 70, D–80339 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRINK, Gunnar** [DE/DE]; Ganghofer Strasse 48, D–80339 München (DE). **GROLL, Henning** [DE/DE]; Dortmunder Strasse 27, D–57439 Attendorn (DE). **TITTEL, Jakob** [DE/DE]; Wörthstrasse 13, D–81667 München (DE). **ROSNER, Christof** [DE/DE]; Moosstrasse 5, D–85221 Dachau (DE).

(74) **VOSSIUS & PARTNER**; Siebertstrasse 4, D–81675 München (DE).

(81) AU CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 21/77, 33/543, G02F 1/035, G02B 6/12, G02F 1/01**

(11) **WO 99/54714** (13) A1

(21) PCT/NL99/00222

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) nl (26) en

(30) 1008934 **20 Apr/avr 1998** NL **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INTEGRATED OPTICAL LIGHT-GUIDE DEVICE
• DISPOSITIF OPTIQUE AMELIORE A GUIDE D'ONDES

(71) **UNIVERSITEIT TWENTE** [NL/NL]; Postbus 217, NL–7500 AE Enschede (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEIDEMAN, René, Gerrit** [NL/NL]; Sparstraat 40, NL–7572 TK Oldenzaal (NL). **LAMBECK, Paul, Vincent** [NL/NL]; Schubertlaan 20, NL–7522 JR Enschede (NL). **VELDHUIS, Gerrit, Jan** [NL/NL]; Mendelsohnstraat 10, NL–7557 BH Hengelo (NL).

(74) **HOOIVELD, Arjen, Jan, Winfried** et al. / etc.; Arnold & Siedsma, Sweelinckplein 1, NL–2517 GK The Hague (NL).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 21/89**

(11) **WO 99/54715** (13) A1

(21) PCT/AU99/00291

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) PP 2986 **17 Apr/avr 1998** AU **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FAULT DETECTION APPARATUS
• APPAREIL POUR DETECTER DES DEFAUTS

(71) **CRC FOR INTELLIGENT MANUFACTURING SYSTEMS & TECHNOLOGIES LTD.** [AU/AU]; Corner Albert & Raglan Streets, Preston, VIC 3072 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WLODARSKI, Wojciech** [AU/AU]; 8/46 Orrong Cresent, North Caulfield, VIC 3161 (AU). **HAMID, Hatim, Abdul** [AU/AU]; 113 McIntosh Road, North Altona, VIC 3025 (AU). **ZYLEWICZ, Alexander** [AU/AU]; 3 Angus Street, Glenroy, VIC 3046 (AU). **STEFANI, Sergio, A.** [AU/AU]; 10 Henry Street, Hawthorn, VIC 3122 (AU).

(74) **GRIFFITH HACK**; 509 St. Kilda Road, Melbourne, VIC 3004 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 23/04, 23/18**

(11) **WO 99/54716** (13) A2

(21) PCT/CA99/00308

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,723 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR IMPROVED INSPECTION AND CLASSIFICATION OF ATTRIBUTES OF A WORKPIECE

- PROCEDE ET APPAREIL D'INSPECTION ET DE CLASSIFICATION AMELIOREES D'ATTRIBUTS D'UNE PIECE

(71) **CAE ELECTRONICS LTD. CAE ELECTRONIQUE LTEE** [CA/CA]; 8585 Cote de Liesse Road, St. Laurent, Quebec H4T 1G6 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WOODS, Steve, C.** [CA/CA]; 3550 – 45th Street, S.E., P.O. Box 8, Salmon Arm, British Columbia V1E 4N2 (CA). **McGUIRE, Michael** [CA/CA]; 3550 – 45th Street, S.E., P.O. Box 8, Salmon Arm, British Columbia V1E 4N2 (CA). **OGLOFF, Harry** [CA/CA]; 3550 – 45th Street, S.E., P.O. Box 8, Salmon Arm, British Columbia V1E 4N2 (CA). **SKOCIC, Zvonimir** [YU/CA]; 3550 – 45th Street, S.E., P.O. Box 8, Salmon Arm, British Columbia V1E 4N2 (CA). **JOHNSON, Emeric** [CA/CA]; 3550 – 45th Street, S.E., P.O. Box 8, Salmon Arm, British Columbia V1E 4N2 (CA).

(74) **EDWARDS, Antony, C.**; 206 – 347 Leon Avenue, Kelowna, British Columbia V1Y 8C7 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 23/18**

(11) **WO 99/54717** (13) A2

(21) PCT/CA99/00309

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,726 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- METHOD AND APPARATUS FOR IDENTIFICATION OF PROBABLE DEFECTS IN A WORKPIECE
- PROCEDE ET APPAREIL PERMETTANT UNE IDENTIFICATION D'EVENTUELS DEFAUTS DANS UNE PIECE A USINER

(71) **CAE ELECTRONIC LTD. CAE ELECTRONIQUE LTEE** [CA/CA]; 8585 Cote de Liesse Road, St. Laurent, Quebec H4T 1G6 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **McGUIRE, Michael** [CA/CA]; 3550 45th Street S.E., P.O. Box 8, Salmon Arm, British Columbia V1E 4N2 (CA). **WOODS, Steve, C.** [CA/CA]; 3550 45th Street S.E., P.O. Box 8, Salmon Arm, British Columbia V1E 4N2 (CA). **FLATMAN, Carl** [CA/CA]; 3550 45th Street S.E., P.O. Box 8, Salmon Arm, British Columbia V1E 4N2 (CA).

(74) **EDWARDS, Antony, C.**; 206 347 Leon Avenue, Kelowna, British Columbia V1Y 8C7 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 27/327, C12Q 1/00, G01N 33/543**

(11) **WO 99/54718** (13) A1

(21) PCT/GB99/00999

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) en (26) en

(30) 9808264.7 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- BIOCHEMICAL DEVICES AND THEIR METHODS OF MANUFACTURE
- DISPOSITIFS BIOCHIMIQUES ET LEURS PROCEDES DE FABRICATION

(71) **IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE** [GB/GB]; Sherfield Building, Exhibition Road, London SW7 2AZ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DURRANT, James, Robert** [GB/GB]; 44 Standen Road, London SW18 5TQ (GB). **CASS, Anthony, Edward, George** [GB/GB]; 39 Novello Street, Parsons Green, London SW6 4JB (GB). **GILARDI, Gianfranco** [IT/GB]; 49 Wimbledon Park Road, London SW18 5SJ (GB).

(74) **TURNER, James, Arthur**; D. Young & Co., 21 New Fetter Lane, London EC4A 1DA (GB).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 27/403**

(11) **WO 99/54719** (13) A1

(21) PCT/DE98/03156

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(30) 198 17 671.6 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- METHOD FOR INFLUENCING ELECTRO–CHEMICAL PROCESSES ON ELECTRODES BY THE APPLICATION OF AN ELECTRIC FIELD
- PROCEDE PERMETTANT D'AGIR SUR DES OPERATIONS ELECTROCHIMIQUES EFFECTUEES SUR DES ELECTRODES PAR SUPERPOSITION D'UN CHAMP ELECTRIQUE

(71, 72) **SCHÖNWEITZ, Peter** [DE/DE]; Alte Poststrasse 30 a, D–85356 Freising (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 27/403**

(11) **WO 99/54720** (13) A1

(21) PCT/EP99/02663

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 298 07 135.5 **20 Apr/avr 1998** DE **(20.04.1998)**

(30) 09/062,904 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- COMBINATION MEASURING CHAIN WITH INDIRECT REFERENCE ELECTRODE HAVING A WICK–LIKE FIRST TRANSITION AND AN ANNULAR–GAP DIAPHRAGM AS SECOND TRANSITION
- CHAINE DE MESURE COMBINEE COMPRENANT UNE ELECTRODE DE REFERENCE INDIRECTE DOTEE D'UNE PREMIERE TRANSITION DE TYPE MECHE ET D'UN DIAPHRAGME D'ESPACE ANNULAIRE COMME DEUXIEME TRANSITION

(71) **GAT GAMMA ANALYSENTECHNIK GMBH** [DE/DE]; Friedhofstrasse 26, D–27576 Bremerhaven (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BEHNERT, Jürgen** [DE/DE]; Friedhofstrasse 26, D–27576 Bremerhaven (DE). **PETTY, John, D.** [AU/AU]; 18 Walker Street, Tennyson, Brisbane 4150 (AU).

(74) **FROHWITTER, Bernhard**; Possartstrasse 20, D–81679 München (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 27/447**

(11) **WO 99/54721** (13) A1

(21) PCT/US99/08351

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,381 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTROPHORESIS METHOD AND APPARATUS FOR SEPARATING BIO–ORGANIC MOLECULES
• PROCEDE D'ELECTROPHORESE ET APPAREIL CORRESPONDANT SERVANT A SEPARER DES MOLECULES BIO–ORGANIQUES

(71) **THE PERKIN–ELMER CORPORATION** [US/US]; 850 Lincoln Centre Drive, Foster City, CA 94404 (US).

(72) **SELBY, Barton, G.**; 256 Windsor Drive, San Carlos, CA 94020 (US). **GOUDBERG, Johann**; 4240 Albany Drive #6210, San Jose, CA 95129 (US). **VO, Binh**; 3074 Barons Court Way, San Jose, CA 94132 (US). **CLARK, David**; 27638 Barcelona, Hayward, CA 94545 (US).

(74) **FRAZIER, Jeffery, D.** et al. / etc.; Dehlinger & Associates, P.O. Box 60850, Palo Alto, CA 94306–0850 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 29/04, 24/00, 9/24**

(11) **WO 99/54722** (13) A1

(21) PCT/US98/22443

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) en (26) en

(30) 09/066,723 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS FOR THE CONCURRENT ULTRASONIC INSPECTION OF PARTIALLY COMPLETED WELDS
• APPAREIL D'INSPECTION ULTRASONORE SIMULTANEE DE SOUDURES PARTIELLEMENT ACHEVEES

(71) **LOCKHEED MARTIN IDAHO TECHNOLOGIES COMPANY** [US/US]; P.O. Box 1625, Idaho Falls, ID 83415–3899 (US).

(72) **JOHNSON, John, A.**; 425 Westmoreland, Idaho Falls, ID 83404 (US).

(74) **KIRSCH, Alan, D.**; Lockheed Martin Idaho Technologies Company, P.O. Box 1625, Idaho Falls, ID 83415–3899 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 29/04**

(11) **WO 99/54723** (13) A1

(21) PCT/US99/06886

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 09/062,906 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHOD FOR MEASURING THE ACOUSTIC PROPERTIES OF ACOUSTIC ABSORBERS
• DISPOSITIF ET METHODE POUR LA MESURE DES CARACTERISTIQUES ACOUSTIQUES DE MATERIAUX PHONO–ABSORBANTS

(71) **NORTHROP GRUMMAN CORPORATION** [US/US]; 1840 Century Park East, Los Angeles, CA 90067–2199 (US).

(72) **SHIVASHANKARA, Belur**; 13247 S.E. 54th Place, Bellevue, WA 98006 (US). **HUTTO, Fredrick, M.**; 14032 59th Avenue South East, Everett, WA 98208–9313 (US). **ARCAS, Noe**; 46 Eileen Avenue, Plainview, NY 11803 (US).

(74) **ANDERSON, Terry, J.**; Northrop Grumman Corporation, 1840 Century Park East, Los Angeles, CA 90067–2199 (US) et al. / etc.

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 33/00, C12Q 1/68**

(11) **WO 99/54724** (13) A1

(21) PCT/IB99/00734

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,692 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR EVALUATING CHEMICAL AND BIOLOGICAL ASSAYS
• PROCEDE D'EVALUATION D'ANALYSES CHIMIQUES ET BIOLOGIQUES

(71) **IMAGING RESEARCH INC.** [CA/CA]; Brock University, 500 Glenridge Avenue, St. Catharines, Ontario L2S 3A1 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAMM, Peter** [CA/CA]; 290 Riverview Boulevard, St. Catharines, Ontario L2T 3N4 (CA). **NADON, Robert** [CA/CA]; 35 South Drive, St. Catharines, Ontario L2R 4T9 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 33/02**

(11) **WO 99/54725** (13) A1

(21) PCT/FI99/00305

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) fi (26) en

(30) 980863 **17 Apr/avr 1998** FI **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR DETERMINING A GUSHING FACTOR FOR A BEVERAGE
• PROCEDE POUR DETERMINER UN FACTEUR DE GICLAGE POUR UNE BOISSON

(71) **OY PANIMOLABORATORIO – BRYGGERILABORATORIUM AB** [FI/FI]; Pl 16, FIN–02151 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAIKARA, Auli** [FI/FI]; Itälahdenkatu 8 C 49, FIN–00210 Helsinki (FI). **SARLIN, Tuija** [FI/FI]; Jaalantie 5 B, FIN–00600 Helsinki (FI). **NAKARI–SETÄLÄ, Tiina** [FI/FI]; Magnus Enckellin kuja 2–4 D 7, FIN–02160 Espoo (FI). **PENTTILÄ, Merja** [FI/FI]; Vattuniemenkatu 2 A 22, FIN–00210 Helsinki (FI).

(74) **PAPULA REIN LAHTELA OY**; Fredrikinkatu 61 A, P.O. Box 981, FIN–00101 Helsinki (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 33/12, 22/04, G01R 27/26**

(11) **WO 99/54726** (13) A1

(21) PCT/GB99/01226

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808462.7 **22 Apr/avr 1998** GB **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR MEASURING THE AMOUNT OF ICE GLAZE ADDED TO FROZEN FOODS
• METHODE ET DISPOSITIF PERMETTANT DE MESURER LA QUANTITE DE GIVRE AJOUTEE A DES PRODUITS ALIMENTAIRES CONGELES

(71) **THE MINISTER OF AGRICULTURE FISHERIES AND FOOD IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND** [GB/GB]; Nobel House, 17 Smith Square, London SW1P 3JR (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KENT, Michael** [GB/GB]; Distell Industries Ltd., Old Levenseat, Fauldhouse, West Lothian EH47 9AD (GB).

(74) **CALDERBANK, T., Roger** et al. / etc.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (GB).

(81) CA GB JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **G01N 33/24**

(11) **WO 99/54727** (13) A1

(21) PCT/GB99/00973

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808018.7 **16 Apr/avr 1998** GB **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOIL TEST
• TEST DE SOL

(71) **UNIVERSITY OF LANCASTER** [GB/GB]; Bailrigg, Lancaster LA1 4YW (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REID, Brian, John** [GB/GB]; 45 Hawthorn Bank, Carnock, Fife KY12 9JS (GB). **SEMPLE, Kirk, Taylor** [GB/GB]; 94 Main Street, Wray, Lancaster LA2 8QD (GB). **JONES, Kevin, Christopher** [GB/GB]; 53 Belle Vue Terrace, Lancaster LA1 4TY (GB).

(74) **ATKINSON, Peter, Birch**; Marks & Clerk, Sussex House, 83–85 Mosley Street, Manchester M2 3LG (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 33/33**

(11) **WO 99/54728** (13) A2

(21) PCT/US99/06664

(22) **26 Mar/mar 1999 (26.03.1999)**

(25) en (26) en

(30) 60/082,756 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 60/099,656 **9 Sep/sep 1998** US **(09.09.1998)**

(30) 60/115,345 **8 Jan/jan 1999** US **(08.01.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF PREDICTING THE ABILITY OF COMPOUNDS TO MODULATE THE BIOLOGICAL ACTIVITY OF RECEPTORS
• METHODE PERMETTANT DE PREVOIR LA CAPACITE DE COMPOSES DE MODULER L'ACTIVITE BIOLOGIQUE DE RECEPTEURS

(63) US Not furnished / non communiqué (CIP)
Not furnished / non communiquée

(71) **NOVALON PHARMACEUTICAL CORPORATION** [US/US]; Suite 560, 4222 Emperor Boulevard, Durham, NC 27703–8446 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAIGE, Lisa, A.** [US/US]; 9414 Sawyer Road, Rougemont, NC 27572 (US). **HAMILTON, Paul, T.** [US/US]; 205 Muirwoods Drive, Cary, NC 27513 (US). **FOWLKES, Dana, M.** [US/US]; 2013 Damascus Church Road, Chapel Hill, NC 27516 (US). **BUEHRER, Benjamin** [US/US]; 5504 Garrett Road, Durham, NC 27707 (US). **BARNETT, Tom** [US/US]; 101 Barnehill Place, Chapel Hill, NC 27514 (US). **MCDONNELL, Donald, P.** [US/US]; Duke University Medical Center, Box 3813, Durham, NC 27710 (US). **CHRISTENSEN, Dale, J.** [US/US]; 226 Mint Hill Drive, Apex, NC 27502 (US).

(74) **COOPER, Iver, P.**; Browdy and Neimark, P.L.L.C., Suite 300, 419 Seventh Street N.W., Washington, DC 20004 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 33/53**

(11) **WO 99/54729** (13) A2

(21) PCT/EP99/02688

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) de (26) de

(30) 198 18 077.2 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMMOBILIZED SUBSTRATE, SEPARATION GELS PRODUCED THEREWITH AND METHOD FOR DETECTING ENZYMATIC ACTIVITY AFTER ELECTROPHORETIC PROTEIN SEPARATION
• SUBSTRATS IMMOBILISES, GELS DE SEPARATION PRODUITS AU MOYEN DE CES DERNIERS ET PROCEDE DE DETECTION D'ACTIVITES ENZYMATIQUES APRES SEPARATION DE PROTEINES PAR ELECTROPHORESE

(71) **GESELLSCHAFT FÜR BIOTECHNOLOGISCHE FORSCHUNG MBH (GBF)** [DE/DE]; Mascheroder Weg 1, D–38124 Braunschweig (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRANK, Ronald** [DE/DE]; Mascheroder Weg 1, D–38124 Braunschweig (DE). **TEGGE, Werner** [DE/DE]; Mascheroder Weg 1, D–38124 Braunschweig (DE).

(74) **BOETERS, Hans, D.** et al. / etc.; Boeters & Bauer, Bereiteranger 15, D–81541 München (DE).

(81) AU CA JP KR NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 33/53, 1/28, 1/38, B01F 5/00, 11/02**

(11) **WO 99/54730** (13) A1

(21) PCT/FI99/00309

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fi (26) en

(30) 980874 **20 Apr/avr 1998** FI **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR CARRYING OUT A CHEMICAL ANALYSIS IN SMALL AMOUNTS OF LIQUID
• PROCEDE ET DISPOSITIF POUR REALISER DES ANALYSES CHIMIQUES DE PETITES QUANTITES DE LIQUIDE

(71) **WALLAC OY** [FI/FI]; P.O. Box 10, FIN–20101 Turku (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEHTO, Ari** [FI/FI]; Raekuja 3, FIN–00700 Helsinki (FI). **KOJOLA, Hannu** [FI/FI]; Turuntie 346, FIN–21870 Riihikoski (FI). **LÖVGREN, Timo** [FI/FI]; Yliopistonkatu 2 H 155, FIN–20100 Turku (FI). **LÖNNBERG, Harri** [FI/FI]; Vatjankatu 3, FIN–20750 Turku (FI).

(74) **TURUN PATENTTITOIMISTO OY**; P.O. Box 99, FIN–20521 Turku (FI).

(81) AU BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 33/53, 33/566, 33/483, 33/487**

(11) **WO 99/54731** (13) A1

(21) PCT/FR99/00915

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) fr (26) fr

(30) 98/04924 **20 Apr/avr 1998** FR **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR AMPLIFYING THE FORMATION OF LIGAND–RECEPTOR COMPLEXES AND USES
• PROCEDE D'AMPLIFICATION DE LA FORMATION DE COMPLEXES LIGANDS–RECEPTEURS ET SES UTILISATIONS

(71) **DIGIBIO S.A.** [FR/FR]; 34, avenue des Champs Elysées, F–75008 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BENVENISTE, Jacques** [FR/FR]; 3, rue Larochelle, F–75014 Paris (FR). **GUILLONNET, Didier** [FR/FR]; 121, chemin du Val de Cagnes, F–06800 Cagnes–sur–Mer (FR).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KG KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 33/53, C07K 1/00**

(11) **WO 99/54732** (13) A1

(21) PCT/US99/08366

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,070 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IκB AND ENHANCED GREEN FLUORESCENT FUSION PROTEIN
• PROTEINE DE FUSION CONSTITUEE D'IκB ET DE PROTEINE FLUORESCENTE VERTE

(71) **CLONTECH LABORATORIES, INC.** [US/US]; 1020 East Meadow Drive, Palo Alto, CA 94303 (US).

(72) **LI, Xianqiang**; 3989 Middlefield Road, Palo Alto, CA 94303 (US).

(74) **ADLER, Benjamin, A.**; McGregor & Adler, 8011 Candle Lane, Houston, TX 77071 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 33/53, C12N 5/12, C07K 16/00, 14/00**

(11) **WO 99/54733** (13) A1

(21) PCT/US99/08754

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/065,647 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DETECTION AND DIAGNOSIS OF CONDITIONS ASSOCIATED WITH LUNG INJURY
• DETECTION ET DIAGNOSTIC DE TROUBLES ASSOCIES A UNE LESION DES POUMONS

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607–5200 (US).

(72) **DOBBS, Leland, G.**; 6150 Estates Drive, Oakland, CA 94611 (US). **GONZALEZ, Robert**; Apartment #3, 241 Upper Terrace, San Francisco, CA 94117 (US).

(74) **BERLINER, Robert**; Fulbright & Jaworski L.L.P., 29th floor, 865 S. Figueroa Street, Los Angeles, CA 90017–2576 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 33/543, 33/53**

(11) **WO 99/54734** (13) A1

(21) PCT/CA99/00364

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 2,228,821 **16 Apr/avr 1998** CA **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMB–LIKE SOLID PHASE FOR MEASURING ANALYTES
• PHASE SOLIDE DE TYPE PEIGNE POUR MESURER LES ANALYTES

(71) **NORZYME INC.** [CA/CA]; 1700–360 Main Street, Winnipeg, Manitoba R3C 3Z3 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GAN, Zhibo** [CA/CA]; 212–99 Dalhousie Drive, Winnipeg, Manitoba R3G 3M2 (CA). **MARQUARDT, Ronald** [CA/CA]; 878 Kilkenny Drive, Winnipeg, Manitoba R3G 4G3 (CA).

(74) **ADE & COMPANY**; 1700–360 Main Street, Winnipeg, Manitoba R3C 3Z3 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 33/543, 33/576, C07K 14/18, C12Q 1/70, G01N 33/573**

(11) **WO 99/54735** (13) A1

(21) PCT/EP99/02547

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 98870087.8 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED IMMUNODIAGNOSTIC ASSAYS USING REDUCING AGENTS
• AMELIORATION DE DOSAGES D'IMMUNODIAGNOSTIC PAR UTILISATION D'AGENTS REDUCTEURS

(71) **INNOGENETICS N.V.** [BE/BE]; Industriepark Zwijnaarde 7, P.O. Box 4, B–9052 Ghent (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MAERTENS, Geert** [BE/BE]; Zilversparrenstraat 64, B–8310 Brugge (BE). **LOUWAGIE, Joost** [BE/BE]; Melselestraat 45, B–2070 Zwijndrecht (BE). **BOSMAN, Alfons** [BE/BE]; Hulst 165, B–1745 Opwijk (BE). **SABLON, Erwin** [BE/BE]; Robbroeklaan 1A, B–1785 Merchtem (BE). **ZREIN, Maan** [FR/FR]; 201, domaine de la Vigne, F–59910 Bondues (FR).

(74) **JACOBS, Philippe**; Innogenetics N.V., Industriepark Zwijnaarde 7, P.O. Box 4, B–9052 Ghent (BE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01N 33/543, 33/58, 33/547**

(11) **WO 99/54736** (13) A1

(21) PCT/US99/06134

(22) **26 Mar/mar 1999 (26.03.1999)**

(25) en (26) en

(30) 09/063,978 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DETECTION OF VERY LOW QUANTITIES OF ANALYTE
• DETECTION DE TRES PETITES QUANTITES D'ANALYTE

(71) **BECKMAN COULTER, INC.** [US/US]; 4300 N. Harbor Boulevard, P.O. Box 3100, Fullerton, CA 92834–3100 (US).

(72) **OBREMSKI, Robert, J.**; 19792 La Tierra Lane, Yorba Linda, CA 92886 (US). **SILZEL, John, W.**; 19741 Venecia Lane, Yorba Linda, CA 92886 (US). **TSAY, Tsong–Tseh**; 3533 Shallow Brook Lane, Orange, CA 92867 (US). **CERCEK, Bibijana**; 4318 Camphor Avenue, Yorba Linda, CA 92886 (US). **DODSON, Charles, L.**; 1982 Keokuk, Orange, CA 92865 (US). **WANG, Tung, Rung**; 1824 West El Paso Lane, Fullerton, CA 92833 (US). **LIU, Yagang**; 41 Santa Victoria Isle, Irvine, CA 92606 (US). **ZHOU, Shaomin**; 17265 Growers Circle, Yorba Linda, CA 92886 (US).

(74) **MAY, William, H.** et al. / etc.; Beckman Coulter, Inc., 4300 N. Harbor Boulevard, P.O. Box 3100, Fullerton, CA 92834–3100 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 33/573, 33/577, C07K 16/44**

(11) **WO 99/54737** (13) A1

(21) PCT/NL98/00344

(22) **16 Jun/juin 1998 (16.06.1998)**

(25) en (26) en

(30) 09/062,528 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMMUNODIAGNOSTIC METHOD FOR GRANZYMES
• PROCEDE D'IMMUNODIAGNOSTIC PERMETTANT DE DETERMINER DES GRANZYMES

(71) **STICHTING SANQUIN BLOEDVOORZIENING** [NL/NL]; Plesmanlaan 125, NL–1066 CX Amsterdam (NL).

(72) **HACK, Cornelis, Erik**; Van Dijkstraat 21, NL–1111 ND Diemen (NL). **SPAENY–DEKKING, Liesbeth**; Rie Cramerlaan 15, NL–2331 LA Leiden (NL).

(74) **SMULDERS, Th., A., H., J.**; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL–2587 BN The Hague (NL).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 33/574, 33/48, C12Q 1/68**

(11) **WO 99/54738** (13) A1

(21) PCT/US99/05766

(22) **16 Mar/mar 1999 (16.03.1999)**

(25) en (26) en

(30) 09/061,709 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ISOLATED NUCLEIC ACID MOLECULE ENCODING CANCER ASSOCIATED ANTIGENS, THE ANTIGENS PER SE, AND USES THEREOF
• MOLECULE D'ACIDE NUCLEIQUE ISOLEE CODANT POUR DES ANTIGENES ASSOCIES AU CANCER, LES ANTIGENES EN EUX–MEMES, ET UTILISATIONS ASSOCIEES

(71) **LUDWIG INSTITUTE FOR CANCER RESEARCH** [CH/US]; 605 Third Avenue, New York, NY 10103 (US).

(72) **CHEN, Yao–Tseng**; 525 East 68 Street, New York, NY 10021 (US). **GURE, Ali**; 1275 York Avenue, New York, NY 10021 (US). **TSANG, Solam**; 1275 York Avenue, New York, NY 10021 (US). **STOCKERT, Elisabeth**; 1275 York Avenue, New York, NY 10002 (US). **JAGER, Elke**; Steinbacher Hohl 2–28, D–60488 Frankfurt am Main (DE). **KNUTH, Alexander**; Steinbacher Hohl 2–28, D–60488 Frankfurt am Main (DE). **OLD, Lloyd, J.**; 605 Third Avenue, New York, NY 10021 (US).

(74) **HANSON, Norman, D.**; Fulbright & Jaworski LLP, 666 Fifth Avenue, New York, NY 10103 (US).

(81) AU CA CN JP KR NZ ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01N 33/94, 31/22**

(11) **WO 99/54739** (13) A1

(21) PCT/EP99/02667

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) A 669/98 **21 Apr/avr 1998** AT **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DETECTION AND DETERMINATION OF PHENOL–LIKE SUBSTANCES BY MEANS OF DIRECT WET–CHEMICAL METHODS
• DETECTION ET DETERMINATION DE SUBSTANCES DE TYPE PHENOL PAR DES METHODES CHIMIQUES DIRECTES PAR VOIE HUMIDE

(71, 72) **RAUSCH, Peter** [AT/AT]; Weberstrasse 6, A–3300 Amstetten (AT).

(74) **WEICKMANN, H.** et al. / etc.; Kopernikusstrasse 9, D–81679 München (DE).

(81) AU CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01R 15/18**

(11) **WO 99/54740** (13) A1

(21) PCT/GB99/01235

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 9808580.6 **22 Apr/avr 1998** GB **(22.04.1998)**

(30) 9814487.6 **3 Jul/juil 1998** GB **(03.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A CURRENT MEASURING DEVICE
• DISPOSITIF PERMETTANT DE MESURER L'INTENSITE D'UN COURANT

(71) **POWER ELECTRONIC MEASUREMENTS LIMITED** [GB/GB]; 143 Attenborough Lane, Nottingham NG9 6AA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAY, William, Frederick** [GB/GB]; 15 Barratt Lane, Attenborough, Nottingham NG9 6AD (GB).

(74) **KINSLER, Maureen, Catherine** et al. / etc.; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01R 27/26, D21F 1/66**

(11) **WO 99/54741** (13) A1

(21) PCT/US99/07948

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/065,408 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PAPER STOCK ZETA POTENTIAL MEASUREMENT AND CONTROL
• MESURE ET REGULATION DU POTENTIEL ZETA DE LA PATE A PAPIER

(71) **HONEYWELL–MEASUREX CORPORATION** [US/US]; One Results Way, Cupertino, CA 95014 (US).

(72) **GOSS, John, D.**; 6151 Hancock Avenue, San Jose, CA 95123 (US). **CHASE, Lee**; 14800 Quito Road, Los Gatos, CA 95030 (US). **WATSON, John, D.**; Apartment 2901, 2269 West Lakeshore Boulevard, Etobicoke, Ontario M8V 3X6 (CA). **HU, Hung–Tzaw**; 19786 Merribrook Drive, Saratoga, CA 95070 (US). **HAGART–ALEXANDER, Claud**; 3820 West 17th Avenue, Vancouver, British Columbia V6S 1A4 (CA).

(74) **KREBS, Robert, E.**; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01R 31/02, H02H 3/28**

(11) **WO 99/54742** (13) A1

(21) PCT/DE99/01212

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 940.5 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LAYOUT, METHOD AND CURRENT MEASURING DEVICE FOR MEASURING A CURRENT IN A CONDUCTOR
• DISPOSITIF, PROCEDE ET INSTALLATION DE MESURE DE COURANT SERVANT A MESURER UN COURANT DANS UN CONDUCTEUR

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PHILIPPOT, Luc** [DE/DE]; Karl–Marx–Strasse 65A, D–14656 Brieselang (DE). **SCHUSTER, Norbert** [DE/DE]; Fasanenstrasse 6, D–91301 Forchheim (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CN IN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01R 31/02**

(11) **WO 99/54743** (13) A1

(21) PCT/US99/08215

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,434 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRICAL CIRCUIT BREAKER LOCATOR WITH TRANSMITTER AND RECEIVER
• DISPOSITIF DE LOCALISATION DE DISJONCTEUR ELECTRIQUE AVEC EMETTEUR ET RECEPTEUR

(71) **UNIQUE TECHNOLOGIES, LLC** [US/US]; 1631 Forest Road #208, LaGrange Park, IL 60526 (US).

(72) **COIA, Ronald, A.**; 2742 South 4th Avenue, North Riverside, IL 60546 (US). **WOTTRICH, Joachim**; Herulerweg 126, D–2000 Hamburg–Norderstedt (DE).

(74) **SIGALE, Jordan, A.** et al. / etc.; Sonnenschein Nath & Rosenthal, 8000 Sears Tower, 233 S. Wacker Drive, Chicago, IL 60606–6404 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01R 31/36**

(11) **WO 99/54744** (13) A1

(21) PCT/CH99/00085

(22) **22 Feb/fév 1999 (22.02.1999)**

(25) de (26) de

(30) 882/98 **17 Apr/avr 1998** CH **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BATTERY MEASURING TERMINAL
• PINCE AMPEREMETRIQUE POUR BATTERIE

(71) **MENICO AG** [CH/CH]; Bonstettenstrasse 26, CH–8610 Uster (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MELCHER, Domenic** [CH/CH]; Bonstettenstrasse 26, CH–8610 Uster (CH).

(74) **SALGO, R., C.**; Rütistrasse 103, CH–8636 Wald (CH).

(81) CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

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(51)[6] **G01R 33/035**

(11) **WO 99/54745** (13) A1

(21) PCT/EP99/02234

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) de (26) de

(30) 198 17 830.1 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEASURING ARRANGEMENT FOR MEASURING MAGNETIC FLUX VARIATIONS AND CORRESPONDING METHOD
• DISPOSITIF ET PROCEDE POUR LA MESURE DE MODIFICATIONS DE FLUX MAGNETIQUES

(71) **FORSCHUNGSZENTRUM JÜLICH GMBH** [DE/DE]; Wilhelm–Johnen–Strasse, D–52425 Jülich (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZHANG, Yi** [CN/DE]; Artilleriestrasse 41, D–52428 Jülich (DE). **WOLTERS, Norbert** [NL/DE]; Katharinenstrasse 8, D–52134 Herzogenrath (DE). **ZENG, Xianghui** [CN/DE]; Rurfeld 8, D–52428 Jülich (DE). **YI, Huai–ren** [CN/DE]; Heinsberger Strasse 8, D–52428 Jülich (DE). **HE, Dongfeng** [CN/CN]; Dept. of Physics Peking University, Beijing 100871 (CN). **OTTO, Ralph** [DE/BE]; Schnellenberg 12, B–4721 Kelmis (BE).

(74) **PAUL, Dieter–Alfred** et al. / etc.; Fichtestrasse 18, D–41464 Neuss (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01R 33/3415, 33/48**

(11) **WO 99/54746** (13) A1

(21) PCT/IB99/00652

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 98201229.6 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MAGNETIC RESONANCE IMAGING METHOD AND APPARATUS
• PROCEDE ET APPAREIL D'IMAGERIE PAR RESONANCE MAGNETIQUE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).
(for all designated States except / pour tous les États désignés sauf US)

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72, 75) **PRUESMANN, Klaas, P.** [DE/NL]; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **WEIGER, Markus** [DE/NL]; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **SCHEIDEGGER, Markus, B.** [CH/NL]; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **BOESIGER, Peter** [CH/NL]; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **SCHOUTEN, Marcus, M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) BR CN JP KR RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **G01R 33/38**

(11) **WO 99/54747** (13) A1

(21) PCT/GB99/01177

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808219.1 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MAGNETIC GRADIENT FIELD PROJECTION
• PROJECTION DE CHAMP DE GRADIENT MAGNETIQUE

(71) **BTG INTERNATIONAL LIMITED** [GB/GB]; 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORRIS, Peter, Gordon** [GB/GB]; 23 Sutton Passeys Crescent, Wollaton Park, Nottingham N68 1BX (GB). **JAMEA, Abdullah, Hussien** [EG/SA]; Kingsaud University, Radiology Dept., MRI, KKUH 40, P.O. Box 2925, Riyadh 11461 (SA).

(74) **BUTTRICK, Richard**; BTG International Limited, Patents Division, 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).

(81) CA IL JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01R 33/48**

(11) **WO 99/54748** (13) A1

(21) PCT/DE99/01148

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 228.1 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPUTER AND METHOD FOR EVALUATING NUCLEAR MAGNETIC RESONANCE TOMOGRAPHY DATA (TURBO–PEPSI)
• ORDINATEUR ET PROCEDE PERMETTANT DE TRAITER LES DONNEES D'UN SCANNER A RESONANCE MAGNETIQUE NUCLEAIRE (TURBO– PEPSI)

(71) **FORSCHUNGSZENTRUM JÜLICH GMBH** [DE/DE]; D–52425 Jülich (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **POSSE, Stefan** [DE/DE]; Monschauer Landstrasse 46, D–52355 Düren (DE). **KISELEV, Valeri** [BY/DE]; Einsteinstrasse 3, D–52428 Jülich (DE).

(74) **JOSTARNDT, Hans–Dieter**; Charlottenstrasse 20, D–52070 Aachen (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **G01R 33/48**

(11) **WO 99/54749** (13) A1

(21) PCT/GB99/01034

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) en (26) en

(30) 9808333.0 **18 Apr/avr 1998** GB **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN NMR FIELD–CYCLING SPECTROMETER IN WHICH THE SAMPLE IS CONVEYED ON A CIRCULAR PATH AT A PREDETERMINED ANGULAR VELOCITY
• SPECTROMETRE A CYCLAGE DE CHAMP POUR RMN ASSURANT LE DEPLACEMENT D'UN ECHANTILLON SUR UN TRAJET CIRCULAIRE A UNE VITESSE ANGULAIRE PREETABLIE

(71) **INSTITUTE OF FOOD RESEARCH** [GB/GB]; Norwich Research Park, Colney, Norwich NR4 7UA (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HILLS, Brian, Philip** [GB/GB]; 5 Taverham Chase, Taverham, Norwich NR8 6NZ (GB).

(74) **CHARIG, Raymond**; Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01R 33/54**

(11) **WO 99/54750** (13) A1

(21) PCT/IB99/00610

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 98201264.3 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR IMAGING AN OBJECT BY MEANS OF MAGNETIC RESONANCE
• PROCEDE ET DISPOSITIF D'IMAGERIE D'UN OBJET PAR RESONANCE MAGNETIQUE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE). *(only for / seulement pour SE)*

(72) **HASELHOFF, Eltjo, H.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **DE BECKER, Jan, F., L.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **SCHOUTEN, Marcus, M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01R 33/54, 33/483**

(11) **WO 99/54751** (13) A1

(21) PCT/NO99/00082

(22) **9 Mar/mar 1999 (09.03.1999)**

(25) no (26) en

(30) 19981517 **3 Apr/avr 1998** NO **(03.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR MEASURING FAT AND WATER CONTENT IN A BIOLOGICAL SAMPLE
• PROCEDE PERMETTANT DE MESURER LA TENEUR EN EAU ET EN GRAISSES D'UN ECHANTILLON BIOLOGIQUE

(71, 72) **SØRLAND, Geir, H.** [NO/NO]; Hagebyveien 32, N–9404 Harstad (NO).

(74) **RUDI, Alf–Petter**; Jurikon Teknologi AS, Storgata 102, N–9008 Tromsø (NO).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01S 5/14**

(11) **WO 99/54752** (13) A1

(21) PCT/US99/07989

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/064,673 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SATELLITE POSITIONING SYSTEM AUGMENTATION WITH WIRELESS COMMUNICATION SIGNALS
• EXTENSION D'UN SYSTEME DE POSITIONNEMENT PAR SATELLITE AVEC SIGNAUX DE RADIOCOMMUNICATION

(71) **SNAPTRACK, INC.** [US/US]; Suite 250, 4040 Moorpark Avenue, San Jose, CA 95117 (US).

(72) **SHEYNBLAT, Leonid**; 1208 North Road, Belmont, CA 94002 (US).

(74) **SCHELLER, James, C., Jr.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01S 5/14**

(11) **WO 99/54753** (13) A1

(21) PCT/US99/08600

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,028 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR PROVISIONING ASSISTANCE GLOBAL POSITIONING SYSTEM INFORMATION TO A MOBILE STATION
• SYSTEME ET PROCEDE FOURNISSANT A UNE STATION MOBILE DES INFORMATIONS D'ASSISTANCE RELATIVES AU GPS

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **KINGDON, Christopher, H.**; 3038 Kingswood Drive, Garland, TX 75040 (US). **ZADEH, Bagher, R.**; 14332 Montford #11207, Dallas, TX 75240 (US). **KRANSMO, Jan, Lennart**; 2504 Deer Horn Drive, Plano, TX 75025 (US).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01T**

(11) **WO 99/54754** (13) A2

(21) PCT/US99/05356

(22) **11 Mar/mar 1999 (11.03.1999)**

(25) en (26) en

(30) 09/062,222 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEADTIME CORRECTION IN A NUCLEAR MEDICINE IMAGING SYSTEM
• CORRECTION DE TEMPS MORT DANS UN SYSTEME D'IMAGERIE MEDICALE NUCLEAIRE

(71) **ADAC LABORATORIES** [US/US]; 540 Adler Drive, Milpitas, CA 95035 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHAO, Lingxiong** [CN/US]; 540 Alder Drive, Milpitas, CA 95035 (US). **NELLEMANN, Peter** [DK/US]; 540 Alder Drive, Milpitas, CA 95035 (US). **COLES, David** [GB/US]; 540 Alder Drive, Milpitas, CA 95035 (US).

(74) **BECKER, Jordan, M.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01T**

(11) **WO 99/54755** (13) A2

(21) PCT/US99/08517

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,396 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS AND SYSTEMS FOR REMOVING ARTIFACTS INTRODUCED BY IMAGE REGISTRATION
• PROCEDES ET SYSTEMES D'ELIMINATION DES ARTEFACTS INTRODUITS PAR L'ALIGNEMENT DES IMAGES

(71) **THE McLEAN HOSPITAL CORPORATION** [US/US]; 115 Mill Street, Belmont, MA 02178 (US).

(72) **MAAS, Luis, C.**; 147 University Road, Brookline, MA 02146 (US).

(74) **FASSE, J., Peter**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01T 1/164**

(11) **WO 99/54756** (13) A1

(21) PCT/US99/06341

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) en (26) en

(30) 09/062,303 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DUAL–PURPOSE RADIATION TRANSMISSION SOURCE FOR NUCLEAR MEDICINE IMAGING SYSTEM
• SOURCE DE RAYONNEMENT A DOUBLE USAGE POUR SYSTEME D'IMAGERIE MEDICALE NUCLEAIRE

(71) **ADAC LABORATORIES** [US/US]; 540 Alder Drive, Milpitas, CA 95035 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HINES, Horace, H.** [US/US]; 540 Alder Drive, Milpitas, CA 95035 (US). **FARMER, Ian** [GB/US]; 540 Alder Drive, Milpitas, CA 95035 (US). **NELLEMAN, Peter** [DK/US]; 540 Alder Drive, Milpitas, CA 95035 (US). **SHAO, Lingxion** [CN/US]; 540 Alder Drive, Milpitas, CA 95035 (US). **BERTELSEN, Hugo** [DK/US]; 540 Alder Drive, Milpitas, CA 95035 (US).

(74) **BECKER, Jordan, M.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01T 1/20**

(11) **WO 99/54757** (13) A1

(21) PCT/US99/05216

(22) **10 Mar/mar 1999 (10.03.1999)**

(25) en (26) en

(30) 09/062,226 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR CORRECTING FOR RANDOM COINCIDENCES IN A NUCLEAR MEDICINE IMAGING SYSTEM
• PROCEDE ET DISPOSITIF DE CORRECTION DE COINCIDENCES ALEATOIRES DANS UN SYSTEME D'IMAGERIE MEDICALE NUCLEAIRE

(71) **ADAC LABORATORIES** [US/US]; 540 Alder Drive, Milpitas, CA 95035 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHAO, Lingxiong** [CN/US]; 540 Alder Drive, Milpitas, CA 95035 (US). **COLES, David** [GB/US]; 540 Alder Drive, Milpitas, CA 95035 (US).

(74) **BECKER, Jordan, M.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G01V 1/28, 1/36**

(11) **WO 99/54758** (13) A1

(21) PCT/US99/08002

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 60/082,251 **17 Apr/avr 1998** US **(17.04.1998)**

(30) Not furnished / non communiqué **7 Apr/avr 1999** US **(07.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONVERTED–WAVE PROCESSING IN MANY–LAYERED, ANISOTROPIC MEDIA
• TRAITEMENT D'ONDES CONVERTIES DANS UN MILIEU ANISOTROPE MULTICOUCHES

(71) **BP AMOCO CORPORATION** [US/US]; Law Dept., M/C 1907A, 200 E. Randolph Drive, P.O. Box 87703, Chicago, IL 60680–0703 (US).

(72) **THOMSEN, Leon**; 501 WestLake Park Boulevard, Houston, TX 77253–3092 (US).

(74) **GABALA, James, A.**; BP Amoco Corporation, Law Dept., M/C 1907A, P.O. Box 87703, Chicago, IL 60680–0703 (US).

(81) AZ KZ NO TT; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G01V 3/32, G01R 33/44**

(11) **WO 99/54759** (13) A1

(21) PCT/US99/08862

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,647 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POROSITY AND PERMEABILITY MEASUREMENT OF UNDERGROUND FORMATIONS CONTAINING CRUDE OIL, USING EPR RESPONSE DATA
• MESURE DE LA POROSITE ET DE LA PERMEABILITE DE FORMATIONS SOUTERRAINES CONTENANT DU PETROLE BRUT AU MOYEN DE DONNEES DE REPONSE D'EPR

(71) **SOUTHWEST RESEARCH INSTITUTE** [US/US]; 6220 Culebra Road, San Antonio, TX 78238 (US).

(71, 72) **KING, James, Derwin** [US/US]; 7335 Wild Eagle Road, San Antonio, TX 78255 (US). **QINGWEN, Ni** [CN/US]; 5815 Welsch View, San Antonio, TX 78249 (US). **DE LOS SANTOS, Armando** [US/US]; 4839 Lyceum, San Antonio, TX 78229 (US).

(74) **LIVINGSTON, Ann, C.**; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201–2980 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G02B 5/124**

(11) **WO 99/54760** (13) A1

(21) PCT/JP99/02118

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/128295 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRIANGULAR PYRAMIDAL CUBE CORNER RETROREFLECTION SHEET
• FEUILLE DE RETROREFLEXION EN FORME DE TRIEDRE TRIRECTANGLE

(71) **NIPPON CARBIDE KOGYO KABUSHIKI KAISHA** [JP/JP]; 11–19, Kohnan 2–chome, Minato–ku, Tokyo 108–8466 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MIMURA, Ikuo** [JP/JP]; 3700–5, Butsuden, Uozu–shi, Toyama 937–0061 (JP). **ADACHI, Keiji** [JP/JP]; Nippon Carbide Kogyo Kabushiki Kaisha Sano–ryo, 53, Yoneyamaminami–cho, Sano–shi, Tochigi 327–0818 (JP).

(74) **ODAJIMA, Heikichi** et al. / etc.; Odajima Patent Office, Nippon Jitensha Building, 9–15, Akasaka 1–chome, Minato–ku, Tokyo 107–0052 (JP).

(81) CA CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02B 6/00**

(11) **WO 99/54761** (13) A1

(21) PCT/US99/08247

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,071 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STRUCTURE FOR MICRO–MACHINE OPTICAL TOOLING AND METHOD FOR MAKING AND USING
• STRUCTURE POUR OUTILLAGE OPTIQUE MICRO–USINE ET PROCEDE DE FABRICATION ET D'UTILISATION

(71) **SEAGATE TECHNOLOGY, INC.** [US/US]; 920 Disc Drive, Scotts Valley, CA 95066 (US).

(72) **JERMAN, John, H.**; 3056 Ramona Street, Palo Alto, CA 94306 (US). **GRADE, John, D.**; 400 Ortega Avenue #217, Mountain View, CA 94040 (US).

(74) **ANANIAN, R., Michael** et al. / etc.; Flehr Hohbach Test Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111–4187 (US).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02B 6/00, 6/36**

(11) **WO 99/54762** (13) A1

(21) PCT/US99/08670

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,122 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PASSIVELY ALIGNED OPTO–ELECTRONIC COUPLING ASSEMBLY
• ENSEMBLE DE COUPLAGE OPTOELECTRONIQUE A ALIGNEMENT PASSIF

(71) **CIELO COMMUNICATIONS, INC.** [US/US]; Building A, 325 Interlocken Parkway, Broomfield, CO 80021 (US).

(72) **MOORE, Andrew, J.**; 1313 Iris Circle, Broomfield, CO 80020 (US).

(74) **HASAN, Syed, A.**; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109–7068 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G02B 6/02, C03B 37/02**

(11) **WO 99/54763** (13) A1

(21) PCT/US99/07845

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 60/082,699 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF MAKING OPTICAL FIBERS
• PROCEDE DE FABRICATION DE FIBRES OPTIQUES

(71) **CORNING INCORPORATED** [US/US]; 1 Riverfront Plaza, Corning, NY 14831 (US).

(72) **BERKEY, George, E.**; 11551 Riley Hill Road, Pine City, NY 14871 (US).

(74) **CARLSON, Robert, L.**; Corning Incorporated, Patent Dept., SP FR 02–12, Corning, NY 14831 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02B 6/12**

(11) **WO 99/54764** (13) A1

(21) PCT/KR99/00191

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) ja (26) ja

(30) 1998/14355 **22 Apr/avr 1998** KR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BIDIRECTIONAL OPTICAL WAVELENGTH MULTIPLEXER/DIVIDER
• REPARTITEUR/MULTIPLEXEUR BIDIRECTIONNELS EN LONGUEURS D'ONDE OPTIQUE

(71) **SAMSUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan–dong, Paldal–gu, Suwon–city, Kyungki–do 442–373 (KR). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **KIM, Hyoun, Soo** [KR/KR]; 801–1002 Jinheung Apt., 111, Imae–dong, Bundang–gu, Sungnam–city, Kyungki–do 463–070 (KR). **HAN, Dong, Kyoon** [KR/KR]; 7–13 Sambu Apt., 30–3, Yeoido–dong, Youngdeungpo–gu, Seoul 150–010 (KR).

(74) **LEE, Young, Pil**; The Cheonghwa Building, 1571–18, Seocho–dong, Seocho–gu, Seoul 137–073 (KR).

(81) AU BR CA CN IN JP MX RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **G02B 6/16, 6/42, H01S 3/06, 3/0941**

(11) **WO 99/54765** (13) A1

(21) PCT/JP99/02067

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/112209 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OPTICAL FIBER, LIGHT–EMITTING MODULE, AND OPTICAL FIBER AMPLIFIER
• FIBRE OPTIQUE, MODULE LUMINEUX ET AMPLIFICATEUR A FIBRE OPTIQUE

(71) **SUMITOMO ELECTRIC INDUSTRIES, LTD.** [JP/JP]; 5–33, Kitahama 4–chome, Chuo–ku, Osaka–shi, Osaka 541–0041 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **KAKUI, Motoki** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP). **ISHIKAWA, Shinji** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP). **SASAKI, Takashi** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP).

(74) **HASEGAWA, Yoshiki** et al. / etc.; Soei Patent and Law Firm, 6F., Kyobashi National Building, 13–10, Kyobashi 2–chome, Chuo–ku, Tokyo 104–0031 (JP).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02B 6/16, 6/28**

(11) **WO 99/54766** (13) A1

(21) PCT/US99/06856

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) en (26) en

(30) 09/064,363 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIPLE–CORE OPTICAL FIBERS AND ASSOCIATED COUPLING METHODS
• FIBRES OPTIQUES MULTI–COEUR ET LEURS TECHNIQUES DE COUPLAGE

(71) **THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY** [US/US]; Stanford, CA 94305 (US).

(72) **DAVIS, Monica, K.**; 227 W. William Street, Corning, NY 14830 (US). **DIGONNET, Michel, J., F.**; 2090 Cornell, Palo Alto, CA 94306 (US).

(74) **SIMPSON, Andrew, H.**; Knobbe, Martens, Olson and Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G02B 6/26, 6/22**

(11) **WO 99/54767** (13) A1

(21) PCT/CA99/00214

(22) **17 Mar/mar 1999 (17.03.1999)**

(25) en (26) en

(30) 2,231,991 **22 Apr/avr 1998** CA **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH–ATTENUATION FIBER WITH CLADDING MODE SUPPRESSION FOR ALL–FIBER OPTICAL ATTENUATOR
• FIBRE HAUTE ATTENUATION AVEC SUPPRESSION DU MODE DE GAINE POUR ATTENUATEUR OPTIQUE TOUT OPTIQUE

(71) **INSTITUT NATIONAL D'OPTIQUE** [CA/CA]; 369 rue Franquet, Sainte–Foy, Quebec G1P 4N8 (CA).

(72) **CHENARD, François**; 1113 Fontainebleau, Sainte–Foy, Quebec G1W 4E9 (CA). **CROTEAU, André**; 1301 Route Rousseau, Saint–Agapit, Quebec G0S 1Z0 (CA).

(74) **ROBIC**; 55 Saint–Jacques, Montreal, Quebec H2Y 3X2 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G02B 6/26**

(11) **WO 99/54768** (13) A1

(21) PCT/US99/08574

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/063,295 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INTERMEDIATE–STATE–ASSISTED OPTICAL COUPLER
• COUPLEUR OPTIQUE A ETAT INTERMEDIAIRE ASSISTE

(71) **TECHNION RESEARCH & DEVELOPMENT FOUNDATION LTD.** [IL/IL]; Technion City, 32000 Haifa (IL).
(for all designated States except / pour tous les États désignés sauf US)

(71) **FRIEDMAN, Mark, M.** [US/IL]; Alharizi 1, 43406 Raanana (IL).
(only for / seulement pour TJ)

(72, 75) **VOROBEICHIK, Ilya** [IL/IL]; Hanavi Nahum Street 4/8, 77464 Ashdod (IL). **MOISEYEV, Nimrod** [IL/IL]; Shazar Street 16, 34861 Haifa (IL). **ORENSTEIN, Meir** [IL/IL]; Yigal Alon Street 10/1, 32983 Haifa (IL).

(74) **FRIEDMAN, Mark, M.**; c/o Anthony Castorina, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA 22202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G02B 6/38**

(11) **WO 99/54769** (13) A1

(21) PCT/US99/08541

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/064,952 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PLUG HOUSING WITH ATTACHED CANTILEVER LATCH FOR A FIBER OPTIC CONNECTOR
• BOITIER DE PRISE A VERROU EN PORTE A FAUX FIXE SUR CE DERNIER POUR CONNECTEUR DE FIBRES OPTIQUES

(71) **THE WHITAKER CORPORATION** [US/US]; Suite 450, 4550 New Linden Hill Road, Wilmington, DE 19808 (US).

(72) **MANNING, Randy, M.**; 610 Bridge Street, New Cumberland, PA 17070 (US). **EDWARDS, Bryan, T.**; 6 Blackshore Court, Camp Hill, PA 17011 (US). **BUCHTER, Shelly, Ann**; 35 Wadsworth Drive, East Berlin, PA 17316 (US). **BRIGGS, Robert, C.**; 342 North 4th Street, Newport, PA 17074 (US).

(74) **ANASTASI, Salvatore** et al. / etc.; The Whitaker Corporation, Suite 450, 4550 New Linden Hill Road, Wilmington, DE 19808 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G02B 6/40**

(11) **WO 99/54770** (13) A1

(21) PCT/JP99/02068

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/109473 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FERRULE FOR OPTICAL CONNECTOR, METHOD OF PRODUCING THE SAME, AND OPTICAL CONNECTOR COMPRISING THE SAME
• FERRULE POUR CONNECTEUR OPTIQUE, PROCEDE DE PRODUCTION ET CONNECTEUR COMPRENANT CETTE FERRULE

(71) **SUMITOMO ELECTRIC INDUSTRIES, LTD.** [JP/JP]; 5–33, Kitahama 4–chome, Chuo–ku, Osaka–shi, Osaka 541–0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KATSURA, Hiroshi** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP). **SAKURAI, Wataru** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP). **KAKII, Toshiaki** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP). **SHIBATA, Masahiro** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP).

(74) **HASEGAWA, Yoshiki** et al. / etc.; Soei Patent and Law Firm, 6F., Kyobashi National Building, 13–10, Kyobashi 2–chome, Chuo–ku, Tokyo 104–0031 (JP).

(81) AU CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02B 6/42, G11B 7/135**

(11) **WO 99/54771** (13) A1

(21) PCT/US99/07109

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) en (26) en

(30) 60/082,097 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/190,429 **12 Nov/nov 1998** US **(12.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR EFFICIENT COUPLING BETWEEN OPTICAL ELEMENTS
• SYSTEME ET PROCEDE DE COUPLAGE EFFICACE ENTRE DES ELEMENTS OPTIQUES

(71) **SEAGATE TECHNOLOGY, INC.** [US/US]; 920 Disc Drive, Scotts Valley, CA 95066 (US).

(72) **BELSER, Karl, A.**; 5544 Drysdale Drive, San Jose, CA 95124 (US). **SZITA, Gabor, G.**; 3745 Terstena Place #164, Santa Clara, CA 95051 (US). **LEE, Howard, S.**; 1532 Woodmeadow Court, San Jose, CA 95131 (US).

(74) **KOERNER, Gregory, J.**; Carr & Ferrell LLP, Suite 200, 2225 East Bayshore Road, Palo Alto, CA 94303 (US) et al. / etc.

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02B 6/42**

(11) **WO 99/54772** (13) A1

(21) PCT/US99/08447

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/063,190 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSCEIVER WITH INTEGRAL SERIAL–TO–PARALLEL CONVERSION AND ASSOCIATED METHOD
• EMETTEUR–RECEPTEUR INTEGRANT UNE CONVERSION SERIE/PARALLELE ET PROCEDE CORRESPONDANT

(71) **METHODE ELECTRONICS OF FLORIDA, INC.** [US/US]; Suite A, 3950 Dow Road, Melbourne, FL 32934 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHARF, Robert, M.** [US/US]; 5425 Willoughby Drive, Melbourne, FL 32934 (US). **LORD, Randal, B.** [US/US]; 4358 Davidia Drive, Melbourne, FL 32934 (US).

(74) **REGAN, Christopher, F.**; Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A., Suite 1401, 255 South Orange Avenue, Orlando, FL 32802–3791 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **G02B 7/02, 13/00, 23/00, 25/00, G02C 1/00**

(11) **WO 99/54773** (13) A1

(21) PCT/US99/07738

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/062,936 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MAGNIFICATION VIEWER
• LUNETTES DE GROSSISSEMENT

(71) **SURGICAL ACUITY, INC.** [US/US]; 5225–3 Verona Road, Madison, WI 53744–4451 (US).

(72) **CAPLAN, Charles, A.**; 5210 Hedden Circle, Middleton, WI 53562 (US). **BUCHROEDER, Richard, Alfred**; 8 South Bella Vista Drive, Tucson, AZ 85745 (US). **BUSHROE, Frederick, N.**; 2742 E. Devon Street, Tucson, AZ 85716 (US). **FORD, Anthony, Ralph**; 5141 E. Camino Faja, Tucson, AZ 85718 (US).

(74) **SAMPLES, Kenneth, H.** et al. / etc.; Fitch, Even, Tabin & Flannery, Room 1600, 120 South LaSalle, Chicago, IL 60603 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G02B 7/105, 26/10, G09G 3/26, G11B 7/013, 7/095, H04N 9/10**

(11) **WO 99/54774** (13) A1

(21) PCT/IB99/00584

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 98201239.5 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF MANUFACTURING A LENS SYSTEM COMPRISING TWO LENS ELEMENTS
• PROCEDE DE FABRICATION DE SYSTEME DE LENTILLES A DEUX LENTILLES

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockolm (SE).
(only for / seulement pour SE)

(72) **BAARTMAN, Jan, P.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **AARTS, Jan, W.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **WOLFS, Marc, J., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02B 26/08**

(11) **WO 99/54775** (13) A1

(21) PCT/JP98/01787

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF PRODUCING LIGHT MODULATION DEVICE AND PROJECTOR
• PROCEDE DE PRODUCTION D'UN DISPOSITIF DE MODULATION DE LUMIERE ET D'UN PROJECTEUR

(71) **SEIKO EPSON CORPORATION** [JP/JP]; 4–1, Nishishinjuku 2–chome, Shinjuku–ku, Tokyo 163–0811 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YOKOYAMA, Osamu** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano–ken 392–8502 (JP). **SHIMODA, Tatsuya** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano–ken 392–8502 (JP). **MIYASHITA, Satoru** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano–ken 392–8502 (JP).

(74) **INABA, Yoshiyuki** et al. / etc.; TMI Associates, 37 Mori Building, Suite 803, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–0001 (JP).

(81) KR US; EP (DE FR GB NL).

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(51)[6] **G02B 27/08**

(11) **WO 99/54776** (13) A1

(21) PCT/JP98/01839

(22) **22 Apr/avr 1998 (22.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • KALEIDOSCOPE
• KALEIDOSCOPE

(71) **OCHI INTERNATIONAL KABUSHIKI KAISHA** [JP/JP]; 693–20, Haruoka, Fukuroi–shi, Shizuoka 437–0122 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OCHI, Hirotomo** [JP/JP]; 693–20, Haruoka, Fukuroi–shi, Shizuoka 437–0122 (JP).

(74) **SUZUKI, Shoji** et al. / etc.; Nihonseimeiyotsuya Building, 6th floor, 16–2, Samoncho, Shinjuku–ku, Tokyo 160–0017 (JP).

(81) AU BG BR CA CN CZ HU ID IL JP KR LK MN MX NZ PL RO RU SG SK TR US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02B 27/08**

(11) **WO 99/54777** (13) A1

(21) PCT/JP99/00471

(22) **4 Feb/fév 1999 (04.02.1999)**

(25) ja (26) ja

(30) PCT/JP98/01839 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • KALEIDOSCOPE
• KALEIDOSCOPE

(71) **OCHI INTERNATIONAL KABUSHIKI KAISHA** [JP/JP]; 693–20, Haruoka, Fukuroi–shi, Shizuoka 437–0122 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OCHI, Hirotomo** [JP/JP]; 693–20, Haruoka, Fukuroi–shi, Shizuoka 437–0122 (JP).

(74) **SUZUKI, Shoji** et al. / etc.; Nihonseimeiyotsuya Building, 6th floor, 16–2, Samoncho, Shinjuku–ku, Tokyo 160–0017 (JP).

(81) AU BG BR CA CN CZ HU ID IL JP KR LK MN MX NZ PL RO RU SG SK TR US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02C**

(11) **WO 99/54778** (13) A2

(21) PCT/US99/08687

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,655 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 60/094,428 **28 Jul/juil 1998** US **(28.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EYEGLASSES HAVING BIOMAGNETS AND TEMPLE TIPS FOR EYEGLASSES HAVING BIOMAGNETS
• LUNETTES DE VUE COMPRENANT DES BIO–AIMANTS, EMBOUTS DE BRANCHES DE LUNETTES COMPRENANT DES BIO–AIMANTS

(71, 72) **SCHLEGER, Stanley** [US/US]; 535 Dorado Court, North Hills, NY 11567 (US).

(72) **YANG, Thomas**; Apartment 3B, 4052 7th Street, Elmhurst, NY 11373 (US).

(74) **DUJMICH, Louis, C.** et al. / etc.; Ostrolenk, Faber, Gerb & Soffen, LLP, 1180 Avenue of the Americas, New York, NY 10036 (US).

(81) AU CA CN JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02C 7/10, 11/02**

(11) **WO 99/54779** (13) A1

(21) PCT/RU99/00116

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ru (26) ru

(30) 98107417 **21 Apr/avr 1998** RU **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LENSES FOR HOLOGRAPHIC GLASSES AND VARIANTS
• VERRES POUR LUNETTES HOLOGRAPHIQUES ET VARIANTES

(71) **TASR LIMITED** [BS/BS]; 94 Dowdeswell Street, Island of New Providence, P.O. Box N–7521, Nassau (BS).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GULANYAN, Emin Khachikovich** [RU/RU]; ul. Sadovaya–Spasskaya, 21–61, Moscow, 107078 (RU).

(74) **KURAPOV, Gennady Petrovich**; Transtechnology, Leningradsky prospekt, 23, Moscow, 125040 (RU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02F 1/1335, H05B 33/22**

(11) **WO 99/54780** (13) A1

(21) PCT/GB99/01157

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 9808181.3 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BACKLIT DISPLAYS
• ECRANS RETROECLAIRES

(71) **CAMBRIDGE DISPLAY TECHNOLOGY LTD.** [GB/GB]; 181a Huntingdon Road, Cambridge CB3 0DJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PICHLER, Karl** [AT/US]; Floor 2, 18 Hillside Avenue, Wappingers Falls, NY 12590 (US).

(74) **SLINGSBY, Philip, Roy** et al. / etc.; Page White & Farrer, 54 Doughty Street, London WC1N 2LS (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G02F 1/1335**

(11) **WO 99/54781** (13) A1

(21) PCT/JP99/01890

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) ja (26) ja

(30) 10/108191 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REFLECTION LIQUID CRYSTAL DISPLAY DEVICE
• DISPOSITIF D'AFFICHAGE A CRISTAUX LIQUIDES REFLECTIFS

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMAGUCHI, Hisanori** [JP/JP]; 4–12–4–202, Honmachi, Nonoichi–cho, Ishikawa–gun, Isikawa 921–8815 (JP). **SEKIME, Tomoaki** [JP/JP]; 3–122–1–106, Ohnuka, Kanazawa–shi, Isikawa 921–8147 (JP). **IWAI, Yoshio** [JP/JP]; 1–5–1–211, Arimatsu, Kanazawa–shi, Isikawa 921–8161 (JP). **OGAWA, Tetsu** [JP/JP]; 2–18–8, Yayoi, Kanazawa–shi, Isikawa 921–8036 (JP).

(74) **IWAHASHI, Fumio** et al. / etc.; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G02F 1/37, 1/35**

(11) **WO 99/54782** (13) A1

(21) PCT/EP99/02657

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 18 612.6 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR FREQUENCY CONVERSION, ESPECIALLY FOR DOUBLING THE FREQUENCY OF FIXED–FREQUENCY LASERS
• PROCEDE ET DISPOSITIF DE CONVERSION DE FREQUENCE, NOTAMMENT DE DOUBLEMENT DE LA FREQUENCE DE LASERS A FREQUENCE FIXE

(71) **LAS LASER ANALYTICAL SYSTEMS GMBH** [DE/DE]; Ruhlsdorfer Strasse 95, D–14532 Stahnsdorf (DE).

(72) **ZANGER, Eckhard**; Steinstrasse 19, D–12169 Berlin (DE). **GRIES, Wolfgang**; Niedstrasse 6, D–12159 Berlin (DE).

(74) **HENGELHAUPT, Jürgen, D.** et al. / etc.; Lützowplatz 11–13, D–10785 Berlin (DE).

(81) CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G03B 9/10**

(11) **WO 99/54783** (13) A1

(21) PCT/US99/01222

(22) **20 Jan/jan 1999 (20.01.1999)**

(25) en (26) en

(30) 09/063,879 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LINEAR ARRAY EYE TRACKER
• OCULOMETRE A BARRETTE

(63) US 09/063,879 (CON)
21 Apr/avr 1998 (21.04.1998)

(71) **VISX, INCORPORATED** [US/US]; 3400 Central Expressway, Santa Clara, CA 95051 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YEE, Kingman** [US/US]; 1081 West Olive Avenue #4, Sunnyvale, CA 94086 (US).

(74) **BARRISH, Mark, D.** et al. / etc.; Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th floor, San Francisco, CA 94111–3834 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G03C 5/00, G03F 7/00, 7/20**

(11) **WO 99/54784** (13) A1

(21) PCT/US99/08805

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,575 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 60/112,797 **18 Dec/déc 1998** US **(18.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FREE–FORM NANOFABRICATION USING MULTI–PHOTON EXCITATION
• NANOFABRICATION A STRUCTURE LIBRE UTILISANT UNE EXCITATION MULTIPHOTONIQUE

(71) **UNIVERSITY OF CONNECTICUT** [US/US]; 263 Farmington Avenue, MC5355, Farmington, CT 06030–5355 (US).

(72) **GOODMAN, Steven, L.**; 858 Terry Place, Madison, WI 53711 (US). **CAMPAGNOLA, Paul**; 34 Wheeler Road, Simsbury, CT 06070 (US).

(74) **REIMER, Leah, M.**; Cantor Colburn LLP, 88 Day Hill Road, Windsor, CT 06095 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G03F 1/00, 9/00, 7/20**

(11) **WO 99/54785** (13) A1

(21) PCT/DE99/00566

(22) **3 Mar/mar 1999 (03.03.1999)**

(25) de (26) de

(30) 198 17 714.3 **21 Apr/avr 1998 (21.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR MEASURING THE POSITION OF STRUCTURES ON A SURFACE OF A MASK
• PROCEDE POUR LA MESURE DU POSITIONNEMENT DE STRUCTURES SUR UNE SURFACE DE MASQUAGE

(71) **LEICA MICROSYSTEMS WETZLAR GMBH** [DE/DE]; Postfach 20 40, D–35530 Wetzlar (DE).

(72) **BLÄSING–BANGERT, Carola**; Elbestrasse 31, D–35625 Hüttenberg (DE).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G03F 7/00, 1/00, 7/12, B41C 1/14**

(11) **WO 99/54786** (13) A1

(21) PCT/US99/08623

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,742 **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELASTOMERIC MASK AND USE IN FABRICATION OF DEVICES, INLCUDING PIXELATED ELECTROLUMINESCENT DISPLAYS
• MASQUE ELASTOMERE ET SON UTILISATION DANS LA FABRICATION DE DISPOSITIFS, DONT DES AFFICHEURS ELECTROLUMINESCENTS PIXELISES

(71) **PRESIDENT AND FELLOWS OF HARVARD COLLEGE** [US/US]; Holyoke Center, Suite 727, 1350 Massachusetts Avenue, Cambridge, MA 02138 (US). **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02139 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JACKMAN, Rebecca, J.** [GB/US]; 38 Grove Street #2, Boston, MA 02114 (US). **DUFFY, David, C.** [GB/US]; 18 Forest Street, #4, Cambridge, MA 02140 (US). **WHITESIDES, George, M.** [US/US]; 124 Grasmere Street, Newton, MA 02158 (US). **VAETH, Kathleen, M.** [US/US]; Apartment 12C2, 550 Memorial Drive, Cambrigde, MA 02139 (US). **JENSEN, Klavs, F.** [US/US]; 103 Outlook Drive, Lexington, MA 02421 (US).

(74) **OYER, Timothy, J.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G03F 7/037, 7/022, C08L 77/06, C09D 177/06, H01L 21/027**

(11) **WO 99/54787** (13) A1

(21) PCT/JP99/02002

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/105098 **15 Apr/avr 1998 (15.04.1998)** JP

(30) 10/342090 **1 Dec/déc 1998 (01.12.1998)** JP

(30) 10/342091 **1 Dec/déc 1998 (01.12.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POSITIVE RESIST COMPOSITION
• COMPOSITION DE RESINE PHOTOSENSIBLE POSITIVE

(71) **ASAHI KASEI KOGYO KABUSHIKI KAISHA** [JP/JP]; 2–6, Dojimahama 1–chome, Kita–ku, Osaka–shi, Osaka 530–8205 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKAHASHI, Hideaki** [JP/JP]; 143, Tsutacho, Fuji–shi, Sizuoka 417–0035 (JP). **KIMURA, Masashi** [JP/JP]; 1008–36, Mitsuzawa, Fuji–shi, Sizuoka 417–0855 (JP). **SASAKI, Takahiro** [JP/JP]; Asahikaseinishiapato 645, 100, Kawanarijima, Fuji–shi, Sizuoka 416–0939 (JP).

(74) **ASAMURA, Kiyoshi** et al. / etc.; New Ohtemachi Building, Room 331, 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).

(81) JP KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G03F 7/039, 7/004, C08F 2/44, 2/48, C09D 4/06**

(11) **WO 99/54788** (13) A1

(21) PCT/JP99/02026

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/107628 **17 Apr/avr 1998 (17.04.1998)** JP

(30) 10/107629 **17 Apr/avr 1998 (17.04.1998)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHOTOSENSITIVE RESIN COMPOSITION
• COMPOSITION DE RESINE PHOTOSENSIBLE

(71) **KANSAI PAINT CO., LTD.** [JP/JP]; 33–1, Kanzaki–cho, Amagasaki–shi, Hyogo 661–0964 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOJIMA, Daisuke** [JP/JP]; Kansai Paint Hiratsuka–ryo, 4–13–12, Higashiyawata, Hiratsuka–shi, Kanagawa 254–0016 (JP). **ISOZAKI, Osamu** [JP/JP]; 401–68, Hirado–cho, Totsuka–ku, Yokohama–shi, Kanagawa 244–0803 (JP). **KOGURE, Hideo** [JP/JP]; 1–11–2–246, Tsumadahigashi, Atsugi–shi, Kanagawa 243–0813 (JP). **IMAI, Genji** [JP/JP]; 438–7, Shindo, Hiratsuka–shi, Kanagawa 254–0017 (JP).

(74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1–7–1, Doshomachi, Chuo–ku, Osaka–shi, Osaka 541–0045 (JP).

(81) JP US.

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(51)[6] **G04B 3/04, 19/28**

(11) **WO 99/54789** (13) A1

(21) PCT/IB99/00895

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) fr (26) fr

(30) 98/04814 **17 Apr/avr 1998 (17.04.1998)** FR

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR PROTECTING AND LOCKING A WATCH INTERCHANGEABLE FUNCTIONAL MODULE
• DISPOSITIF POUR PROTEGER ET VERROUILLER LE MODULE FONCTIONNEL INTERCHANGEABLE D'UNE MONTRE

(71, 72) **SUCHEL, Jean, Paul, Henri** [FR/FR]; 1, rue du 11 Novembre, F–78800 Houilles (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G04F 8/02, G04C 3/00, 10/04**

(11) **WO 99/54790** (13) A1

(21) PCT/JP99/02133

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/111062 **21 Apr/avr 1998 (21.04.1998)** JP

(30) 10/111063 **21 Apr/avr 1998 (21.04.1998)** JP

(30) 10/111064 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE AND METHOD FOR TIMING
• DISPOSITIF ET PROCEDE DE MESURE DU TEMPS

(71) **SEIKO EPSON CORPORATION** [JP/JP]; 4–1, Nishi–Shinjuku 2–chome, Shinjuku–ku, Tokyo 163–0811 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **MARUYAMA, Akihiko** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP).

(72, 75) **AKAHANE, Hidehiro** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP). **OKUHARA, Kenichi** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP). **KOIKE, Nobuhiro** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP).

(74) **SUZUKI, Kisaburo** et al. / etc.; Seiko Epson Corporation Intellectual Property Dept., 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G04F 8/02, G04C 3/00, 10/00**

(11) **WO 99/54791** (13) A1

(21) PCT/JP99/02134

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/111066 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CLOCK AND TIME MEASURING METHOD
• HORLOGE ET METHODE DE MESURE DU TEMPS

(71) **SEIKO EPSON CORPORATION** [JP/JP]; 4–1, Nishi–Shinjuku 2–chome, Shinjuku–ku, Tokyo 163–0811 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AKAHANE, Hidehiro** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP). **OKUHARA, Kenichi** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP). **MARUYAMA, Akihiko** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP). **KOIKE, Nobuhiro** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP).

(74) **SUZUKI, Kisaburo** et al. / etc.; Seiko Epson Corporation Intellectual Property Dept., 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP).

(81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G04F 8/02, 7/08, G04C 3/00, 10/00**

(11) **WO 99/54792** (13) A1

(21) PCT/JP99/02135

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/111065 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TIME MEASURING DEVICE
• DISPOSITIF DE MESURE DU TEMPS

(71) **SEIKO EPSON CORPORATION** [JP/JP]; 4–1, Nishi–Shinjuku 2–chome, Shinjuku–ku, Tokyo 163–0811 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AKAHANE, Hidehiro** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP). **OKUHARA, Kenichi** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP). **MARUYAMA, Akihiko** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP). **KOIKE, Nobuhiro** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP).

(74) **SUZUKI, Kisaburo** et al. / etc.; Seiko Epson Corporation, Intellectual Property Dept., 3–5, Owa 3–chome, Suwa–shi, Nagano 392–8502 (JP).

(81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G05B 19/042, 19/10**

(11) **WO 99/54793** (13) A1

(21) PCT/DE98/03778

(22) **23 Dec/déc 1998 (23.12.1998)**

(25) de (26) de

(30) 198 17 913.8 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REDUCING THE PROCESSOR OPERATING TIME FOR A PROGRAMMABLE CONTROLLER
• RACCOURCISSEMENT DU TEMPS DE CYCLE D'UN PROCESSEUR POUR UNE COMMANDE PROGRAMMABLE

(71) **MOELLER GMBH** [DE/DE]; Hein–Moeller–Strasse 7–11, D–53115 Bonn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HUBERT, Rolf** [DE/DE]; Glückstrasse 14, D–53229 Bonn (DE). **HÖGENER, Jürgen** [DE/DE]; Elbestrasse 3, D–53859 Niederkassel (DE). **BAUERFEIND, Dieter** [DE/DE]; Kurfürstenallee 26, D–53177 Bonn (DE).

(74) **MOELLER GMBH**; Hein–Moeller–Strasse 7–11, D–53115 Bonn (DE).

(81) BR JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G05B 19/42**

(11) **WO 99/54794** (13) A1

(21) PCT/DE99/01119

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 138.2 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOFTWARE COMPONENT FOR A DIAGNOSTIC SYSTEM WITH ASSISTANT–SUPPORTED CONFIGURING
• COMPOSANTE LOGICIELLE POUR UN SYSTEME DE DIAGNOSTIC AVEC PROJECTION ASSISTEE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MAIER, Karl–Heinz** [DE/DE]; Kesslerstrasse 12, D–90489 Nürnberg (DE). **VÖLKEL, Thomas** [DE/DE]; Lochau 14, D–95138 Bad Steben (DE). **KAISER, Lilian** [DE/DE]; Marbacher Strasse 14, D–70435 Stuttgart (DE). **KRÄMER, Rolf** [DE/DE]; Dr.–W–Schäffler–Strasse 51, D–91074 Herzogenaurach (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **G05D 7/00, B01D 47/00, C01B 17/00**

(11) **WO 99/54795** (13) A1

(21) PCT/US99/07345

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) en (26) en

(30) 09/064,015 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SULFUR DIOXIDE ABATEMENT SYSTEM
• SYSTEME DE DIMINUTION DU BIOXYDE DE SOUFRE

(71) **ENVIROCARE INTERNATIONAL, INC.** [US/US]; 27–M Commercial Boulevard, Novato, CA 94949 (US).

(72) **SCHWAB, James, J.**; 3539 Lowrey Court, Napa, CA 94558 (US).

(74) **SCHNAPF, David** et al. / etc.; Suite 3300, Four Embarcadero Center, San Francisco, CA 94111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G05D 11/13**

(11) **WO 99/54796** (13) A1

(21) PCT/US99/07626

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) en (26) en

(30) 60/080,990 **7 Apr/avr 1998 (07.04.1998)** US

(30) Not furnished / non communiqué **7 Apr/avr 1999 (07.04.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AUTOMATIC FOAM SOLUTION REGULATION FOR COMPRESSED–AIR–FOAM–SYSTEMS
• REGULATION AUTOMATIQUE DE SOLUTION MOUSSEUSE DESTINEE A DES SYSTEMES DE PRODUCTION DE MOUSSE A AIR COMPRIME

(71) **ENVIROFOAM TECHNOLOGIES, INC.** [US/US]; Suite 101, 424 East Southern Avenue, Tempe, AZ 85282 (US).

(72) **ROSENBAUM, Glen, Var**; 10601 South Poinciana Road, Gilbert, AZ 85234 (US). **MORAND, James, W.**; 3600 West Ray Road, Chandler, AZ 85226 (US).

(74) **GREAVES, John, N.** et al. / etc.; Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G05D 16/16, F16K 31/365**

(11) **WO 99/54797** (13) A1

(21) PCT/CA99/00349

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,429 **17 Apr/avr 1998 (17.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AUTOMATIC FLOW CONTROL VALVE WITH VARIABLE SET–POINTS
• VANNE AUTOMATIQUE DE REGULATION DE DEBIT A POINTS DE CONTROLE VARIABLES

(63) US 09/062,429 (CIP) 17 Apr/avr 1998 (17.04.1998)

(71, 72) **BLANN, Brian, David, Francis** [CA/CA]; 2430 Palmerston Avenue, West Vancouver, British Columbia V7V 2W3 (CA). **OKSANEN, Kari, Juhani** [CA/CA]; 705 West 64th Avenue, Vancouver, British Columbia V6P 2L2 (CA).

(74) **WOOD, Brian, J.** et al. / etc.; Feterhstonhaugh & Co., Box 11560 Vancouver Centre, Suite 220, 650 West Georgia Street, Vancouver, British Columbia V6B 4N8 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G05F 1/569**

(11) **WO 99/54798** (13) A1

(21) PCT/US99/09044

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,130 **23 Apr/avr 1998 (23.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POWER SUPPLY WITH PROGRAMMABLE VOLTAGE SLEW RATE AND METHOD
• BLOC D'ALIMENTATION A VITESSE DE BALAYAGE DE TENSION PROGRAMMABLE ET PROCEDE

(63) US 09/065,130 (CON) 23 Apr/avr 1998 (23.04.1998)

(71) **TRILECTRON INDUSTRIES, INC.** [US/US]; Suite 1644, 825 Brickell Bay, Miami, FL 33131 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ELLIOT, Stephen** [US/US]; 4615 Swordfish Drive, Bradenton, FL 34208 (US).

(74) **FELLER, Mitchell, S.** et al. / etc.; Darby & Darby P.C., 805 Third Avenue, New York, NY 10022–7513 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G05G 1/14**

(11) **WO 99/54799** (13) A1

(21) PCT/DE99/00681

(22) **9 Mar/mar 1999 (09.03.1999)**

(25) de (26) de

(30) 198 17 710.0 **21 Apr/avr 1998 (21.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUSPENDED PEDAL SUPPORT
• SUPPORT POUR PEDALES SUSPENDUES

(71) **ED. SCHARWÄCHTER GMBH** [DE/DE]; Hohenhagenerstrasse 26–28, D–42855 Remscheid (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BORCHERS, Wolf–Dieter** [DE/DE]; Morsbacher Strasse 48, D–42857 Remscheid (DE).

(74) **BONNEKAMP, Horst**; Bankstrasse 1, D–40478 Düsseldorf (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F**

(11) **WO 99/54800** (13) A2

(21) PCT/FI99/00320

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9808341.3 **20 Apr/avr 1998 (20.04.1998)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD AND APPARATUS FOR MODELLING A PROCESS
• PROCEDE ET APPAREIL DE MODELISATION D'UN PROCESSUS

(71) **TEAMWARE GROUP OY** [FI/FI]; Malminkartanonkuja 2, FIN–00390 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STOYE, Peter** [GB/GB]; 46 Hardy Avenue, Yately, Hantshire GU46 6XU (GB).

(74) **BORENIUS & CO. OY AB**; Kansakoulukuja 3, FIN–00100 Helsinki (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F**

(11) **WO 99/54801** (13) A2

(21) PCT/US99/08619

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,341 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS OF SUPPORTING AN AUDIO PROTOCOL IN A NETWORK
• PROCEDE ET APPAREIL D'INTEGRATION D'UN PROTOCOLE AUDIO A UN RESEAU

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, M/S UPAL01–521, Palo Alto, CA 94303 (US).

(72) **RUBERG, Alan, T.**; 605 Emerald Bay Lane, Foster City, CA 94404 (US).

(74) **HECKER, Gary, A.** et al. / etc.; Hecker & Harriman, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F**

(11) **WO 99/54802** (13) A2

(21) PCT/US99/08646

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,342 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR PROVIDING ERROR CORRECTION
• PROCEDE ET APPAREIL DE CORRECTION D'ERREURS

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, M/S: UPAL01–521, Palo Alto, CA 94303 (US).

(72) **HANKO, James, G.**; 2746 Ohio Avenue, Redwood City, CA 94061 (US). **RUBERG, Alan, T.**; 605 Emerald Bay Lane, Foster City, CA 94404 (US).

(74) **HECKER, Gary, A.** et al. / etc.; Hecker & Harriman, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F**

(11) **WO 99/54803** (13) A2

(21) PCT/US99/08665

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,339 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR SESSION MANAGEMENT AND USER AUTHENTICATION
• PROCEDE ET APPAREIL DE GESTION DE SESSION ET D'AUTHENTIFICATION DE L'UTILISATEUR

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, M/S: UPAL01–521, Palo Alto, CA 94303 (US).

(72) **WALL, Gerard, A.**; 4515 Crocus Drive, San Jose, CA 95156 (US). **RUBERG, Alan, T.**; 605 Emerald Bay Lane, Foster City, CA 94404 (US). **HANKO, James, G.**; 2746 Ohio Avenue, Redwood City, CA 94061 (US). **NORTHCUTT, J., Duane**; 184 Seminary Drive, Menlo Park, CA 94025 (US). **BUTCHER, Lawrence, L.**; 4315 Collens Court #8, Mountain View, CA 94043 (US).

(74) **HECKER, Gary, A.** et al. / etc.; Hecker & Harriman, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F**

(11) **WO 99/54804** (13) A2

(21) PCT/US99/08669

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,335 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR PROVIDING A VIRTUAL DESKTOP SYSTEM ARCHITECTURE
• PROCEDE ET APPAREIL POUR REALISER UNE ARCHITECTURE DE SYSTEME DE BUREAU VIRTUEL

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, M/S: UPAL01–521, Palo Alto, CA 94303 (US).

(72) **NORTHCUTT, J., Duane**; 184 Seminary Drive, Menlo Park, CA 94025 (US). **HANKO, James, G.**; 2746 Ohio Avenue, Redwood City, CA 94061 (US). **RUBERG, Alan, T.**; 605 Emerald Bay Lane, Foster City, CA 94404 (US). **WALL, Gerard, A.**; 4515 Crocus Drive, San Jose, CA 95150 (US). **BUTCHER, Lawrence, L.**; 4315 Collens Court #8, Mountain View, CA 94043 (US). **WILHELM, Neil, C.**; 2110 Prospect Street, Menlo Park, CA 94025 (US).

(74) **HECKER, Gary, A.** et al. / etc.; Hecker & Harriman, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F**

(11) **WO 99/54805** (13) A2

(21) PCT/US99/08674

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,491 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR MANAGEMENT OF COMMUNICATIONS OVER MEDIA OF FINITE BANDWIDTH
• PROCEDE ET DISPOSITIF DE GESTION DE COMMUNICATIONS SUR DES SUPPORTS A LARGEUR DE BANDE DELIMITEE

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, M/S UPAL01–521, Palo Alto, CA 94303 (US).

(72) **HANKO, James, G.**; 2746 Ohio Avenue, Redwood City, CA 94061 (US). **WALL, Gerard, A.**; 4515 Crocus Drive, San Jose, CA 95136 (US). **NORTHCUTT, J., Duane**; 184 Seminary Drive, Menlo Park, CA 94025 (US). **BUTCHER, Lawrence, L.**; 4315 Collens Court #8, Mountain View, CA 94040 (US). **RUBERG, Alan, T.**; 605 Emerald Bay Lane, Foster City, CA 94404 (US). **BOS, Herbert**; University of Cambridge, Computer Laboratory, New Museum Site, Pembroke Street, Cambridge CB2 3Q6 (GB).

(74) **HECKER, Gary, A.** et al. / etc.; Hecker & Harriman, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 1/32**

(11) **WO 99/54806** (13) A1

(21) PCT/US99/08652

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,977 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POWER REDUCTION ALGORITHM FOR ETHERNET TRANSCEIVER
• ALGORITHME POUR REDUIRE LA CONSOMMATION D'ENERGIE D'UN EMETTEUR/RECEPTEUR ETHERNET

(71) **XIRCOM, INC.** [US/US]; 2300 Corporate Center Drive, Thousand Oaks, CA 91320 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FOSTER, Jay, Arnold** [US/US]; 2001 Raleigh Avenue, Austin, TX 78703 (US).

(74) **CLAYTON, Grant, R.** et al. / etc.; Clayton, Howarth & Cannon, P.C., P.O. Box 1909, Sandy, UT 84091–1909 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 3/033**

(11) **WO 99/54807** (13) A1

(21) PCT/IB99/00256

(22) **15 Feb/fév 1999 (15.02.1999)**

(25) en (26) en

(30) 09/062,364 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GRAPHICAL USER INTERFACE TOUCH SCREEN WITH AN AUTO ZOOM FEATURE
• ECRAN TACTILE A INTERFACE UTILISATEUR GRAPHIQUE AVEC AUTO-ZOOM

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **CHOI, Sung, M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **VAN EE, Jan**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **FAESSEN, Louis, M., H.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 7/08**

(11) **WO 99/54808** (13) A1

(21) PCT/US99/08511

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,093 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REMOTE ORDERING SYSTEM FOR RESTAURANT DRIVE–UP LANE
• SYSTEME DE PASSATION DE COMMANDE A DISTANCE POUR VOIE D'ACCES AUTOMOBILE A UN RESTAURANT

(71, 72) **PENTEL, Randolph, M.** [US/US]; 815 Deer Trail Court, Mendota Heights, MN 55118 (US).

(74) **HELGET, Gerald, E.**; Mackall, Crounse & Moore, plc, 1400 AT & T Tower, 901 Marquette Avenue, Minneapolis, MN 55402 (US).

(81) CA MX.

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(51)[6] **G06F 9/00**

(11) **WO 99/54809** (13) A1

(21) PCT/US99/08274

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/064,474 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • REAL TIME DEBUGGER INTERFACE FOR EMBEDDED SYSTEMS
• INTERFACE DE DEBOGAGE EN TEMPS REEL DESTINEE AUX SYSTEMES INTEGRES

(71) **TRANSWITCH CORP.** [US/US]; 3 Enterprise Drive, Shelton, CT 06484 (US).

(72) **ROY, Subhash, C.**; 168 Belltown Road #23, Stamford, CT 06905 (US). **HEMBROOK, Paul**; 3 Summit Street, New Milford, CT 06776 (US). **PARRELLA, Eugene, L.**; 48 Settlers Farm Road, Monroe, CT 06468 (US). **MARIANO, Richard**; 140 Codfish Hill Road, Bethel, CT 06801 (US).

(74) **GORDON, David, P.**; 65 Woods End Road, Stamford, CT 06905 (US).

(81) CA CN IL JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 9/22, 9/30**

(11) **WO 99/54810** (13) A1

(21) PCT/US99/08611

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,205 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR MAINTAINING BRANCH INFORMATION
• SYSTEME ET PROCEDE DE CONSERVATION D'INFORMATIONS DE BRANCHEMENT

(71) **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, P.O. Box 58119, Santa Clara, CA 95052–8119 (US).

(72) **D'SA, Reynold, V.**; 15915 N.W. Wismer Drive, Portland, OR 97229 (US). **KYKER, Alan, B.**; 16014 N.W. Cornelius Pass Road, Portland, OR 97231 (US). **SHEAFFER, Gad, S.**; Ewstein Street 33A, 34604 Haifa (IL). **ESPINOSA, Gustavo, P.**; 9629 N.W. Fleischner Street, Portland, OR 97229 (US). **KALAFATIS, Stavros**; 376–06–2323 N.W. Logic Trail Road, Portland, OR 97231 (US). **HEBDA, Rebecca, E.**; 17986 S.W. Cereghino Lane, Sherwood, OR 97140 (US).

(74) **HELLER, Paul, H.** et al. / etc.; Kenyon & Kenyon, One Broadway, New York, NY 1004 (US).

(81) CN DE GB IN SG.

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(51)[6] **G06F 9/30**

(11) **WO 99/54811** (13) A1

(21) PCT/US98/22050

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(30) 09/065,294 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESSOR EMPLOYING CONTROL TRANSFER BIT IN PREDECODE FOR IDENTIFYING CONTROL TRANSFER INSTRUCTIONS
• PROCESSEUR UTILISANT UN BIT DE BRANCHEMENT DANS LE PREDECODAGE D'IDENTIFICATION D'INSTRUCTIONS DE BRANCHEMENT

(71) **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Mail Stop 68, Sunnyvale, CA 94088–3453 (US).

(72) **WITT, David, B.**; 6318 Pathfinder Drive, Austin, TX 78759 (US).

(74) **MILLER, Louise, K.**; Advanced Micro Devices, Inc., 5204 East Ben White Boulevard, M/S 562, Austin, TX 78741 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 9/315, 5/01, 7/00**

(11) **WO 99/54812** (13) A1

(21) PCT/US99/05916

(22) **19 Mar/mar 1999 (19.03.1999)**

(25) en (26) en

(30) 09/065,759 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR PERFORMING SHIFT OPERATIONS ON PACKED DATA
• PROCEDE ET APPAREIL PERMETTANT D'EFFECTUER DES OPERATIONS DE DECALAGE SUR DES DONNEES CONDENSEES

(71) **SIEMENS INFORMATION COMMUNICATION NETWORKS, INC.** [US/US]; 900 Broken Sound Boulevard, Boca Raton, FL 33487 (US).

(72) **LEMAY, Danielle, G.**; 508 Hope Terrace #3, Sunnyvale, Ca 94087 (US).

(74) **CODISPOTI, Joseph, S.** et al. / etc.; Siemens Corporation, Intellectual Property Dept., 186 Wood Avenue South, Iselin, NJ 08830 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 9/40, 9/46**

(11) **WO 99/54813** (13) A1

(21) PCT/US99/08275

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/064,446 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RISC PROCESSOR WITH CONTEXT SWITCH REGISTER SETS ACCESSIBLE BY EXTERNAL COPROCESSOR
• PROCESSEUR RISC POSSEDANT DES ENSEMBLES DE REGISTRES DE COMMUTATION D'ENVIRONNEMENT ACCESSIBLES A UN COPROCESSEUR EXTERNE

(71) **TRANSWITCH CORP.** [US/US]; 3 Enterprise Drive, Shelton, CT 06484 (US).

(72) **ROY, Subhash, C.**; 168 Belltown Road #23, Stamford, CT 06905 (US). **HEMBROOK, Paul**; 3 Summit Street, New Milford, CT 06776 (US). **PARRELLA, Eugene, L.**; 48 Settlers Farm Road, Monroe, CT 06468 (US). **MARIANO, Richard**; 140 Codfish Hill Road, Bethel, CT 06801 (US).

(74) **GORDON, David, P.**; 65 Woods End Road, Stamford, CT 06905 (US).

(81) CA CN IL JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 9/44**

(11) **WO 99/54814** (13) A2

(21) PCT/DE99/01127

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 116.1 **17 Apr/avr 1998** DE **(17.04.1998)**

(30) 199 06 581.0 **17 Feb/fév 1999** DE **(17.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR FLEXIBLE ALLOCATION OF SURFACE COMPONENTS AND PROCESSING OBJECTS
• SYSTEME ET PROCEDE D'AFFECTATION FLEXIBLE DE COMPOSANTS D'INTERFACE ET D'OBJETS DE TRAITEMENT

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KACEM, Sofiane** [TN/DE]; Leinbühlstrasse 16, D–90475 Nürnberg (DE). **PLEWINSKI, Nicolai** [DE/DE]; Laufer Weg 96, D–90552 Röthenbach (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 9/44, 9/45**

(11) **WO 99/54815** (13) A1

(21) PCT/US99/08797

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,824 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPUTER ARCHITECTURE USING SELF–MANIPULATING TREES
• ARCHITECTURE D'ORDINATEUR FAISANT APPEL A DES ARBRES A MANIPULATION AUTONOME

(71, 72) **SPOONER, Christopher** [US/US]; 5505 Potomac Avenue, N.W., Washington, DC 20016 (US). **SPOONER, Richard** [US/US]; 5505 Potomac Avenue, N.W., Washington, DC 20016 (US).

(74) **GOLLIN, Michael, A.**; Venable, Baetjer, Howard & Civiletti, LLP, P.O. Box 34385, Washington, DC 20043–9998 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 9/45, 9/445**

(11) **WO 99/54816** (13) A1

(21) PCT/US99/08444

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,516 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PATCHING REBASED AND REALIGNED EXECUTABLE FILES
• SYSTEME ET PROCEDE DE MISE A JOUR DE FICHIERS EXECUTABLES MODIFIES OU REALIGNES

(71) **SYMANTEC CORPORATION** [US/US]; 10201 Torre Avenue, Cupertino, CA 95014 (US).

(72) **NACHENBERG, Carey**; 19585 Shadow Glen Circle, Northridge, CA 91326 (US).

(74) **RADLO, Edward, J.** et al. / etc.; Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA 94306 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 9/46**

(11) **WO 99/54817** (13) A2

(21) PCT/US99/08583

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/064,160 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR ENABLING A COMPONENT IN A FIRST TRANSACTION PROCESSING ENVIRONMENT TO ACCESS A RESOURCE IN ANOTHER ENVIRONMENT
• PROCEDE ET APPAREIL PERMETTANT L'ACCES D'UN COMPOSANT DANS UN PREMIER ENVIRONNEMENT DE TRAITEMENT DE TRANSACTION A UNE RESSOURCE DANS UN AUTRE ENVIRONNEMENT

(71) **UNISYS CORPORATION** [US/US]; Township Line and Union Meeting Roads, P.O. Box 500, Blue Bell, PA 19424–0001 (US).

(72) **SCHAEFER, Diane, E.**; 103 Village Drive, North Wales, PA 19454 (US). **KAYSER, Steven, L.**; Apartment D–2, 50 S. Valley Road, Paoli, PA 19301 (US). **RAJCAN, Steven, L.**; 125 Carmen Drive, Collegeville, PA 19426 (US).

(74) **STARR, Mark, T.** et al. / etc.; Unisys Corporation, Township Line and Union Meeting Roads, P.O. Box 500, Blue Bell, PA 19424–0001 (US).

(81) AU BR CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 11/00**

(11) **WO 99/54818** (13) A1

(21) PCT/US99/07792

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/062,293 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR ADAPTIVE INTERLEAVING
• PROCEDE ET SYSTEME D'INTERCALAGE ADAPTATIF

(63) US 09/062,293 (CON) 17 Apr/avr 1998 (17.04.1998)

(71) **AMERITECH CORPORATION** [US/US]; 2000 West Ameritech Center Drive, Hoffman Estates, IL 60196–1025 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STARR, Thomas, J., J.** [US/US]; 370 Roberts Road, Inverness, IL 60010 (US).

(74) **WHITE, Jason, C.**; Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 11/20**

(11) **WO 99/54819** (13) A1

(21) PCT/DE99/01181

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 159.5 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STORAGE DEVICE WITH REDUNDANT STORAGE CELLS AND METHOD FOR ACCESSING REDUNDANT STORAGE CELLS
• DISPOSITIF MEMOIRE AVEC CELLULES MEMOIRE REDONDANTES ET PROCEDE D'ACCES AUXDITES CELLULES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MENKE, Manfred** [DE/DE]; Adalbertstrasse 43, D–80799 München (DE). **PLAN, Manfred** [DE/DE]; Krumbacherstrasse 4/II, D–80798 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 11/26**

(11) **WO 99/54820** (13) A1

(21) PCT/US99/08678

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,895 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SIMULATED PLAY OF INTERACTIVE MULTIMEDIA APPLICATIONS FOR ERROR DETECTION
• JEU SIMULE D'APPLICATIONS MULTIMEDIA INTERACTIVES, AUX FINS DE DETECTION D'ERREURS

(71) **SCIENTIFIC LEARNING CORP.** [US/US]; Suite 400, 1995 University Avenue, Berkeley, CA 94704–1074 (US).

(72) **BENITZ, Angela, Jane**; 300 Upper Terrace, San Francisco, CA 94117 (US). **NAKAMA, Seiken**; 2354 20th Avenue, San Francisco, CA 94116 (US).

(74) **IVEY, James, D.**; Law Offices of James D. Ivey, 3025 Totterdell Street, Oakland, CA 94611–1742 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 11/30, 9/455**

(11) **WO 99/54821** (13) A1

(21) PCT/US99/08633

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,795 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SIMULATED PLAY OF INTERACTIVE MULTIMEDIA APPLICATIONS FOR ERROR DETECTION
• LECTURE SIMULEE D'APPLICATIONS MULTIMEDIA INTERACTIVES POUR DETECTION D'ERREURS

(71) **SCIENTIFIC LEARNING CORP.** [US/US]; Suite 400, 1995 University Avenue, Berkeley, CA 94704–1074 (US).

(71, 72) **BENITZ, Angela, Jane** [GB/US]; 300 Upper Terrace, San Francisco, CA 94117 (US). **NAKAMA, Seiken** [JP/US]; 2354 20th Avenue, San Francisco, CA 94116 (US).

(74) **IVEY, James, D.**; Law Offices of James D. Ivey, 3025 Totterdell Street, Oakland, CA 94611–1742 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 11/34, 17/60, H04L 29/06, H04M 3/56**

(11) **WO 99/54822** (13) A1

(21) PCT/GB99/01149

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 98302981.0 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPUTER NETWORK
• RESEAU D'ORDINATEURS

(71) **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **McGRATH, Andrew** [GB/GB]; 12 Dorset Close, Ipswich, Suffolk IP4 3BJ (GB). **PLATT, Peter, Mark** [GB/GB]; 26E Fonnereau Road, Ipswich, Suffolk IP1 3JP (GB). **BOWSKILL, Jeremy, Michael** [GB/GB]; Glen End, School Lane, Martlesham Heath, Woodbridge, Suffolk IP12 4RR (GB). **MORPHETT, Jason** [GB/GB]; 56 Kingsgate Drive, Ipswich, Suffolk IP4 4DH (GB). **WILLARD, Alison, Jane** [GB/GB]; 212 Bergholt Road, Colchester, Essex CO4 5AS (GB).

(74) **LIDBETTER, Timothy, Guy, Edwin**; BT Group Legal Services, Intellectual Property Dept., Holborn Centre, 8th floor, 120 Holborn, London EC1N 2TE (GB).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 12/02**

(11) **WO 99/54823** (13) A1

(21) PCT/US99/07753

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/063,986 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR OPTIMIZED PLACEMENT OF VIRTUAL VOLUMES ON A PHYSICAL CARTRIDGE
• PROCEDE DE PLACEMENT OPTIMISE DE VOLUMES VIRTUELS SUR UNE CARTOUCHE MATERIELLE

(71) **STORAGE TECHNOLOGY CORPORATION** [US/US]; 2270 South 88th Street, MS–4309, Louisville, CO 80028–4309 (US).

(72) **BLENDERMANN, Stephen, H.**; 1489 Johnson Court, Boulder, CO 80303 (US). **SUTTON, Alan, Ray**; 3991 75th Street, Boulder, CO 80301 (US).

(74) **SCHWARZ, Paul, M.** et al. / etc.; Brooks & Kushman, 22nd floor, 1000 Town Center, Southfield, MI 48075 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 12/02**

(11) **WO 99/54824** (13) A1

(21) PCT/US99/08701

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,954 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DYNAMIC ALLOCATION FOR EFFICIENT MANAGEMENT OF VARIABLE SIZED DATA WITHIN A NONVOLATILE MEMORY
• ATTRIBUTION DYNAMIQUE, AUX FINS DE GESTION EFFICACE, DE DONNEES DE DIMENSIONS VARIABLES DANS UNE MEMOIRE NON VOLATILE

(71) **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SEE, Deborah, L.** [US/US]; 5880 October Hill Road, Placerville, CA 95667 (US). **HASBUN, Robert, N.** [US/US]; 4544 Fawn Street, Shingle Springs, CA 95667 (US). **DUNLAP, Jeffrey, A.** [US/US]; 4005 Wyalong Way, Sacramento, CA 95826 (US). **DEL POZO, Phillip, J., III** [US/US]; 2947 Stanford Lane, El Dorado Hills, CA 95762 (US).

(74) **TAYLOR, Edwin, H.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 12/14, 11/00**

(11) **WO 99/54825** (13) A1

(21) PCT/US99/07465

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) en (26) en

(30) 09/062,382 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PERIPHERAL DEVICE WITH ACCESS CONTROL
• UNITE PERIPHERIQUE DOTEE D'UNE COMMANDE D'ACCES

(71) **SIEMENS MICROELECTRONICS, INC.** [US/US]; 1730 North First Street, San Jose, CA 95112 (US).

(72) **MATTHEIS, Karl–Heniz**; 5309 Creek Estates, San Jose, CA 95135 (US).

(74) **GRUBERT, Andreas** et al. / etc.; Siemens Corporation, Intellectual Property Dept., 186 Wood Avenue South, Iselin, NJ 08830 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 13/00, H04M 7/00**

(11) **WO 99/54826** (13) A1

(21) PCT/FI99/00285

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) fi (26) en

(30) 980778 **3 Apr/avr 1998** FI **(03.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPLEMENTING A TECHNICAL SOFTWARE APPLICATION IN A MOBILE COMMUNICATION SYSTEM
• MISE EN OEUVRE D'UNE APPLICATION DE TYPE LOGICIEL TECHNIQUE DANS UN SYSTEME DE TELECOMMUNICATION MOBILE

(71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; P.O. Box 300, FIN–00045 Nokia Group (FI). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HAMBERG, Max** [FI/FI]; Lupajantie 1 A 2, FIN–00970 Helsinki (FI).

(74) **PAPULA REIN LAHTELA OY**; Fredrikinkatu 61 A, P.O. Box 981, FIN–00101 Helsinki (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 13/00**

(11) **WO 99/54827** (13) A1

(21) PCT/US99/08603

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,637 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INAPPROPRIATE SITE MANAGEMENT SOFTWARE
• LOGICIEL DE GESTION DES SITES INAPPROPRIES

(71, 72) **HUGES, Patrick, Alan** [US/US]; 3717 Kimrod Drive, Johnson City, TN 37601 (US). **ELSWICK, Paul, Blair** [US/US]; Route 3, P.O. Box 87A, Jonesville, VA 24263 (US).

(74) **SCOTT, Thomas, J., Jr.** et al. / etc.; Hunton & Williams, 1900 K Street, N.W., Washington, DC 20006 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 13/00, 17/30**

(11) **WO 99/54828** (13) A1

(21) PCT/US99/08747

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,877 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR ASSESSING EFFECTIVENESS OF INTERNET MARKETING CAMPAIGN
• SYSTEME ET PROCEDE DE VERIFICATION DE L'EFFICACITE DES CAMPAGNES PUBLICITAIRES PAR INTERNET

(71) **STRAIGHT UP SOFTWARE, INC.** [US/US]; 3550 General Atomics Court, San Diego, CA 92121–1194 (US).

(72) **D'EON, Christopher, E.**; 1512 Reed Avenue, San Diego, CA 92109 (US). **BOLT, Thomas, B.**; 279 Horizon Drive, Encinitas, CA 92024–4147 (US).

(74) **ROGITZ, John, L.**; Rogitz & Associates, Suite 3120, 750 B Street, San Diego, CA 92101 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 13/00, 13/14**

(11) **WO 99/54829** (13) A1

(21) PCT/US99/09021

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,115 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR SCHEDULING MESSAGE TRANSMISSION AND PROCESSING IN A DIGITAL DATA NETWORK
• SYSTEME ET PROCEDE D'ORDONNANCEMENT DE TRANSMISSION ET DE TRAITEMENT DE MESSAGES DANS UN RESEAU DE DONNEES NUMERIQUES

(71) **GIGANET, INC.** [US/US]; Concord Office Center, 2352 Main Street, Concord, MA 01742 (US).

(72) **CLAYTON, Shawn, A.**; 1186 Main Street, Boylston, MA 01505 (US). **FOLLETT, David, R.**; 120 Cobleigh Road, Boxborough, MA 01719 (US). **GODIWALA, Nitin, D.**; 81 Warren Street, Boylston, MA 01505 (US). **GUTIERREZ, Maria, C.**; 19 Willow Street, Concord, MA 01742 (US). **WELLS, David, S.**; 39 Bear Hill Road, Bolton, MA 01740 (US). **WILLIAMS, James, B.**; 74 Holyrood Avenue, Lowell, MA 01852 (US).

(74) **JORDAN, Richard, A.**; P.O. Box 81363, Wellesley Hills, MA 02181–0004 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 13/00, 13/14**

(11) **WO 99/54830** (13) A1

(21) PCT/US99/09046

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,118 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR REGULATING MESSAGE FLOW IN A DIGITAL DATA NETWORK
• SYSTEME ET PROCEDE DE REGULATION DE FLUX DE MESSAGES DANS UN RESEAU DE DONNEES NUMERIQUES

(71) **GIGANET, INC.** [US/US]; Concord Office Center, 2352 Main Street, Concord, MA 01742 (US).

(72) **GUTIERREZ, Maria, C.**; 19 Willow Street, Concord, MA 01742 (US). **CLAYTON, Shawn, A.**; 186 Main Street, Boylston, MA 01505 (US). **FOLLETT, David, R.**; 120 Cobleigh Road, Boxborough, MA 01719 (US). **GODIWALA, Nitin, D.**; 81 Warren Street, Boylston, MA 01505 (US). **PROHASKA, Richard, F.**; 15 Almeria Circle, Westford, MA 01886 (US). **ROMAN, Harold, E.**; 14D Wampus Avenue, Acton, MA 01720 (US). **WILLIAMS, James, B.**; 74 Holyrood Avenue, Lowell, MA 01852 (US).

(74) **JORDAN, Richard, A.**; P.O. Box 81363, Wellesley Hills, MA 02181–0004 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 13/20, 9/28**

(11) **WO 99/54831** (13) A1

(21) PCT/US99/06542

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/062,896 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR ZERO OVERHEAD SHARING FOR REGISTERED DIGITAL HARDWARE
• METHODE ET DISPOSITIF DE PARTAGE DE RESSOURCES INVISIBLES ZERO POUR MATERIEL NUMERIQUE ENREGISTRE

(71) **COMSAT CORPORATION** [US/US]; 6560 Rock Spring Drive, Bethesda, MD 20817 (US).

(72) **THOMAS, James, R.**; 210 Haviland Mill Road, Sandy Spring, MD 20860 (US).

(74) **KASPER, Alan, J.** et al. / etc.; Sughrue, Mion, Zinn, MacPeak & Seas, PLLC, Suite 800, 2100 Pennsylvania Avenue, N.W., Washington, DC 20037–3213 (US).

(81) CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **G06F 17/30**

(11) **WO 99/54832** (13) A1

(21) PCT/EP99/02639

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 1008926 **17 Apr/avr 1998** NL **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NETWORK SERVER AND METHOD FOR ADAPTING REFERENCE DATA
• SERVEUR DE RESEAU ET PROCEDE D'ADAPTATION DE DONNEES DE REFERENCE

(71) **KONINKLIJKE KPN N.V.** [NL/NL]; Stationsplein 7, NL–9726 AE Groningen (NL). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **JONKER, Willem** [NL/NL]; Laan der Kruisheren 5, NL–9617 EA Harkstede (NL).

(74) **KLEIN, Bart**; Koninklijke KPN N.V., P.O. Box 95321, NL–2509 CH The Hague (NL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 17/30**

(11) **WO 99/54833** (13) A2

(21) PCT/US99/08318

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/063,085 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DYNAMICALLY CONFIGURABLE DATA STORAGE AND PROCESSING SYSTEM OPTIMIZED FOR PERFORMING DATABASE OPERATIONS
• STOCKAGE DE DONNEES CONFIGURABLE DYNAMIQUEMENT ET SYSTEME DE TRAITEMENT OPTIMISE POUR EFFECTUER DES OPERATIONS AVEC DES BASES DE DONNEES

(71) **RECURSION DYNAMICS INC.** [US/US]; Suite 120, 650 Saratoga Avenue, San Jose, CA 95129 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GELMAN, Boris** [RU/US]; Apartment 409, 38660 Lexington Street, Fremont, CA 94536 (US). **KUMETS, Alex** [US/US]; 1420 Sieta Court, San Jose, CA 95118 (US).

(74) **SANTISI, Steven, M.** et al. / etc.; Limbach & Limbach L.L.P., 2001 Ferry Building, San Francisco, CA 94111–4262 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 17/30**

(11) **WO 99/54834** (13) A1

(21) PCT/US99/08723

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,423 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 09/218,564 **22 Dec/déc 1998** US **(22.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRACKING AND GRAPHICAL DISPLAY OF USER ACTIVITY ON AN INFORMATION NETWORK
• SUIVI ET AFFICHAGE GRAPHIQUE DE L'ACTIVITE UTILISATEUR DANS UN RESEAU D'INFORMATIONS

(71) **SARNOFF CORPORATION** [US/US]; 201 Washington Road, CN5300, Princeton, NJ 08543–5300 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ESAKOV, Jeffrey** [–/US]; 1 White Birch, Pennington, NJ 08534 (US). **WAN, Suz, His** [–/US]; 120 Fisher Place, Princeton, NJ 08540 (US). **JESSUP, Ansley** [–/US]; 22 Elmwood Lane, Willingboro, NJ 08046 (US). **HUNTER, David, Michael** [–/US]; 5 Ronit Drive, Ewing, NJ 08628 (US). **CHIRIAC, Liviu** [–/US]; 1507 Hunters Glen Drive, Plainsboro, NJ 08536 (US).

(74) **BURKE, William, J.** et al. / etc.; Sarnoff Corporation, 201 Washington Road, CN 5300, Princeton, NJ 08543–5300 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 17/60**

(11) **WO 99/54835** (13) A1

(21) PCT/AU99/00466

(22) **11 Jun/juin 1999 (11.06.1999)**

(25) en (26) en

(30) PP 4030 **11 Jun/juin 1998** AU **(11.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR SELECTING CANDIDATES FOR EMPLOYMENT
• METHODE ET SYSTEME DE SELECTION DE CANDIDATS A UN EMPLOI

(71) **G–A–M–E NETWORK PTY. LTD.** [AU/AU]; 49–51 Wellington Street, Windsor, VIC 3181 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BENHEIM, David, Andre** [AU/AU]; 4 Hazel Street, Camberwell, Victoria 3124 (AU).

(74) **CARTER SMITH & BEADLE**; Qantas House, 2 Railway Parade, P.O. Box 557, Camberwell, VIC 3124 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 17/60**

(11) **WO 99/54836** (13) A1

(21) PCT/GB99/01031

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 98303046.1 **21 Apr/avr 1998** EP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DECISION AID
• AIDE A LA DECISION

(71) **CAMBRIDGE CONSULTANTS LIMITED** [GB/GB]; Science Park, Milton Road, Cambridge CB4 0DW (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARTIN, Sean, Christopher** [GB/GB]; 20 Clare Street, Cambridge CB4 3BY (GB). **SHARP, David, William, Nathaniel** [GB/GB]; 58a Natal Road, Cambridge CB1 3NY (GB).

(74) **BURWELL, Jason, Rowell**; Cambridge Consultants Ltd., Science Park, Milton Road, Cambridge CB4 0DW (GB).

(81) GB JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06F 17/60**

(11) **WO 99/54837** (13) A1

(21) PCT/JP99/02078

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/108882 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DOCUMENT PRODUCTION ASSISTING DEVICE, DOCUMENT PRODUCTION ASSISTING METHOD, AND RECORDING MEDIUM ON WHICH DOCUMENT PRODUCTION ASSISTING PROGRAM IS RECORDED
• DISPOSITIF ET PROCEDE D'AIDE A LA PRODUCTION DE DOCUMENTS, ET SUPPORT D'ENREGISTREMENT SUR LEQUEL LE PROGRAMME D'AIDE A LA PRODUCTION DE DOCUMENTS EST ENREGISTRE

(71) **METIO CO., LTD.** [JP/JP]; 69–2, Akabane 2–chome, Kita–ku, Tokyo 115–0045 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NOUMI, Kouhei** [JP/JP]; 2–15, Sakura–cho 5–chome, Hatogaya–shi, Saitama 334–0001 (JP). **SUGO, Kazuhiko** [JP/JP]; 29–9, Inokasira 3–chome, Mitaka–shi, Tokyo 181–0001 (JP).

(74) **SASAJIMA, Fujio** et al. / etc.; Toranomon 1–chome, Mori Building, 19–5, Toranomon 1–chome, Minato–ku, Tokyo 105–0001 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(51)[6] **G06F 17/60**

(11) **WO 99/54838** (13) A1

(21) PCT/US99/08779

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,535 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INDEX REBALANCING FOR A CAPITALIZATION WEIGHTED STOCK INDEX
• REEQUILIBRAGE D'INDICES DE COURS PONDERES DE CAPITALISATION

(63) US 09/063,535 (CON) 21 Apr/avr 1998 (21.04.1998)

(71) **THE NASDAQ STOCK MARKET, INC.** [US/US]; 1735 K Street, N.W., Washington, DC 20006 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLOOM, Steven, M.** [US/US]; 512 Bloomfield Avenue, Caldwell, NJ 07006 (US). **CANADA, Peter, T.** [US/US]; 6045 Chesire Drive, Bethesda, MD 20814 (US). **GOUWS, Fanie** [US/US]; 4 Hillcrest Avenue, Chatham, NJ 07928 (US). **HOLMES, Douglas, T.** [US/US]; 59 Glen Street, Dover, MA 02030 (US).

(74) **MALONEY, Denis, G.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06F 31/28**

(11) **WO 99/54839** (13) A1

(21) PCT/US99/06355

(22) **23 Mar/mar 1999 (23.03.1999)**

(25) en (26) en

(30) 09/063,872 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONFIGURATION CONTROL IN A PROGRAMMABLE LOGIC DEVICE USING NON–VOLATILE ELEMENTS
• COMMANDE DE CONFIGURATION DANS UN DISPOSITIF LOGIQUE PROGRAMMABLE, AU MOYEN D'ELEMENTS REMANENTS

(71) **ATMEL CORPORATION** [US/US]; 2325 Orchard Parkway, San Jose, CA 95131 (US).

(72) **RAMAMURTHY, Srinivas**; 1079 Gruwell Place, San Jose, CA 95129 (US). **FAHEY, James**; 26, bix de la Paix, F–13100 Aix En Provence (FR). **SAIKI, William, J.**; 706 Mariposa Avenue #2, Mountain View, CA 94041 (US). **BERGER, Neal**; 10200 Miller Avenue #324, Cupertino, CA 95014 (US). **GONGWER, Geoffrey, S.**; 1148 McBain Avenue, Campbell, CA 95008 (US). **TAM, Eugene, Jinglun**; 1530 Hemmingway Road, San Jose, CA 95132 (US).

(74) **SCHNECK, Thomas**; Law Offices of Thomas Schneck, P.O. Box 2–E, San Jose, CA 95109–0005 (US).

(81) CA CN JP KR NO SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06G 7/12**

(11) **WO 99/54840** (13) A1

(21) PCT/JP99/02062

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/124287 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SEMICONDUCTOR COMPUTING UNIT
• UNITE DE CALCUL A SEMI–CONDUCTEUR

(71) **KABUSHIKI KAISHA ULTRACLEAN TECHNOLOGY RESEARCH INSTITUTE** [JP/JP]; 1–4, Hongo 4–chome, Bunkyo–ku, Tokyo 113–0033 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **SHIBATA, Tadashi** [JP/JP]; 3–16–411, Echujima 1–chome, Koto–ku, Tokyo 135–0044 (JP). **OHMI, Tadahiro** [JP/JP]; 1–17–301, Komegabukuro 2–chome, Aoba–ku, Sendai–shi, Miyagi–ken 980–0813 (JP).

(72, 75) **NAKADA, Akira** [JP/JP]; 12–5, Kahei 2–chome, Adachi–ku, Tokyo 121–0055 (JP). **MORIMOTO, Tatsuro** [JP/JP]; Tohoku University, Aza–Aoba, Aramaki, Aoba–ku, Sendai–shi, Miyagi–ken 980–0845 (JP). **NITTA, Takahisa** [JP/JP]; Kabushiki Kaisha Ultraclean Technology Research Institute, 1–4, Hongo 4–chome, Bunkyo–ku, Tokyo 113–0033 (JP).

(74) **FUKUMORI, Hisao**; Fuji Building 2F, 5–11, Kudanminami 4–chome, Chiyoda–ku, Tokyo 102–0074 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06K 5/00**

(11) **WO 99/54841** (13) A1

(21) PCT/US99/05839

(22) **17 Mar/mar 1999 (17.03.1999)**

(25) en (26) en

(30) 60/082,299 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/076,051 **11 May/mai 1998** US **(11.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSACTION APPARATUS
• APPAREIL DE TRANSACTION

(71) **DIEBOLD, INCORPORATED** [US/US]; 5995 Mayfair Road, North Canton, OH 44720 (US).

(72) **RAMACHANDRAN, Natarajan**; 2424 Lyndon Drive, Uniontown, OH 44685 (US).

(74) **JOCKE, Ralph**; 231 South Broadway, Medina, OH 44256 (US).

(81) BR CA CN IN MX PL RU ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06K 19/02, 19/077**

(11) **WO 99/54842** (13) A1

(21) PCT/NL99/00220

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 1008929 **20 Apr/avr 1998** NL **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBSTRATE WHICH IS MADE FROM PAPER AND IS PROVIDED WITH AN INTEGRATED CIRCUIT
• SUBSTRAT EN PAPIER AVEC UN CIRCUIT INTEGRE

(71) **VHP VEILIGHEIDSPAPIERFABRIEK UGCHELEN B.V.** [NL/NL]; Hoenderloseweg 84, NL–7339 GJ Apeldoorn (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KRUL, Johannes** [NL/NL]; Meerkoetlaan 117, NL–6641 ZB Beuningen (NL). **de HESSE, Wilhelm, Bernardus** [NL/NL]; Parkelerweg 20, NL–7391 ET Twello (NL).

(74) **VOLMER, J., C.**; Exter Polak & Charlouis B.V., P.O. Box 3241, NL–2280 GE Rijswijk (NL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06K 19/073**

(11) **WO 99/54843** (13) A1

(21) PCT/DE99/01184

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 566.3 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RADIO–INTERROGATION DATA CARRIER
• SUPPORT DE DONNEES INTERROGEABLE PAR RADIO

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BULST, Wolf–Eckhart** [DE/DE]; Hermann–Pünder–Strasse 15, D–81739 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 13 17, D–80503 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06K 19/077**

(11) **WO 99/54844** (13) A1

(21) PCT/EP99/02555

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 297.4 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUPPORT CARD
• CARTE SUPPORT

(71) **BUNDESDRUCKEREI GMBH** [DE/DE]; Oranienstrasse 91, D–10958 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEBER, Uwe** [DE/DE]; Ohlendieckskamp 25, D–22399 Hamburg (DE).

(74) **RIEBLING, Peter**; Postfach 31 60, D–88113 Lindau (DE).

(81) CA CN CZ HU ID IL IN JP PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06K 19/077**

(11) **WO 99/54845** (13) A1

(21) PCT/FR99/00705

(22) **26 Mar/mar 1999 (26.03.1999)**

(25) fr (26) fr

(30) 98/05267 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING A DECORATIVE ITEM ON AN INTEGRATED CIRCUIT CARD
• PROCEDE DE REALISAITON D'UNE ENTITE DECORATIVE SUR UNE CARTE DU TYPE A CIRCUIT INTEGRE

(71) **GEMPLUS S.C.A.** [FR/FR]; Avenue du Pic de Bertagne, Parc d'Activités de Gémenos, F–13881 Gémenos Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AYALA, Stéphane** [FR/FR]; 4, impasse Barnière, F–13010 Marseille (FR). **ELBAZ, Didier** [FR/FR]; 103, boulevard Saint Loup, F–13010 Marseille (FR). **GARCIA, Laurent** [FR/FR]; Résidence Cassis Bellevue, Bâtiment 1, F–13260 Cassis (FR).

(74) **NONNENMACHER, Bernard**; Gemplus S.C.A., Avenue du Pic de Bertagne, Parc d'Activités de Gémenos, F–13881 Gémenos Cedex (FR).

(81) AU BR CA CN IN JP KR MX RU SG US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06K 19/077**

(11) **WO 99/54846** (13) A1

(21) PCT/FR99/00890

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fr (26) fr

(30) 98/05625 **22 Apr/avr 1998** FR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR MAKING A CONTACT INTEGRATED CIRCUIT CARD AND RESULTING CARD
• PROCEDE DE FABRICATION D'UNE CARTE A CIRCUIT INTEGRE A CONTACT ET UNE CARTE OBTENUE SELON CE PROCEDE

(71) **GEMPLUS S.C.A.** [US/US]; Avenue du Pic de Bertagne, Parc d'Activités de Gémenos, F–13881 Gémenos Cedex (US).

(71, 72) **ELBAZ, Didier** [FR/FR]; 103, boulevard de Saint Loup, F–13010 Marseille (FR).

(74) **NONNENMACHER, Bernard**; Gemplus s.c.a., Avenue du Pic de Bertagne, Parc d'Activités de Gémenos, F–13881 Gémenos Cedex (FR).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06T 15/00**

(11) **WO 99/54847** (13) A1

(21) PCT/JP98/01771

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THREE–DIMENSIONAL IMAGE PROCESSOR
• PROCESSEUR D'IMAGES EN TROIS DIMENSIONS

(71) **HITACHI, LTD.** [JP/JP]; 6, Kanda Surugadai 4–chome, Chiyoda–ku, Tokyo 101–8010 (JP). **HITACHI PROCESS COMPUTER ENGINEERING, INC.** [JP/JP]; 2–1, Omikacho 5–chome, Hitachi–shi, Ibaraki 319–1221 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHIRAISHI, Masahiro** [JP/JP]; Hitachi, Ltd. Omika Works, 2–1, Omikacho 5–chome, Hitachi–shi, Ibaraki 319–1221 (JP). **UENO, Takatoshi** [JP/JP]; Hitachi Process Computer Engineering, Inc., 2–1, Omikacho 5–chome, Hitachi–shi, Ibaraki 319–1221 (JP). **ONIKI, Kazunori** [JP/JP]; Hitachi, Ltd. Omika Works, 2–1, Omikacho 5–chome, Hitachi–shi, Ibaraki 319–1221 (JP).

(74) **OGAWA, Katsuo**; Hitachi, Ltd., 5–1, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100–8220 (JP).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G06T 15/00, G01C 21/20**

(11) **WO 99/54848** (13) A1

(21) PCT/US99/07911

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/062,518 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 3–DIMENSIONAL INTERSECTION DISPLAY FOR VEHICLE NAVIGATION SYSTEM
• AFFICHAGE TRIDIMENSIONNEL D'UNE INTERSECTION POUR SYSTEME DE NAVIGATION D'UN VEHICULE

(71) **MAGELLAN DIS, INC.** [US/US]; 2950 Waterview, Rochester Hills, MI 48309 (US).

(72) **MILLINGTON, Jeffrey, Alan**; 3390 Greenwood Drive, Rochester Hills, MI 48309 (US).

(74) **CARLSON, John, E.** et al. / etc.; Howard & Howard Attorneys, P.C., Suite 101, 1400 North Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06T 15/00**

(11) **WO 99/54849** (13) A1

(21) PCT/US99/08618

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,442 **20 Apr/avr 1998 (20.04.1998)** US

(30) 09/196,553 **20 Nov/nov 1998 (20.11.1998)** US

(30) 09/291,315 **14 Apr/avr 1999 (14.04.1999)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTI–PLANAR VOLUMETRIC DISPLAY SYSTEM AND METHOD OF OPERATION USSING THREE–DIMENSIONAL ANTI–ALIASING
• SYSTEME DE PRESENTATION D'IMAGES VOLUMETRIQUES SUR PLUSIEURS PLANS ET SON MODE DE FONCTIONNEMENT A ANTI–CRENELAGE TRIDIMENSIONNEL

(71) **DIMENSIONAL MEDIA ASSOCIATES, INC.** [US/US]; 9th floor, 22 W. 19th Street, New York, NY 10011 (US).

(72) **SULLIVAN, Alan**; 25 Highview Place, White Plains, NY 10604 (US).

(74) **OSTROW, Seth, H.**; Brown Raysman Millstein Felder & Steiner, LLP, 120 West Forty–Fifth Street, New York, NY 10036 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G06T 15/70**

(11) **WO 99/54850** (13) A1

(21) PCT/DE99/00481

(22) **23 Feb/fév 1999 (23.02.1999)**

(25) de (26) de

(30) 198 16 795.4 **16 Apr/avr 1998 (16.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR REPRESENTING MOVING OBJECTS IN BITMAP FORMAT ON A MATRIXED DISPLAY DEVICE
• PROCEDE DE REPRESENTATION D'OBJETS MOBILES EN MODE POINT SUR UN DISPOSITIF D'AFFICHAGE MATRICIEL

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GEISLER, Thomas** [DE/DE]; Adlerstrasse 59, D–76137 Karlsruhe (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G07C 9/00, H04Q 7/38, G07F 7/10**

(11) **WO 99/54851** (13) A1

(21) PCT/DE98/02457

(22) **21 Aug/août 1998 (21.08.1998)**

(25) de (26) de

(30) 198 17 770.4 **21 Apr/avr 1998 (21.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRONIC DEVICE AND METHOD FOR THE AUTHENTICATION OF A USER OF SAID DEVICE
• APPAREIL ELECTRONIQUE ET PROCEDE POUR L'AUTHENTIFICATION D'UN UTILISATEUR DE CET APPAREIL

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KARMANN, Klaus–Peter** [DE/DE]; Strassberger Strasse 8, D–80809 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) BR CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G07F**

(11) **WO 99/54852** (13) A2

(21) PCT/EP99/02418

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) U 9801015 **16 Apr/avr 1998 (16.04.1998)** ES

(30) U 9801875 **14 Jul/juil 1998 (14.07.1998)** ES

(30) P 9801826 **28 Aug/août 1998 (28.08.1998)** ES

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AUTOMATIC VENDING MACHINE AND CONTAINER FOR ARTICLES OF FROZEN CONFECTIONERY
• DISTRIBUTEUR AUTOMATIQUE ET EMBALLAGES POUR CONFISERIES GLACEES

(71) **SOCIETE DES PRODUITS NESTLE S.A.** [CH/CH]; P.O. Box 353, CH–1800 Vevey (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SAN MARTIN, Jesus** [ES/ES]; Ronda Canigo, 12–6, E–08950 Esplugues de Llobregat (ES). **RUANO DEL CAMPO, Miguel** [ES/ES]; Calle Vascongadas, 48, E–98190 San Cugat del Valles (ES). **DOMENECH SENDRA, Eduardo** [ES/ES]; Plaza del Reyno, 6, Pta 12, E–46000 Alzira (ES). **BUENO CERESUELA, Jorge** [ES/ES]; Calle Pinar Del Rio, 2, E–08027 Barcelona (ES).

(74) **ARCHAMBAULT, Jean**; 55, avenue Nestlé, CH–1800 Vevey (CH).

(81) AU BR CA MX RU US ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G08B 23/00**

(11) **WO 99/54853** (13) A1

(21) PCT/US99/07804

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/063,715 **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR LOCATING SUBJECTS WITHIN A TRACKING ENVIRONMENT
• PROCEDE ET SYSTEME PERMETTANT DE LOCALISER DES SUJETS DANS UN ENVIRONNEMENT DE DETECTION

(71) **VERSUS TECHNOLOGY, INC.** [US/US]; 2600 Miller Creek Road, Traverse City, MI 49684 (US).

(72) **HELLER, Alan, C.**; 6205 Baymar, Dallas, TX 75252 (US).

(74) **SYROWIK, David, R.** et al. / etc.; Brooks & Kushman, 22nd floor, 1000 Town Center, Southfield, MI 48075 (US).

(81) AU BR CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G08G**

(11) **WO 99/54854** (13) A2

(21) PCT/DE99/01117

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 782.8 **21 Apr/avr 1998 (21.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LIGHTING INSTALLATION, FOR INSTANCE, AIRPORT OR ROAD NAVIGATION LIGHTS, OBSTACLE WARNING LIGHTS, ADVISORY, WARNING AND SIGNAL LIGHTS OR THE LIKE
• SYSTEME D'ECLAIRAGE, PAR EXEMPLE SYSTEME DE BALISAGE D'AEROPORTS ET DE ROUTES, SIGNAUX LUMINEUX AVERTISSEURS D'OBSTACLES, FEUX INDICATEURS, TEMOINS LUMINEUX OU SIMILAIRES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BELGER, Lothar** [DE/BE]; Everslaan 28, B–3078 Everberg (BE). **SCHMIDT, Helmut** [DE/DE]; Waldstrasse 10D, D–91341 Röttenbach (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G08G 1/096**

(11) **WO 99/54855** (13) A1

(21) PCT/HR99/00006

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) P980209A **17 Apr/avr 1998** HR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROAD TRAFFIC CONTROL LIGHT SIGNAL SYSTEM
• SYSTEME DE COMMANDE DU TRAFIC POUR VEHICULES ROUTIERS A SIGNAUX LUMINEUX

(71, 72) **FRANJKOVIĆ Krunoslav** [HR/HR]; Vlaška 89, 10000 Zagreb (HR).

(74) **INNOVA, D.O.O.**; TRG Hrvatsih Velikana 14, 10000 Zagreb (HR).

(81) CZ EE HU IL JP LT LV NO PL SI SK US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **G08G 81/00, C07C 51/42**

(11) **WO 99/54856** (13) A1

(21) PCT/IB99/01248

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,609 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYMER CONJUGATES OF POLYETHYLENE GLYCOLS OR OXIDES WITH POLYETHYLENEIMINE OR POLYPROPYLENEIMINE FOR EXTRACTING CARBOXYLIC ACIDS FROM SOLUTIONS
• CONJUGUES POLYMERES DE POLYETHYLENE–GLYCOLS OU OXYDES OU ET DE POLYETHYLENEIMINE OU DE POLYPROPYLENIMINE POUR L'EXTRACTION D'ACIDE CARBOXYLIQUE DE SOLUTIONS

(71) **FORSKARPATENT I SYD AB** [SE/SE]; Teknopol, S–223 70 Lund (SE).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **HAHN–HAGERDAL, Barbel** [SE/SE]; Ostra Vallgatan 41, S–223 61 Lund (SE).

(72, 75) **PLANAS, Jordi** [ES/ES]; c/o Mn Josep Gudiol, No 21;20N C, E–85000 Vic (ES). **TJERNELD, Folke** [SE/SE]; Stenshuvudsgatan 29, S–216 17 Malmo (SE).

(74) **GARRETT, Arthur, S.**; Finnegan, Henderson, Farabow, Garrett & Dunner L.L.P., 1300 I Street, N.W., Washington, DC 20005–3315 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G09B 7/00**

(11) **WO 99/54857** (13) A1

(21) PCT/US98/07955

(22) **20 Apr/avr 1998 (20.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A LEARNING METHOD AND SYSTEM THAT CONSIDER A STUDENT'S CONCENTRATION LEVEL
• PROCEDE ET SYSTEME D'APPRENTISSAGE PRENANT EN CONSIDERATION LE NIVEAU DE CONCENTRATION DE L'ETUDIANT

(71, 72) **HO, Chi, Fai** [US/US]; 4816 Cabello Court, Union City, CA 94587 (US). **TONG, Peter, P.** [US/US]; 1807 Limetree Lane, Mountain View, CA 94040 (US).

(74) **TONG, Peter, P.**; 1807 Limetree Lane, Mountain View, CA 94040 (US).

(81) AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **G09B 17/04**

(11) **WO 99/54858** (13) A1

(21) PCT/IT99/00092

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) RN98A000016 **21 Apr/avr 1998** IT **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A WRITING AND PAGINATION ALLOWING A "QUICK READING"
• ECRITURE ET MISE EN PAGE PERMETTANT UNE "LECTURE RAPIDE"

(71, 72) **BIZZIOCCHI, Paolo** [IT/IT]; V. de Amicis, 7, I–47838 Riccione (IT).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G09B 29/10, G09F 13/22**

(11) **WO 99/54859** (13) A1

(21) PCT/GB99/01133

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 9808284.5 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS FOR READING INFORMATION ON A TRANSPARENT SHEET OF MATERIAL
• APPAREIL POUR LIRE DES INFORMATIONS SUR UNE FEUILLE TRANSPARENTE

(71) **MINIFLAME LIMITED** [GB/GB]; Selectron House, Springhead Enterprise Park, Gravesend, Kent DA11 8HD (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WATSON, Peter, Matthew** [GB/GB]; Reynolds Farm, Luddesdown, Gravesend, Kent DA13 0XB (GB). **HUCK, Lennox, Mark** [GB/GB]; 30 Linden Road, Gillingham, Kent ME7 2PH (GB).

(74) **JONES, Graham, Henry**; Graham Jones & Company, 77 Beaconsfield Road, Blackheath, London SE3 7LG (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G09F 3/10**

(11) **WO 99/54860** (13) A1

(21) PCT/US99/07493

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 09/063,402 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PRESSURE SENSITIVE LINERLESS LABEL ASSEMBLIES WITH DRY RELEASE

• ENSEMBLES ETIQUETTES AUTOCOLLANTES SANS SUPPORT UTILISABLES A SEC

(71) **MOORE U.S.A., INC.** [US/US]; 300 Lang Boulevard, Grand Island, NY 14072–1697 (US).

(72) **MOELLER, Scott, A.**; 873 Amy Drive, Grand Island, NY 14072 (US). **RICE, David, K.**; 4860 Baer Road, Sanborn, NY 14132 (US). **SHIPSTON, Adele, C.**; 153 Chestnut Hill South, Williamsville, NY 14221 (US).

(74) **GARRETT, Arthur, S.** et al. / etc.; Finnegan, Henderson, Farabow, Garrett & Dunner L.L.P., 1300 I Street, Washington, DC 20005–3315 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G09F 9/33, H04N 9/12**

(11) **WO 99/54861** (13) A1

(21) PCT/EP99/02672

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) de (26) de

(30) 198 18 007.1 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR GENERATING AN IMAGE
• DISPOSITIF PERMETTANT DE PRODUIRE UNE IMAGE

(71) **DEUTSCHES ZENTRUM FÜR LUFT– UND RAUMFAHRT E.V.** [DE/DE]; D–53175 Bonn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRAUCH, Uwe** [DE/DE]; Haeckerstrasse 19, D–70565 Stuttgart (DE). **OPOWER, Hans** [DE/DE]; Sperberweg 13, D–82152 Krailling (DE).

(74) **BECK, Jürgen** et al. / etc.; Hoeger, Stellrecht & Partner, Uhlandstrasse 14 c, D–70182 Stuttgart (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G09F 9/33, H04N 9/30**

(11) **WO 99/54862** (13) A1

(21) PCT/GB99/01156

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 9808104.5 **16 Apr/avr 1998** GB **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DIGITAL VIDEO SCREEN
• ECRAN VIDEO NUMERIQUE

(71) **GEARHOUSE SPECIAL PROJECTS LTD.** [GB/GB]; Unit 4 Church Road Industrial Estate, Lowfield Heath, Gatwick, East Sussex RH11 0PW (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAKER, Ross, Livingstone** [GB/GB]; 39 Houselands Road, Tonbridge, Kent TN9 1JJ (GB).

(74) **BROWN, Fraser, Gregory, James**; fJ Cleveland, 40–43 Chancery Lane, London WC2A 1JQ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G09F 21/06, 19/18**

(11) **WO 99/54863** (13) A1

(21) PCT/KR99/00188

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 1998/15750 **23 Apr/avr 1998** KR **(23.04.1998)**

(30) 1999/12980 **13 Apr/avr 1999** KR **(13.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMAGE DISPLAY BALLOON DEVICE
• DISPOSITIF D'AFFICHAGE D'IMAGES A BALLON

(71, 72) **LEE, Moo, Lauk** [KR/KR]; ChungguTown 103–602, 1082, Dongseo–ri, Hayang–up, KyungsanCity, Kyungsangbuk–do 712–900 (KR). **LEE, Beum, Gun** [KR/KR]; ChungguTown 103–602, 1082, Dongseo–ri, Hayang–up, KyungsanCity, Kyungsangbuk–do 712–900 (KR).

(74) **IM, Jae, Ryong**; RM 502, New Seoul Building, 828–8, Yeoksam–dong, Kangnam–ku, Seoul 135–080 (KR).

(81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G09G 1/16**

(11) **WO 99/54864** (13) A1

(21) PCT/US99/07955

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/065,468 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GRAPHICS PROCESSOR ARCHITECTURE
• ARCHITECTURE DE PROCESSEUR GRAPHIQUE

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(72) **TOFFOLO, Daniel**; 112 Aspen Lane, Trumbull, CT 06611 (US).

(74) **DOIGAN, Lloyd, D.**; UT Automotive Dearborn, Inc., Legal Dept., 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G09G 3/36, 3/20, H04N 5/66**

(11) **WO 99/54865** (13) A1

(21) PCT/EP99/02050

(22) **25 Mar/mar 1999 (25.03.1999)**

(25) en (26) en

(30) 98870086.0 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONVERSION OF A VIDEO SIGNAL FOR DRIVING A LIQUID CRYSTAL DISPLAY
• CONVERSION D'UN SIGNAL VIDEO DESTINE A ENTRAINER UN AFFICHAGE A CRISTAUX LIQUIDES

(71) **BARCO N.V.** [BE/BE]; Frankrijklaan 18, B–8970 Poperinge (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GADEYNE, Koen** [BE/BE]; Heuntjeshoek 10, B–8570 Anzegem (BE). **VANDENBERGHE, Patrick** [BE/BE]; Goedendagstraat 1, B–8730 Harelbeke (BE).

(74) **HERTOGHE, Kris**; Barco N.V., Theodoor Sevenslaan 106, B–8500 Kortrijk (BE).

(81) CA JP KR NO SG US.

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(51)[6] **G09G 5/00, 15/00, G06F 15/62, H04N 1/22**

(11) **WO 99/54866** (13) A1

(21) PCT/US99/08414

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,245 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/083,401 **22 May/mai 1998** US **(22.05.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR GENERATING AN IMAGE HAVING A HAND–PAINTED APPEARANCE
• PROCEDE ET SYSTEME DE PRODUCTION D'IMAGE RESSEMBLANT A UNE PEINTURE EXECUTEE A LA MAIN

(71) **NEW YORK UNIVERSITY** [US/US]; 70 Washington Square South, New York, NY 10012–1091 (US).

(72) **HERTZMANN, Aaron, P.**; 141 Essex Street #3C, New York, NY 10002 (US). **PERLIN, Kenneth**; 7–13 Washington Square North #31B, New York, NY 10003 (US).

(74) **LENNON, Michael, J.** et al. / etc.; Kenyon & Kenyon, One Broadway, New York, NY 10004 (US).

(81) CA IL JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G10K 15/08**

(11) **WO 99/54867** (13) A1

(21) PCT/NZ99/00049

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 330268 **23 Apr/avr 1998** NZ **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN IN–LINE EARLY REFLECTION ENHANCEMENT SYSTEM FOR ENHANCING ACOUSTICS
• SYSTEME AUGMENTANT LA REFLEXION PRECOCE EN LIGNE, POUR L'AMELIORATION DE L'ACOUSTIQUE

(71) **INDUSTRIAL RESEARCH LIMITED** [NZ/NZ]; Gracefield Road, Lower Hutt 6009 (NZ).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **POLETTI, Mark** [NZ/NZ]; Flat 20, 20 Invercargill Drive, Kelson, Wellington (NZ).

(74) **WEST–WALKER, Gregory, James** et al. / etc.; Russell McVeagh West–Walker, Level 18, Mobil on the Park, 157 Lambton Quay, Wellington (NZ).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G10L 5/06**

(11) **WO 99/54868** (13) A1

(21) PCT/EP99/02641

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 1008930 **20 Apr/avr 1998** NL **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THRESHOLD SETTING AND TRAINING OF A SPEAKER VERIFICATION SYSTEM
• FIXATION DE SEUILS ET APPRENTISSAGE D'UN SYSTEME DE VERIFICATION DE LOCUTEUR

(71) **KONINKLIJKE KPN N.V.** [NL/NL]; Stationsplein 7, NL–9726 AE Groningen (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOVES, Lodewijk, Willem, Johan** [NL/NL]; Rembrandtstraat 18, NL–6521 ME Nijmegen (NL).

(74) **KLEIN, Bart**; Koninklijke KPN N.V., P.O. Box 95321, NL–2509 CH The Hague (NL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G10L 5/06**

(11) **WO 99/54869** (13) A1

(21) PCT/EP99/02673

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,656 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/066,113 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADAPTATION OF A SPEECH RECOGNIZER FOR DIALECTAL AND LINGUISTIC DOMAIN VARIATIONS
• ADAPTATION D'UN SYSTEME DE RECONNAISSANCE DE LA PAROLE A DES VARIATIONS DANS LES DOMAINES DIALECTAL ET LINGUISTIQUE

(71) **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, NY 10504 (US).
(for all designated States except / pour tous les États désignés sauf DE)

(71) **IBM DEUTSCHLAND INFORMATIONSSYSTEME GMBH** [DE/DE]; D–70548 Stuttgart (DE).
(only for / seulement pour DE)

(72) **FISCHER, Volker**; Dundorfweg 7, D–69181 Leimen (DE). **GAO, Yuqing**; Kisco Park, 1 Main Street, Mount Kisco, NY 10549 (US). **PICHENY, Michael, A.**; 118 Ralph Avenue, White Plains, NY 10606 (US). **KUNZMANN, Siegfried**; Freiburger Strasse 30, D–69126 Heidelberg (DE).

(74) **TEUFEL, Fritz**; IBM Deutschland Informationssysteme GmbH, Patentwesen und Urheberrecht, D–70548 Stuttgart (DE).

(81) CN DE (Utility model / modèle d'utilité) HU IN JP KR PL; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G10L 9/18, G06F 12/00**

(11) **WO 99/54870** (13) A1

(21) PCT/JP99/02038

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/107942 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RECORDING/REPRODUCING APPARATUS
• APPAREIL D'ENREGISTREMENT/LECTURE

(71) **SONY CORPORATION** [JP/JP]; 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MINAKATA, Yoshimichi** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **KOGA, Noriyuki** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **AKIHA, Shinjiro** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **IIDA, Kenichi** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(74) **KOIKE, Akira** et al. / etc.; No. 11 Mori Building, 6–4, Toranomon 2–chome, Minato–ku, Tokyo 105–0001 (JP).

(81) CN DE KR US.

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(51)[6] **G11B 7/00**

(11) **WO 99/54871** (13) A1

(21) PCT/IT99/00096

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) RM98A000247 **20 Apr/avr 1998** IT **(20.04.1998)**

(30) RM98A000803 **28 Dec/déc 1998** IT **(28.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OPTICAL SUPPORT FOR THE NON–VOLATILE MEMORISATION OF DATA

AND PROCESSES FOR ITS MANUFACTURING
- SUPPORT OPTIQUE DESTINE A LA MISE EN MEMOIRE PERMANENTE DES DONNEES ET PROCEDES DE FABRICATION

(71, 72) **SALPIANI, Giampietro** [IT/IT]; Via Colle di Mezzo, 19, I–00143 Roma (IT).

(74) **BANCHETTI, Marina** et al. / etc.; Ing. Barzano' & Zanardo Roma S.p.A., Via Piemonte, 26, I–00187 Roma (IT).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G11B 7/122**

(11) **WO 99/54872** (13) A1

(21) PCT/IB99/00613

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 98201240.3 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- OPTICAL SCANNING DEVICE COMPRISING A LENS SYSTEM WITH A COMPACT ACTUATOR
- DISPOSITIF DE NUMERISATION OPTIQUE COMPRENANT UN SYSTEME DE LENTILLES ET MUNI D'UN ACTIONNEUR COMPACT

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **AARTS, Jan, W.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **BAARTMAN, Jan, P.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **WOLFS, Marc, J., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11B 7/135**

(11) **WO 99/54873** (13) A1

(21) PCT/IB99/00585

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 98201238.7 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- OPTICAL SCANNING DEVICE COMPRISING A MAIN LENS AND AN AUXILIARY LENS
- DISPOSITIF D'EXPLORATION OPTIQUE A LENTILLES PRINCIPALE ET AUXILIAIRE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **BAARTMAN, Jan, P.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **AARTS, Jan, W.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **WOLFS, Marc, J., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11B 7/135, G02B 5/30**

(11) **WO 99/54874** (13) A1

(21) PCT/JP99/01991

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/105027 **15 Apr/avr 1998** JP **(15.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- OPTICAL PICKUP DEVICE AND OPTICAL DISK RECORDING AND/OR REPRODUCING DEVICE
- DISPOSITIF DE LECTURE OPTIQUE ET DISPOSITIF D'ENREGISTREMENT ET/OU DE REPRODUCTION DE DISQUES OPTIQUES

(71) **SONY CORPORATION** [JP/JP]; 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDO, Nobuhiko** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **FUJIIE, Kazuhiko** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(74) **KOIKE, Akira** et al. / etc.; No.11 Mori Building, 6–4, Toranomon 2–chome, Minato–ku, Tokyo 105–0001 (JP).

(81) CN KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11B 7/24**

(11) **WO 99/54875** (13) A2

(21) PCT/IB99/00614

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 98201259.3 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- REWRITABLE OPTICAL INFORMATION MEDIUM
- SUPPORT D'INFORMATIONS OPTIQUE REINSCRIPTIBLE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **ZHOU, Guo–Fu**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **STOLK, Steven, A.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP KR RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11B 17/04, G06F 1/16, F16H 21/44**

(11) **WO 99/54876** (13) A1

(21) PCT/US99/08234

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 60/082,161 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54)
- DISC DRIVE LATCH
- VERROU D'UNITE DE DISQUE

(71) **SOUTHCO, INC.** [US/US]; 210 North Brinton Lake Road, Concordville, PA 19331 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUREK, Edward, A., III** [US/US]; 125 Matthew Drive, North Wales, PA 19454 (US).

(74) **TAUFER, Paul, A.** et al. / etc.; Paul & Paul, 2900 Two Thousand Market Street, Philadelphia, PA 19331 (US).

(81) AT AU BR CA CH CN CZ DE DK ES FI GB HU ID IL IN JP KR LU MX NO NZ PL PT RU SE SG SI TR UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11B 20/10, H04N 5/782, 5/85**

(11) **WO 99/54877** (13) A1

(21) PCT/JP99/02096

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/112159 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AUDIOVISUAL DATA RECORDING / REPRODUCING SYSTEM
• SYSTEME D'ENREGISTREMENT / REPRODUCTION DE DONNEES AUDIOVISUELLES

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AYAKI, Yasushi** [JP/JP]; 13–1–206, Kuzuhara–shinmachi, Neyagawa–shi, Osaka 572–0037 (JP).

(74) **MATSUDA, Masamichi**; Shin–Osaka Ikushima Building, 1–3, Miyahara 5–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0003 (JP).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11B 23/40**

(11) **WO 99/54878** (13) A1

(21) PCT/IB99/00709

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 98/3349 **21 Apr/avr 1998** ZA **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MAGNETIC COMPUTER DISKS
• DISQUES INFORMATIQUES MAGNETIQUES

(71, 72) **DUGMORE, Peter, Balfour** [ZA/ZA]; 4 Swanmore Road, Rondebosch 7700 (ZA).

(72, 75) **BULL, Anthony, Eric** [ZA/ZA]; 31 Grotto Road, Rondebosch 7700 (ZA).

(74) **NACHENIUS, Elizabeth**; 3rd floor, 23 Wellington Road, Parktown, Johannesburg 2193 (ZA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G11B 27/034**

(11) **WO 99/54879** (13) A1

(21) PCT/CA99/00313

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 09/063,289 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR ACCESSING AND MANIPULATING TIME–BASED DATA
• PROCEDE ET SYSTEME POUR MANIPULER DES DONNEES TEMPORELLES

(71) **AVID TECHNOLOGY, INC.** [US/US]; Metropolitan Technology Park, One Park West, Tewksbury, MA 01876 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GAGNE, Réjean** [CA/CA]; 4739 Fabre, Montreal, Quebec H2J 3V7 (CA).

(74) **STRATTON, Robert, P.** et al. / etc.; Gowling, Strathy & Henderson, Suite 4900, Commerce Court West, Toronto, Ontario M5L 1J3 (CA).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11C 7/00**

(11) **WO 99/54880** (13) A1

(21) PCT/US99/06807

(22) **29 Mar/mar 1999 (29.03.1999)**

(25) en (26) en

(30) 09/064,811 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SENSE AMPLIFIER WITH ZERO POWER IDLE MODE
• AMPLIFICATEUR DE DETECTION AVEC MODE DE RALENTI A ALIMENTATION NULLE

(71) **ATMEL CORPORATION** [US/US]; 2325 Orchard Parkway, San Jose, CA 95131 (US).

(72) **PATHAK, Saroj**; 12998 Robleda Road, Los Altos Hills, CA 94022 (US). **ROSENDALE, Glen, A.**; 680 Forest Avenue, Palo Alto, CA 94301 (US). **PAYNE, James, E.**; 214 Crows Nest Drive, Boulder Creek, CA 95005 (US). **HANGZO, Nianglamching**; 1079 Gruwell Place, San Jose, CA 95129 (US).

(74) **SCHNECK, Thomas**; Law Offices of Thomas Schneck, P.O. Box 2–E, San Jose, CA 95109–0005 (US).

(81) CA CN JP KR NO SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11C 11/407**

(11) **WO 99/54881** (13) A1

(21) PCT/JP99/02105

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/110447 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SEMICONDUCTOR STORAGE DEVICE
• DISPOSITIF DE MEMORISATION A SEMICONDUCTEURS

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AKAMATSU, Hironori** [JP/JP]; 1–32–30–504, Minamikuzuha, Hirakata–shi, Osaka 573–1105 (JP). **IWATA, Toru** [JP/JP]; 5–26–19–1007, Shimoshinjo, Higashiyodogawa–ku, Osaka–shi, Osaka 533–0021 (JP). **KOJIMA, Makoto** [JP/JP]; 24–3–302, Sinashiya–kami, Suita–shi, Osaka 565–0804 (JP).

(74) **MAEDA, Hiroshi** et al. / etc.; Taihei Building, 4–8, Utsubohonmachi 1–chome, Nishi–ku, Osaka–shi, Osaka 550–0004 (JP).

(81) AU CA CN ID IL JP KR RU SG US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G11C 16/02**

(11) **WO 99/54882** (13) A1

(21) PCT/JP99/02061

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/124288 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SEMICONDUCTOR MEMORY
• MEMOIRE DE SEMI–CONDUCTEUR

(71) **KABUSHIKI KAISHA ULTRACLEAN TECHNOLOGY RESEARCH INSTITUTE** [JP/JP]; 1–4, Hongo 4–chome, Bunkyo–ku, Tokyo 113–0033 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **OHMI, Tadahiro** [JP/JP]; 1–17–301, Komegabukuro 2–chome, Aoba–ku, Sendai–shi, Miyagi–ken 980–0813 (JP). **SHIBATA, Tadashi** [JP/JP]; 3–16–411, Echujima 1–chome, Koto–ku, Tokyo 135–0044 (JP).

(72, 75) **WEE, Keng, Hoong** [SG/SG]; BLK 420, #07–414 Serangoon Central, Singapore 550420 (SG). **YONEZAWA, Takemi** [JP/JP]; Tohoku University, Aza–Aoba, Aramaki, Aoba–ku, Sendai–shi, Miyagi–ken 980–0845 (JP). **NOZAWA, Toshiyuki** [JP/JP]; Tohoku University, Aza–Aoba, Aramaki, Aoba–ku, Sendai–shi, Miyagi–ken 980–0845 (JP). **NITTA, Takahisa** [JP/JP]; Kabushiki Kaisha Ultraclean Technology Research Institute, 1–4, Hongo 4–chome, Bunkyo–ku, Tokyo 113–0033 (JP).

(74) **FUKUMORI, Hisao**; Fuji Building 2F, 5–11, Kudanminami 4–chome, Chiyoda–ku, Tokyo 102–0074 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(51)[6] **G11G 7/00**

(11) **WO 99/54883** (13) A2

(21) PCT/DE99/00572

(22) **3 Mar/mar 1999 (03.03.1999)**

(25) de (26) de

(30) 198 18 037.3 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR WRITING AND READING DIGITAL INFORMATION VALUES
• PROCEDE POUR L'ENREGISTREMENT ET LA LECTURE DE VALEURS D'INFORMATION NUMERIQUES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHNEIDER, Claus** [DE/DE]; Vulpiusstrasse 85, D–81739 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **G21B 1/00**

(11) **WO 99/54884** (13) A1

(21) PCT/FR99/00886

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) fr (26) fr

(30) 98/04846 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR PRODUCING ENERGY FROM A METAL TYPE HYDRIDE
• PROCEDE ET DISPOSITIF POUR LA PRODUCTION D'ENERGIE A PARTIR D'UN HYDRURE A CARACTERE METALLIQUE

(71) **CNAM – CONSERVATOIRE NATIONAL DES ARTS ET METIERS** [FR/FR]; 292, rue Saint–Martin, F–75003 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUFOUR, Jacques, Julien, Jean** [FR/FR]; 224, avenue du Maine, F–75014 Paris (FR). **DUFOUR, Xavier, Jean–Claude, Marie** [FR/FR]; 111, rue de Charenton, F–75012 Paris (FR). **FOOS, Jacques, Henri** [FR/FR]; 33, rue Louis Scocard, F–91400 Orsay (FR). **MURAT, Denis, Marie, Louis** [FR/FR]; 47, rue Notre–Dame de Nazareth, F–75003 Paris (FR).

(74) **MARTIN, Jean–Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F–75116 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G21C 13/00**

(11) **WO 99/54885** (13) A1

(21) PCT/US99/02145

(22) **1 Feb/fév 1999 (01.02.1999)**

(25) en (26) en

(30) 09/061,786 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIPLE REACTOR CONTAINMENT BUILDING
• BATIMENT DE CONFINEMENT DE REACTEURS MULTIPLES

(71) **ABB COMBUSTION ENGINEERING NUCLEAR POWER, INC.** [US/US]; 2000 Day Hill Road, Windsor, CT 06095 (US).

(72) **ROHDE, Kenneth, R.**; 7 Woodland Drive, Granby, CT 06035 (US). **FORD, Justin, L.**; 154 Perry Hill Road, Ashford, CT 06278 (US).

(74) **KANANEN, Ronald, P.**; Rader, Fishman & Grauer, Suite 501, 1233 20th Street, N.W., Washington, DC 20036 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G21D 1/02**

(11) **WO 99/54886** (13) A1

(21) PCT/US99/04975

(22) **5 Mar/mar 1999 (05.03.1999)**

(25) en (26) en

(30) 09/062,111 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SHUTDOWN COOLING SYSTEM SAFETY FEED SYSTEM
• SYSTEME D'ALIMENTATION DE SECURITE POUR SYSTEME DE REFROIDISSEMENT A L'ARRET

(71) **ABB COMBUSTION ENGINEERING NUCLEAR POWER, INC.** [US/US]; 2000 Day Hill Road, Windsor, CT 06095 (US).

(72) **SAMUELS, Terrel, K.**; 218 North Street, Windsor Locks, CT 06096 (US). **PECK, Daniel, A.**; 158 Orchard Hill Drive, South Windsor, CT 06074 (US).

(74) **KANANEN, Ronald, P.**; Rader, Fishman & Grauer, The Lion Building, Suite 501, 1233 20th Street, N.W., Washington, DC 20036 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **G21F 5/08**

(11) **WO 99/54887** (13) A1

(21) PCT/GB99/01180

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808242.3 **21 Apr/avr 1998** GB **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A PROTECTIVE CASING
• CAISSON DE PROTECTION

(71) **BRITISH NUCLEAR FUELS PLC** [GB/GB]; Risley, Warrington, Cheshire WA3 6AS (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NICHOLSON, Graham** [GB/GB]; British Nuclear Fuels plc, Springfield Works, Salwick, Preston, Lancs PR4 0XJ (GB). **WILLETTS, John** [GB/GB]; British Nuclear Fuels plc, Springfield Works, Salwick, Preston, Lancs PR4 0XJ (GB). **MABLESON, Arthur, Robin** [GB/GB]; Vosper Thornycroft (UK) Limited, Victoria Road, Woolston, Southampton SO19 9RR (GB). **WESTON, Colin, John** [GB/GB]; Comtech Consultant Engineers, 29 Valley Close, Golden Common, Winchester, Hants SO21 1UN (GB).

(74) **GODDARD, David, John**; Harrison Goddard Foote, 1 Stockport Road, Marple, Stockport SK6 6BD (GB) et al. / etc.

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01B 3/12, 3/00, C08L 51/06, 101/00, C08K 3/00**

(11) **WO 99/54888** (13) A1

(21) PCT/JP99/02022

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/122978 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITE DIELECTRIC MATERIAL COMPOSITION, AND FILM, SUBSTRATE, ELECTRONIC PARTS AND MOLDINGS THEREFROM
• COMPOSITION A BASE D'UN MATERIAU DIELECTRIQUE COMPOSITE, FILM, SUBSTRAT, COMPOSANTS ELECTRONIQUES ET MOULAGES FAITS AVEC CETTE COMPOSITION

(71) **TDK CORPORATION** [JP/JP]; 13–1, Nihonbashi 1–chome, Chuo–ku, Tokyo 103–8272 (JP). **NOF CORPORATION** [JP/JP]; 20–3, Ebisu 4–chome, Shibuya–ku, Tokyo 150–0013 (JP).

(72) **YAMADA, Toshiaki**; TDK Corporation, 13–1, Nihonbashi 1–chome, Chuo–ku, Tokyo 103–8272 (JP). **HASEGAWA, Hiroaki**; TDK Corporation, 13–1, Nihonbashi 1–chome, Chuo–ku, Tokyo 103–8272 (JP). **YASUKAWA, Yoshiyuki**; TDK Corporation, 13–1, Nihonbashi 1–chome, Chuo–ku, Tokyo 103–8272 (JP). **ENDOU, Kenji**; TDK Corporation, 13–1, Nihonbashi 1–chome, Chuo–ku, Tokyo 103–8272 (JP). **YAMADA, Michihisa**; 18–2, Higashi–obori, Kagiya–machi, Tokai–shi, Aichi 477–0032 (JP). **MORIYA, Yasuo**; 29–4, Akatsutsumi 4–chome, Setagaya–ku, Tokyo 156–0044 (JP). **YAMADA, Tomiho**; 179–1, Wakakusacho 3–chome, Obu–shi, Aichi 474–0022 (JP). **ITO, Tetsuya**; 2–34, Aza–Rokkanyama, Taketoyo–cho, Chita–gun, Aichi 470–2362 (JP).

(74) **ISHII, Yoichi**; Tenjin Iyasaka Kosan Building, 3rd floor, 23–1, Yushima 3–chome, Bunkyo–ku, Tokyo 113–0034 (JP).

(81) KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01B 11/02**

(11) **WO 99/54889** (13) A1

(21) PCT/US99/08365

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062.059 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH PERFORMANCE DATA CABLE
• CABLE DE DONNEES A PERFORMANCES ELEVEES

(71) **PRESTOLITE WIRE CORPORATION** [US/US]; 200 Galleria Officentre CS #5022, Southfield, MI 48086 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GRANDY, Mark, E.** [US/US]; 3228 Mt. Vernon, Port Huron, MI 48060 (US). **LAING, Edwin, D.** [US/US]; 240 Hemlock Lane, Marysville, MI 48040 (US). **ROSENBAUM, Janet, M.** [US/US]; 1365 Palomino Place, Sidney, NE 69162 (US). **PELSTER, James, J.** [US/US]; 2222 Road 109, Sidney, NE 69162–3305 (US). **TOTLAND, Rune** [US/US]; 571 Lucille Lane, Sidney, NE 69161 (US). **DICKMAN, Jim, L., II** [US/US]; 2035 12th Avenue, Sidney, NE 69162 (US). **WHITE, Mark, W.** [US/US]; 2240 Linden, Sidney, NE 69162 (US). **WIEKHORST, David, J.** [US/US]; 3480 Road 83, Potter, NE 69156–8404 (US). **BERELSMAN, Timothy, N.** [US/US]; 1301 Rose Anna Street, Delphos, OH 45833 (US).

(74) **STEWART, Michael, B.**; Rader, Fishman & Grauer PLLC, Suite 140, 1533 North Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01F 1/057**

(11) **WO 99/54890** (13) A1

(21) PCT/JP99/01945

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) ja (26) ja

(30) 10/123956 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CORROSION–RESISTING PERMANENT MAGNET AND METHOD FOR PRODUCING THE SAME
• AIMANT PERMANENT RESISTANT A LA CORROSION ET SON PROCEDE DE FABRICATION

(71) **SUMITOMO SPECIAL METALS CO., LTD.** [JP/JP]; 7–19, Kitahama 4–chome, Chuou–ku, Osaka–shi, Osaka 541–0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YOSIMURA, Kohshi** [JP/JP]; 9–3–103, Minamitsukaguchi–cho 6–chome, Amagasaki–shi, Hyogo 661–0012 (JP). **NISHIUCHI, Takeshi** [JP/JP]; 10–16, Mitsukeyama 1–chome, Ibaraki–shi, Osaka 567–0035 (JP). **KIKUI, Fumiaki** [JP/JP]; 13–15, Satsukinohigashi 1–chome, Mihara–cho, Minamikawachi–gun, Osaka 587–0032 (JP).

(74) **OSHIDA, Yoshihisa**; Ginza Building, 3–12, Ginza 3–chome, Chuou–ku, Tokyo 104–0061 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01F 1/08, 1/113, H01J 29/54**

(11) **WO 99/54891** (13) A1

(21) PCT/JP99/02095

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/110982 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLAME–RETARDANT RESIN MAGNET MATERIAL
• MATERIAU D'AIMANT EN RESINE RETARDANT LA COMBUSTION

(71) **KANEKA CORPORATION** [JP/JP]; 2–4, Nakanoshima 3–chome, Kita–ku, Osaka–shi, Osaka 530–0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72) **AOISHI, Eiji** (deceased / décédé).

(72, 75) **IDA, Takeshi** [JP/JP]; 3628, Kumakura–cho, Mooka–shi, Tochigi 321–4362 (JP). **MARUTANI, Naoshi** [JP/JP]; 1–2–405, Oyadai–machi, Mooka–shi, Tochigi 321–4338 (JP).

(74) **YANAGINO, Takao**; Noskmard Building, 15–5, Miyahara 1–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0003 (JP).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01F 1/08, B22F 1/00**

(11) **WO 99/54892** (13) A1

(21) PCT/JP99/02151

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) ja (26) ja

(30) 10/129506 **22 Apr/avr 1998** JP **(22.04.1998)**

(30) 10/283908 **6 Oct/oct 1998** JP **(06.10.1998)**

(30) 11/113800 **21 Apr/avr 1999** JP **(21.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING R–Fe–B PERMANENT MAGNET, AND LUBRICATING AGENT AND RELEASE AGENT FOR USE IN SHAPING THE SAME
• PROCEDE DE PRODUCTION D'UN AIMANT PERMANENT R–Fe–B, AGENT LUBRIFIANT ET AGENT DE LIBERATION UTILISES DANS SON FAÇONNAGE

(71) **SUMITOMO SPECIAL METALS CO., LTD.** [JP/JP]; 7–19, Kitahama 4–chome, Chuou–ku, Osaka–shi, Osaka 541–0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KANEKO, Yuji** [JP/JP]; 39–207, Okurayama, Kohata, Uji–shi, Kyoto 611–0002 (JP). **BABA, Junichiro** [JP/JP]; 7–21–207, Kamiji 1–chome, Higashinari–ku, Osaka–shi, Osaka 537–0003 (JP).

TANAKA, Kazuo [JP/JP]; 1776–8, Kamiyabe–cho, Totsuka–ku, Yokohama–shi, Kanagawa 245–0053 (JP). **MORI, Shizuo** [JP/JP]; 262–32, Kamigo–cho, Sakae–ku, Yokohama–shi, Kanagawa 247–0013 (JP).

(74) **OSHIDA, Yoshihisa**; Ginza Building, 3–12, Ginza 3–chome, Chuou–ku, Tokyo 104–0061 (JP).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01G 2/08, 9/08**

(11) **WO 99/54893** (13) A1

(21) PCT/DE99/01025

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 17 493.4 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ALUMINUM ELECTROLYTIC CAPACITOR
• CONDENSATEUR ELECTROLYTIQUE EN ALUMINIUM

(71) **SIEMENS MATSUSHITA COMPONENTS GMBH & CO. KG** [DE/DE]; Balanstrasse 73, D–81541 München (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BEIER, Dieter** [DE/DE]; Saidelsteig 59, D–91058 Erlangen (DE). **DANZER, Klaus** [DE/DE]; Auf der Kappel 19, D–89188 Merklingen (DE). **FETZER, Jürgen** [DE/DE]; Mühlstrasse 19, D–89547 Gerstetten (DE). **GAYER, Manfred** [DE/DE]; Mozartstrasse 17, D–91334 Hemhofen (DE). **NIEDERBERGER, Gerhard** [DE/DE]; Drosselweg 3, D–89547 Gerstetten (DE). **NEUMEISTER, Stephan** [DE/DE]; Albrecht–Dürer–Strasse 99, D–89520 Heidenheim (DE). **RAIBLE, Christoph** [DE/DE]; Schillerstrasse 4, D–82211 Herrsching (DE). **REDER, Thomas** [DE/DE]; Pirckheimerstrasse 11, D–90408 Nürnberg (DE). **SCHWEIKERT, Wilhelm** [DE/DE]; Kistelbergstrasse 33, D–89522 Heidenheim (DE). **SPRINGMANN, Walter** [DE/DE]; Obere Bachgasse 10b, D–91325 Adelsdorf (DE). **WILL, Norbert** [DE/DE]; Normannenweg 16, D–89522 Heidenheim (DE).

(74) **SIEMENS MATSUSHITA COMPONENTS GMBH & CO. KG**; Epping, Wilhelm, Postfach 22 13 17, D–80503 München (DE).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01G 4/015, 4/32, 4/18**

(11) **WO 99/54894** (13) A1

(21) PCT/US99/08832

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/065,131 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METALLIZED FILM CAPACITOR FOR USE IN IMPLANTABLE DEFIBRILLATOR
• CONDENSATEUR A FILM MINCE POUVANT ETRE UTILISE DANS UN DEFIBRILLATEUR IMPLANTABLE

(71) **INTERMEDICS INC.** [US/US]; 4000 Technology Drive, Angleton, TX 77515 (US).

(72) **MUNSHI, Mohammed, Zafar, Amin**; 3610 Cresswell Court, Missouri City, TX 77459 (US).

(74) **VIKSNINS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01G 4/33**

(11) **WO 99/54895** (13) A2

(21) PCT/IB99/00608

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 98201260.1 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • THIN–FILM CAPACITOR
• CONDENSATEUR A FILM MINCE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE). *(only for / seulement pour SE)*

(72) **NELLISSEN, Antonius, J., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **VAN DER BEEK, Gerrit, P.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **DE WILD, Willem, R.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **VAN DER VEER, Johannis, L.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01G 9/04, 9/008**

(11) **WO 99/54896** (13) A1

(21) PCT/US99/08686

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,692 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTROLYTIC CAPACITOR AND MULTI–ANODIC ATTACHMENT
• CONDENSATEUR ELECTROLYTIQUE ET FIXATION POLYANODIQUE

(71) **CARDIAC PACEMAKERS, INC.** [US/US]; 4100 Hamline Avenue North, St. Paul, MN 55112 (US).

(72) **O'PHELAN, Michael, J.**; 6895 Upper 28th Street North, Oakdale, MN 55128 (US). **TONG, Robert, R.**; 1253 Hillwind Road N.E., Fridley, MN 55432 (US). **POPLETT, James, M.**; 6830 Olympia Street, Golden Valley, MN 55427 (US). **CHRISTENSON, Luke, J.**; 12309 Fiona Avenue North, White Bear Lake, MN 55110 (US). **BARR, Alexander, Gordon**; 11021 27th Avenue, Burnsville, MN 55337 (US). **WAYTASHEK, Brian, V.**; 488 Hawthorn, Lino Lakes, MN 55014 (US).

(74) **VIKSNINS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01H 1/20**

(11) **WO 99/54897** (13) A1

(21) PCT/DE99/01116

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 18 058.6 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SWITCHING DEVICE WITH INTERRUPTER CHAMBER MODULE
• APPAREIL DE COMMUTATION COMPORTANT UN MODULE A CHAMBRE DE COUPURE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **NIEBLER, Ludwig** [DE/DE]; Erzgebirgstrasse 8, D–93164 Laaber (DE). **STRASSBURGER, Michael** [DE/DE]; Steinäcker 1A, D–92266 Ensdorf (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01H 1/58**

(11) **WO 99/54898** (13) A1

(21) PCT/DE99/01195

(22) **17 Apr/avr 1999 (17.04.1999)**

(25) de (26) de

(30) 198 16 947.7 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SNAP–ON WAFER SWITCH FOR HIGH CURRENTS
• INTERRUPTEUR SENSIBLE POUR COURANTS DE FORTE INTENSITE

(71) **INOVAN GMBH & CO. KG METALLE UND BAUELEMENTE** [DE/DE]; Industriestrasse 44, D–75217 Birkenfeld (DE). **DAV** [FR/FR]; 5, avenue Newton, F–78180 Montigny–le–Bretonneux (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROSSKOPF, Stefan** [DE/DE]; Landhausstrasse 28/1, D–75334 Straubenhardt (DE). **VANHELLE, Stéphane** [FR/FR]; 50, rue Croix de Martelett, F–74970 Marignier (FR).

(74) **DIMMERLING, Heinz**; Postfach 21 13 75, D–76163 Karlsruhe (DE).

(81) BR JP TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01H 5/30**

(11) **WO 99/54899** (13) A1

(21) PCT/DE99/01193

(22) **17 Apr/avr 1999 (17.04.1999)**

(25) de (26) de

(30) 198 16 946.9 **17 Apr/avr 1998 (17.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SNAP–ON WAFER SWITCH
• INTERRUPTEUR SENSIBLE

(71) **INOVAN GMBH & CO. KG METALLE UND BAUELEMENTE** [DE/DE]; Industriestrasse 44, D–75217 Birkenfeld (DE). **DAV** [FR/FR]; 5, avenue Newton, F–78180 Montigny–le–Bretonneux (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROSSKOPF, Stefan** [DE/DE]; Landhausstrasse 28/1, D–75334 Straubenhardt (DE). **VANHELLE, Stéphane** [FR/FR]; 50, rue Croix de Martelett, F–74970 Marignier (FR).

(74) **DIMMERLING, Heinz**; Postfach 21 13 75, D–76163 Karlsruhe (DE).

(81) BR JP TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01H 5/30**

(11) **WO 99/54900** (13) A1

(21) PCT/DE99/01194

(22) **17 Apr/avr 1999 (17.04.1999)**

(25) de (26) de

(30) 198 23 894.0 **18 Apr/avr 1998 (18.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SNAP–ON WAFER SWITCH WITH A FIXING ELEMENT
• INTERRUPTEUR SENSIBLE AVEC ELEMENT DE FIXATION

(71) **INOVAN GMBH & CO. KG METALLE UND BAUELEMENTE** [DE/DE]; Industriestrasse 44, D–75217 Birkenfeld (DE). **DAV** [FR/FR]; 5, avenue Newton, F–78180 Montigny–le–Bretonneux (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROSSKOPF, Stefan** [DE/DE]; Landhausstrasse 28/1, D–75334 Straubenhardt (DE). **VANHELLE, Stéphane** [FR/FR]; 50, rue Croix de Martelett, F–74970 Marignier (FR).

(74) **DIMMERLING, Heinz**; Postfach 21 13 75, D–76163 Karlsruhe (DE).

(81) BR JP TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01H 27/04, H01R 13/703, H05K 5/00**

(11) **WO 99/54901** (13) A1

(21) PCT/EP99/02477

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) de (26) de

(30) 198 16 904.3 **16 Apr/avr 1998 (16.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRIC CIRCUIT WITH A PLUG–IN CONNECTOR, ESPECIALLY A CONTROL DEVICE FOR MOTOR VEHICLES
• CIRCUIT ELECTRIQUE MUNI DE CONNECTEURS A FICHES, NOTAMMENT DISPOSITIF DE COMMANDE POUR VEHICULES AUTOMOBILES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE). **VOLKSWAGEN AG** [DE/DE]; D–38436 Wolfsburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOLAR, Robert** [DE/DE]; Lindenstrasse 5A, D–93346 Ihrlerstein (DE). **LEHNST, Thomas** [DE/DE]; Kötherberg 24, D–38104 Braunschweig (DE). **PROBST, Heinrich** [DE/DE]; Hauptstrasse 22 A, D–93105 Tegernheim (DE). **DIRMEYER, Josef** [DE/DE]; Waldstrasse 9, D–92439 Bodenwöhr (DE).

(74) **EPPING, Wilhelm**; Postfach 22 13 17, D–80503 München (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01H 33/75**

(11) **WO 99/54902** (13) A1

(21) PCT/US99/08755

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/063,272 **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN INTERRUPT ASSEMBLY FOR A PRIMARY CIRCUIT BREAKER
• ENSEMBLE INTERRUPTEUR POUR DISJONCTEUR PRIMAIRE

(71) **COOPER INDUSTRIES, INC.** [US/US]; Suite 5800, 600 Travis, Houston, TX 77002 (US).

(72) **DUPONT, John, Phillip**; 1513 Pewaukee Road, Waukesha, WI 53188 (US). **KNAPP, Todd, Kim**; W270 S3935 Heather Drive, Waukesha, WI 53188 (US).

(74) **HAYDEN, John, F.**; Fish & Richardson P.C., 601 Thirteenth Street, N.W., Washington, DC 20005 (US).

(81) BR CA KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01H 37/04, 37/00, H01R 13/713**

(11) **WO 99/54903** (13) A2

(21) PCT/GB99/01219

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 9808484.1 **21 Apr/avr 1998 (21.04.1998)** GB

(30) 9815894.2 **21 Jul/juil 1998 (21.07.1998)** GB

(30) 9903652.7 **17 Feb/fév 1999 (17.02.1999)** GB

(30) 9904908.2 **3 Mar/mar 1999 (03.03.1999)** GB

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVEMENTS RELATING TO THE CONTROL OF ELECTRIC HEATING ELEMENTS
• AMELIORATIONS RELATIVES A LA COMMANDE D'ELEMENTS CHAUFFANTS ELECTRIQUES

(71) **OTTER CONTROLS LIMITED** [GB/GB]; Hardwick Square South, Buxton, Derbyshire SK17 6LA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **O'NEILL, Robert, Andrew** [GB/GB]; "Morcot", Alexandra Road, Buxton, Derbyshire SK17 9NQ (GB). **BROOK, Stephen, Roger** [GB/GB]; 5 Kennett Grove, Buxton, Derbyshire SK17 6XT (GB).

(74) **MILHENCH, Howard, Leslie** et al. / etc.; R.G.C. Jenkins & Co., 26 Caxton Street, London SW1H 0RJ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(51)[6] **H01H 39/00**

(11) **WO 99/54904** (13) A1

(21) PCT/DE99/01168

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) de (26) de

(30) 198 17 133.1 **19 Apr/avr 1998** DE **(19.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR ISOLATING AN ELECTRIC CIRCUIT, ESPECIALLY FOR HIGH CURRENT INTENSITIES
• DISPOSITIF PERMETTANT D'ISOLER UN CIRCUIT ELECTRIQUE, NOTAMMENT EN CAS DE FORT AMPERAGE

(71) **TRW AUTOMOTIVE ELECTRONICS & COMPONENTS GMBH & CO. KG** [DE/DE]; Industriestrasse 2–8, D–78315 Radolfzell (DE).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **LELL, Peter** [DE/DE]; Am Mühlbachbogen 85, D–85368 Moosburg (DE).

(74) **EDER & SCHIESCHKE**; Elisabethstrasse 34/II, D–80796 München (DE).

(81) BR CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01H 50/62**

(11) **WO 99/54905** (13) A1

(21) PCT/EP99/02508

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 16 878.0 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TWIN RELAY
• RELAIS JUMELE

(71) **HENGSTLER GMBH GESCHÄFTSBEREICH BAUELEMENTE** [DE/DE]; Wörthstrasse 31, D–78564 Wehingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIRSCH, Eberhard** [DE/DE]; Rübäckerstrasse 9, D–78564 Wehingen (DE).

(74) **RIEBLING, Peter**; Postfach 31 60, D–88113 Lindau (DE).

(81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01J 9/04, 61/073**

(11) **WO 99/54906** (13) A1

(21) PCT/JP99/02014

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) ja (26) ja

(30) 10/106801 **16 Apr/avr 1998** JP **(16.04.1998)**

(30) 10/210056 **24 Jul/juil 1998** JP **(24.07.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH–PRESSURE ELECTRICAL DISCHARGE LAMP AND LIGHTING DEVICE
• LAMPE A DECHARGE ELECTRIQUE A HAUTE PRESSION ET DISPOSITIF D'ECLAIRAGE

(71) **TOSHIBA LIGHTING & TECHNOLOGY CORPORATION** [JP/JP]; 3–1, Higashishinagawa 4–chome, Shinagawa–ku, Tokyo 140–8640 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HONDA, Hisashi** [JP/JP]; 1–42–1–610, Sakamoto–cho, Yokosuka–shi, Kanagawa 238–0043 (JP). **ASHIDA, Seiji** [JP/JP]; 1–16–6, Hirasaku, Yokosuka–shi, Kanagawa 238–0032 (JP). **SAITA, Kiyoshi** [JP/JP]; 48–17, Obaradai, Yokosuka–shi, Kanagawa 239–0812 (JP). **ISHIZAKI, Ariyoshi** [JP/JP]; 243–80, Setogaya–cho, Hodogaya–ku, Yokohama–shi, Kanagawa 240–0024 (JP). **ITOH, Akira** [JP/JP]; 2073–2–B401, Ijima–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–0842 (JP). **KAWATSURU, Shigehisa** [JP/JP]; 1–4–16, Sahara, Yokosuka–shi, Kanagawa 239–0835 (JP). **OTABE, Tatsuo** [JP/JP]; 1–25–5, Yaguchi, Ota–ku, Tokyo 146–0093 (JP).

(74) **SUZUYE, Takehiko** et al. / etc.; Suzuye & Suzuye, 7–2, Kasumigaseki 3–chome, Chiyoda–ku, Tokyo 100–0013 (JP).

(81) KR US; EP (BE DE GB).

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(51)[6] **H01J 25/50, 7/44, H05B 39/00**

(11) **WO 99/54907** (13) A1

(21) PCT/US99/08328

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) P 98–01–01792 **17 Apr/avr 1998** AR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE TO OPTIMIZE THE GENERATION OF VISIBLE LIGHT PRODUCED BY THE INFLUENCE OF AN ELECTRIC FIELD (E) ON THE ULTRAVIOLET RADIATION. THE DEVICE IS APPLICABLE TO MERCURY ARC VAPOR LAMPS AND/OR FLUORESCENT TUBES
• DISPOSITIF POUR OPTIMISER LA GENERATION DE LA LUMIERE VISIBLE PRODUITE SOUS L'EFFET DE L'INFLUENCE D'UN CHAMP ELECTRIQUE (E) SUR LE RAYONNEMENT ULTRAVIOLET ET APPLICATION DU DISPOSITIF DANS DES LAMPES A VAPEUR DE MERCURE ET/OU DANS DES TUBES FLUORESCENTS

(71) **NORVIC, LLC** [US/US]; One Morningside Drive North, Westport, CT 06880 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MULIERI, Norberto, Miguel** [AR/AR]; Piso 7, Departmento "F", Blanco Encalada 2851, Buenos Aires, C.P. 1428 (AR).

(74) **CARVIS, Thaddius, J.**; St. Onge Steward Johnston & Reens LLC, 986 Bedford Street, Stamford, CT 06905–5619 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01J 37/32**

(11) **WO 99/54908** (13) A1

(21) PCT/US99/07584

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) en (26) en

(30) 09/065,384 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CRYSTALLINE GAS DISTRIBUTOR FOR SEMICONDUCTOR PLASMA ETCM CHAMBER
• DISTRIBUTEUR DE GAZ CRISTALLIN POUR CHAMBRE DE GRAVURE AU PLASMA DE SEMICONDUCTEURS

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **HERCHEN, Harald**; 3094 Mattique Drive, San Jose, CA 95135 (US). **BROWN, William**; 1275 Randol Avenue, San Jose, CA 95126 (US). **NZEADIBE, Ihi**; 6265 Rubicon Avenue, Newark, CA 94566 (US). **KUJANECK, Dan**; 1094 Woodminster Drive, San Jose, CA 95121 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) JP.

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(51)[6] **H01J 37/32, 37/34**

(11) **WO 99/54909** (13) A1

(21) PCT/US99/08368

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/064,355 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SMALLER DIAMETER COIL TO ENHANCE UNIFORMITY OF METAL FILM FORMED BY INDUCTIVELY COUPLED PLASMA DEPOSITION
• BOBINE DE DIAMETRE INFERIEUR AUGMENTANT L'UNIFORMITE D'UN FILM METALLIQUE FORME EN DEPOT PAR PLASMA A COUPLAGE INDUCTIF

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **GOPALRAJA, Praburam**; Apartment 277, 1235 Wildwood Avenue, Sunnyvale, CA 94089 (US). **XU, Zheng**; 279 Hudson Bay Street, Foster City, CA 94404 (US). **HOFMANN, Ralf**; 1431 Saratoga Avenue #118, San Jose, CA 95129 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) JP.

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(51)[6] **H01J 37/34, C23C 14/34**

(11) **WO 99/54910** (13) A1

(21) PCT/EP99/02447

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) de (26) de

(30) 98106874.5 **16 Apr/avr 1998** EP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RETAINING RING AND TARGET AND METHOD FOR PRODUCING SAME
• BAGUE DE SUPPORT AINSI QUE CIBLE ET PROCEDE POUR SA FABRICATION

(71) **BALZERS AKTIENGESELLSCHAFT** [LI/LI]; FL–9496 Balzers (LI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STUCKI, Hans–Ulrich** [CH/CH]; Ringstrasse 10, CH–9477 Trübbach (CH). **SIEGL, Wolfgang** [AT/AT]; Maehdlestrasse 1, A–6812 Meiningen (AT).

(74) **WAGNER, Wolfgang, H.**; Zimmerli, Wagner & Partner AG, Löwenstrasse 19, CH–8001 Zürich (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01J 37/34**

(11) **WO 99/54911** (13) A1

(21) PCT/EP99/02646

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 98201208.0 **16 Apr/avr 1998** EP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEANS FOR CONTROLLING TARGET EROSION AND SPUTTERING IN A MAGNETRON
• DISPOSITIF DE COMMANDE D'EROSION ET DE PULVERISATION DE CIBLE DANS UN MAGNETRON

(71) **SINVACO N.V.** [BE/BE]; Karreweg 20, B–9870 Zulte (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DE BOSSCHER, Wilmert** [BE/BE]; Noordhoutstraat 22, B–9031 Drongen (BE). **LIEVENS, Hugo** [BE/BE]; Nederzwijnaarde 45, B–9052 Gent (BE).

(74) **BIRD, William** et al. / etc.; Bird Goën & Co., Termerestraat 1, B–3020 Winksele (BE).

(81) CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01J 40/14**

(11) **WO 99/54912** (13) A1

(21) PCT/US99/04582

(22) **3 Mar/mar 1999 (03.03.1999)**

(25) en (26) en

(30) 09/061,303 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACTIVE PIXEL CMOS SENSOR WITH MULTIPLE STORAGE CAPACITORS
• CAPTEUR CMOS DE PIXELS ACTIFS, A CONDENSATEURS DE MEMORISATION MULTIPLES

(71) **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOOTH, Lawrence, Jr.** [US/US]; 15230 S. 17th Avenue, Phoenix, AZ 85045 (US).

(74) **TAYLOR, Edwin, H.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01J 61/30, 65/04, 9/24**

(11) **WO 99/54913** (13) A1

(21) PCT/DE99/01089

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 17 478.0 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLAT DISCHARGE LAMP AND METHOD FOR THE PRODUCTION THEREOF
• LAMPE A DECHARGE PLATE ET SON PROCEDE DE PRODUCTION

(71) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH** [DE/DE]; Hellabrunner Strasse 1, D–81543 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SEIBOLD, Michael** [DE/DE]; Denkenhofstrasse 14b, D–81249 München (DE). **ILMER, Michael** [DE/DE]; Hunoldsgraben 9, D–86150 Augsburg (DE). **EBERHARDT, Angela** [DE/DE]; Metzstrasse 46, D–86157 Augsburg (DE).

(74) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH**; Postfach 22 16 34, D–80506 München (DE).

(81) CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01J 61/30, 65/00, 65/04**

(11) **WO 99/54914** (13) A1

(21) PCT/DE99/01093

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 17 476.4 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLUORESCENT LAMP WITH SPACERS AND LOCALLY REDUCED LUMINESCENT MATERIAL LAYER THICKNESS
• TUBE FLUORESCENT COMPORTANT DES ELEMENTS D'ECARTEMENT ET PRESENTANT UNE EPAISSEUR DE COUCHE DE LA SUBSTANCE FLUORESCENTE LOCALEMENT REDUITE

(71) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH** [DE/DE]; Hellabrunner Strasse 1, D–81543 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VOLLKOMMER, Frank** [DE/DE]; Neuriederstrasse 18, D–82131 Buchendorf (DE). **HITZSCHKE, Lothar** [DE/DE]; Theodor–Alt–Strasse 6, D–81737 München (DE).

(74) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH**; Postfach 22 16 34, D–80506 München (DE).

(81) CA HU JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01J 61/42, 65/00, 65/04**

(11) **WO 99/54915** (13) A1

(21) PCT/DE99/01094

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 17 477.2 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLUORESCENT LAMP WITH LUMINESCENT MATERIAL LAYER THICKNESS ADAPTED TO THE GEOMETRICAL DISCHARGE DISTRIBUTION
• TUBE FLUORESCENT AVEC EPAISSEUR DE COUCHE DE LA SUBSTANCE FLUORESCENTE ADAPTEE A LA REPARTITION GEOMETRIQUE DES DECHARGES

(71) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH** [DE/DE]; Hellabrunner Strasse 1, D–81543 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LECHELER, Reinhard** [DE/DE]; Gustav–Philip–Strasse 58 1/2, D–86633 Neuburg (DE). **SCHWEIZER, Hermann** [DE/DE]; Alpenstrasse 30, D–86356 Neusäß (DE). **SEIBOLD, Michael** [DE/DE]; Denkenhofstrasse 14b, D–81249 München (DE).

(74) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH**; Postfach 22 16 34, D–80506 München (DE).

(81) CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01J 65/00**

(11) **WO 99/54916** (13) A2

(21) PCT/DE99/01092

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 17 480.2 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLAT REFLECTOR LAMP FOR DIELECTRICALLY INHIBITED DISCHARGES WITH SPACERS
• TUBE FLUORESCENT PLAT POUR DECHARGES INHIBEES DIELECTRIQUEMENT COMPORTANT DES ELEMENTS D'ECARTEMENT

(71) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH** [DE/DE]; Hellabrunner Strasse 1, D–81543 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VOLLKOMMER, Frank** [DE/DE]; Neuriederstrasse 18, D–82131 Buchendorf (DE). **HITZSCHKE, Lothar** [DE/DE]; Theodor–Alt–Strasse 6, D–81737 München (DE).

(74) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH**; Postfach 22 16 34, D–80506 München (DE).

(81) CA HU JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01J 65/04, 65/00**

(11) **WO 99/54917** (13) A1

(21) PCT/DE99/00450

(22) **18 Feb/fév 1999 (18.02.1999)**

(25) de (26) de

(30) 198 17 475.6 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISCHARGE LAMP WITH DIELECTRICALLY IMPEDED ELECTRODES
• LAMPE A DECHARGE A ELECTRODES PROTEGEES PAR UN DIELECTRIQUE

(71) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH** [DE/DE]; Hellabrunner Strasse 1, D–81543 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VOLLKOMMER, Frank** [DE/DE]; Neuriederstrasse 18, D–82131 Buchendorf (DE). **HITZSCHKE, Lothar** [DE/DE]; Theodor–Alt–Strasse 6, D–81737 München (DE).

(74) **PATENT–TREUHAND–GESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH**; Postfach 22 16 34, D–80506 München (DE).

(81) CA HU JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L**

(11) **WO 99/54918** (13) A2

(21) PCT/IB99/00537

(22) **29 Mar/mar 1999 (29.03.1999)**

(25) en (26) en

(30) 9808234.0 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MANUFACTURE OF TRENCH–GATE SEMICONDUCTOR DEVICES
• FABRICATION DE COMPOSANTS A SEMICONDUCTEURS COMPORTANT UNE TRANCHEE ET UNE GRILLE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **LUO, Jikui**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **STEVENS, Brian, T.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L**

(11) **WO 99/54919** (13) A2

(21) PCT/IB99/00538

(22) **29 Mar/mar 1999 (29.03.1999)**

(25) en (26) en

(30) 9808237.3 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MANUFACTURE OF FIELD–EFFECT SEMICONDUCTOR DEVICES
• FABRICATION DE COMPOSANTS A SEMICONDUCTEUR A EFFET DE CHAMP

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **LUO, Jikui**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **STEVENS, Brian, T.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L**

(11) **WO 99/54920** (13) A2

(21) PCT/US99/08784

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,494 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRO–CHEMICAL DEPOSITION CELL FOR FACE–UP PROCESSING OF SINGLE SEMICONDUCTOR SUBSTRATES
• CELLULE DE DEPOT ELECTROCHIMIQUE POUR LE TRAITEMENT FACE EN HAUT DE SUBSTRATS SEMICONDUCTEURS UNIQUES

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **DORDI, Yezdi**; 104 Walter Hays Drive, Palo Alto, CA 94303 (US). **STEVENS, Joe**; 5653 Enning Avenue, San Jose, CA 95123 (US). **EDWARDS, Roy**; 215 Mont-Clair Road, Los Gatos, CA 95030 (US). **LOWRANCE, Robert, B.**; 15822 Edmund Drive, Los Gatos, CA 95032 (US). **SUGARMAN, Michael**; 134 Belvedere Street, San Francisco, CA 94117 (US). **DENOME, Mark**; 418 Galleria Drive #8, San Jose, CA 95134 (US).

(74) **TACKETT, Keith, M.**; Patterson & Associates, Suite 1500, 3040 Post Oak Boulevard, Houston, TX 77056 (US).

(81) JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/00**

(11) **WO 99/54921** (13) A1

(21) PCT/US99/07910

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 09/064,375 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AUTOMATED WAFER BUFFER FOR USE WITH WAFER PROCESSING EQUIPMENT
• SYSTEME TAMPON AUTOMATISE POUR PLAQUETTES DANS UNE INSTALLATION DE TRAITEMENT DE PLAQUETTES

(71) **VARIAN SEMICONDUCTOR EQUIPMENT ASSOCIATES, INC.** [US/US]; 35 Dory Road, Gloucester, MA 01930 (US).

(72) **MUKA, Richard, S.**; 32 Candelwood Drive, Topsfield, MA 01983 (US).

(74) **MCCLELLAN, William, R.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/027, G03F 9/00**

(11) **WO 99/54922** (13) A1

(21) PCT/JP99/02124

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/112428 **22 Apr/avr 1998** JP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXPOSURE METHOD AND EXPOSURE SYSTEM
• METHODE ET SYSTEME D'EXPOSITION

(71) **NIKON CORPORATION** [JP/JP]; Fuji Building, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–8331 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHIRAISHI, Kenichi** [JP/JP]; Nikon Corporation Intellectual Property Headquarters, Fuji Building, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–8331 (JP).

(74) **ONDA, Hironori**; 12–1, Ohmiya–cho 2–chome, Gifu–shi, Gifu 500–8731 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01L 21/285, H01S 3/19**

(11) **WO 99/54923** (13) A1

(21) PCT/EP99/02665

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,173 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A TITANIUM NITRIDE DIFFUSION BARRIER FOR USE IN NON–SILICON TECHNOLOGIES AND METALLIZATION METHOD
• BARRIERE DE DIFFUSION DE NITRURE DE TITANE UTILE DANS DES TECHNOLOGIES SANS SILICIUM ET PROCEDE DE METALLISATION

(71) **UNIPHASE LASER ENTERPRISE AG** [CH/CH]; Binzstrasse 17, CH–8045 Zurich (CH).

(72) **DAETWYLER, Andreas**; Am Balsberg 32, CH–8302 Kloten (CH). **DEUTSCH, Urs**; Holzbirrliweg 13, CH–8802 Kilchberg (CH). **HARDER, Christoph**; Renggerstrasse 66, CH–8038 Zurich (CH). **HEUBERGER, Wilhelm**; Reidholstrasse 26A, CH–8805 Richterswil (CH). **LATTA, Eberhard**; Pfeifenweid 12, CH–8134 Adliswil (CH). **JAKUBOWICZ, Abram**; Loosstrasse 23, CH–8803 Rueschlikon (CH). **OOSENBRUG, Albertus**; Wiewaldweg 20, CH–8135 Langnau (CH). **PATRICK, William**; Untermattstrasse 26, CH–8806 Richterswil (CH). **ROENTGEN, Peter**; Berghaldenstrasse 44, Ch–8800 Thalwil (CH). **WILLIAMS, Erica**; Alte Landstrasse 196, CH–8800 Thalwil (CH).

(74) **DIEHL, Hermann, O., Th.** et al. / etc.; Augustenstrasse 46, D–80333 Munich (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01L 21/304, 21/66, G01B 11/06**

(11) **WO 99/54924** (13) A1

(21) PCT/JP99/02073

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/110384 **21 Apr/avr 1998** JP **(21.04.1998)**

(30) 10/299311 **21 Oct/oct 1998** JP **(21.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHOD FOR MEASURING THICKNESS OF THIN FILM AND METHOD AND APPARATUS FOR MANUFACTURING THIN FILM DEVICE USING THE SAME
• DISPOSITIF ET PROCEDE PERMETTANT DE MESURER L'EPAISSEUR D'UN FILM MINCE, ET PROCEDE ET DISPOSITIF DE PRODUCTION D'UN FILM MINCE UTILISANT LES PREMIERS

(71) **HITACHI, LTD.** [JP/JP]; 6, Kanda Surugadai 4–chome, Chiyoda–ku, Tokyo 101–8010 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIROSE, Takenori** [JP/JP]; Production Engineering Research Laboratory, Hitachi, Ltd., 292, Yoshida–cho, Totsuka–ku, Yokohama–shi, Kanagawa 244–0817 (JP). **NOGUCHI, Minori** [JP/JP]; Production Engineering Research Laboratory, Hitachi, Ltd., 292, Yoshida–cho, Totsuka–ku,

Yokohama–shi, Kanagawa 244–0817 (JP). **KENBO, Yukio** [JP/JP]; Production Engineering Research Laboratory, Hitachi, Ltd., 292, Yoshida–cho, Totsuka–ku, Yokohama–shi, Kanagawa 244–0817 (JP). **MAEDA, Shunji** [JP/JP]; Production Engineering Research Laboratory, Hitachi, Ltd., 292, Yoshida–cho, Totsuka–ku, Yokohama–shi, Kanagawa 244–0817 (JP). **NINOMIYA, Takanori** [JP/JP]; Instrument Division, Hitachi, Ltd., 882, Ichige, Hitachinaka–shi, Ibaraki 312–0033 (JP). **TSUCHIYAMA, Hirofumi** [JP/JP]; Semiconductor & Integrated Circuits Division, Hitachi, Ltd., 20–1, Jyosuihonmachi 5–chome, Kodaira–shi, Tokyo 187–0022 (JP).

(74) **SAKUTA, Yasuo**; Hitachi, Ltd., 5–1, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100–8220 (JP).

(81) CN KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/311**

(11) **WO 99/54925** (13) A1

(21) PCT/US99/05264

(22) **11 Mar/mar 1999 (11.03.1999)**

(25) en (26) en

(30) 09/052,276 **30 Mar/mar 1998** US **(30.03.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SELF–ALIGNED CONTACTS FOR SEMICONDUCTOR DEVICE
• CONTACTS AUTO–ALIGNES POUR DISPOSITIF A SEMICONDUCTEUR

(71) **LAM RESEARCH CORPORATION** [US/US]; 4650 Cushing Parkway, Fremont, CA 94538 (US).

(72) **MARQUEZ, Linda, N.**; 4850 Valpey Park, Fremont, CA 94538 (US). **FLANNER, Janet, M.**; 4942 Rocklin Drive, Union City, CA 94587 (US).

(74) **NGUYEN, Joseph, A.**; Beyer & Weaver, LLP, 620 Hansen Way, Palo Alto, CA 94306 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/66, 21/3065, G01B 11/06**

(11) **WO 99/54926** (13) A1

(21) PCT/US99/07372

(22) **2 Apr/avr 1999 (02.04.1999)**

(25) en (26) en

(30) 09/062,520 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED ENDPOINT DETECTION FOR SEMICONDUCTOR PROCESSES
• DETECTION AMELIOREE DE POINT D'EXTREMITE POUR DES PROCEDES A SEMI–CONDUCTEURS

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **GRIMBERGEN, Michael, N.**; 767 Martinique Drive, Redwood City, CA 94065 (US). **LILL, Thorsten, B.**; 800 East Fremont Avenue #634, Sunnyvale, CA 94087 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/68**

(11) **WO 99/54927** (13) A1

(21) PCT/JP99/01985

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/122862 **16 Apr/avr 1998** JP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • UNPROCESSED MATERIAL STORING DEVICE AND CARRY–IN/OUT STAGE
• DISPOSITIF DE STOCKAGE DE MATERIAU NON TRAITE ET ETAGE D'ENTREE/SORTIE

(71) **TOKYO ELECTRON LIMITED** [JP/JP]; 3–6, Akasaka 5–chome, Minato–ku, Tokyo 107–8481 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **MORIYA, Syuji** [JP/JP]; 524–27, Uede, Akeno–mura, Kitakoma–gun, Yamanashi 407–0204 (JP).

(74) **SATO, Kazuo** et al. / etc.; Kyowa Patent & Law Office, Fuji Building, Room 323, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).

(81) KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/68**

(11) **WO 99/54928** (13) A1

(21) PCT/US99/07813

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/063,764 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTROSTATIC CHUCK FORMED BY INTEGRAL CERAMIC AND METAL SINTERING
• MANDRIN ELECTROSTATIQUE PRODUIT PAR FRITTAGE INTEGRAL DE CERAMIQUE ET DE METAL

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **HAUSMANN, Gilbert**; Apartment 321, 3282 St. Ignatius Place, Santa Clara, CA 95051 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/768**

(11) **WO 99/54929** (13) A2

(21) PCT/IB99/00615

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 98201241.1 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR MANUFACTURING AN ELECTRONIC DEVICE COMPRISING AN ORGANIC–CONTAINING MATERIAL
• PROCEDE DE FABRICATION D'UN DISPOSITIF ELECTRONIQUE CONTENANT UN MATERIAU AVEC DES SUBSTANCES ORGANIQUES

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **MEIJER, Petrus, M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **MANDERS, Bartholome, S.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **LIFKA, Herbert**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **DUIJVESTIJN, Adrianus, J.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/768, 21/027, 21/311**

(11) **WO 99/54930** (13) A1

(21) PCT/US99/07361

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) en (26) en

(30) 09/065,352 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEEP SUBMICRON METALLIZATION USING DEEP UV PHOTORESIST
• METALLISATION PROFONDE SUBMICROMIQUE A L'AIDE DE PHOTORESIST POUR ULTRAVIOLETS LOINTAINS

(71) **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Mail Stop 68, P.O. Box 3453, Sunnyvale, CA 94088–3453 (US).

(72) **LYONS, Christopher, F.**; 42681 Lerwick Street, Fremont, CA 94539 (US). **SINGH, Bhanwar**; 17122 Heatherwood Way, Morgan Hill, CA 95037 (US).

(74) **RODDY, Richard, J.**; One AMD Place, Mail Stop 68, P.O. Box 3453, Sunnyvale, CA 94088–3453 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 21/8247, 27/115, 21/768**

(11) **WO 99/54931** (13) A1

(21) PCT/US99/03043

(22) **11 Feb/fév 1999 (11.02.1999)**

(25) en (26) en

(30) 09/061,515 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELIMINATION OF POLY CAP FOR EASY POLY1 CONTACT FOR NAND FLOATING GATE MEMORY
• ELIMINATION DE LA COUCHE D'ENCAPSULATION POLY, PERMETTANT UN CONTACT POLY1 FACILE POUR MEMOIRE A GRILLE FLOTTANTE NONET

(71) **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Mail Stop 68, Sunnyvale, CA 94088–3453 (US). **FUJITSU LIMITED** [JP/JP]; 1–1, Kamikodanaka 4–chome, Nakahara–ku, Kawasaki–shi, Kanagawa 211–8488 (JP).

(72) **WANG, John, Jianshi**; 1131 Arlington Lane, San Jose, CA 95129 (US). **FANG, Hao**; 7719 Carriage Circle, Cupertino, CA 95014 (US). **HIGASHITANI, Masaaki**; 1035 Aster Avenue #2119, Sunnyvale, CA 94086 (US).

(74) **PITRUZZELLA, Vincenzo, D.**; Advanced Micro Devices, Inc., One AMD Place, Mail Stop 68, Sunnyvale, CA 94088–3453 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 23/34, 23/28**

(11) **WO 99/54932** (13) A1

(21) PCT/US99/03952

(22) **24 Feb/fév 1999 (24.02.1999)**

(25) en (26) en

(30) 09/063,817 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LEADLESS ARRAY PACKAGE
• BOITIER SANS CONDUCTEUR, A BARRETTES

(71) **ATMEL CORPORATION** [US/US]; 2325 Orchard Parkway, San Jose, CA 95131 (US).

(72) **KOVATS, Julius, A.**; 368 Pilot Knob Avenue, Manitou Springs, CO 80829 (US). **SUCIU, Paul, I.**; 16995 Bohlman Road, Saratoga, CA 95070 (US).

(74) **SCHNECK, Thomas**; Law Offices of Thomas Schneck, P.O. Box 2–E, San Jose, CA 95109–0005 (US).

(81) CA CN JP KR NO SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 23/48, 23/04, 23/495, 23/29**

(11) **WO 99/54933** (13) A1

(21) PCT/US99/08340

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,270 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SEMICONDUCTOR NON–LAMINATE PACKAGE AND METHOD
• BOITIER SEMI–CONDUCTEUR NON STRATIFIE ET PROCEDE CORRESPONDANT

(71) **HESTIA TECHNOLOGIES, INC.** [US/US]; 3500–B Thomas Road, Santa Clara, CA 95054–2049 (US).

(72) **WEBER, Patrick, O.**; 3612 Cuen Court, San Jose, CA 95136 (US).

(74) **KREBS, Robert, E.**; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313–1404 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 23/48, 23/52, 29/40, 29/00**

(11) **WO 99/54934** (13) A1

(21) PCT/US99/08475

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,431 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/187,297 **5 Nov/nov 1998** US **(05.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ULTRA HIGH–SPEED CHIP INTERCONNECT USING FREE–SPACE DIELECTRICS
• STRUCTURE D'INTERCONNEXION DE PUCE EXTREMEMENT RAPIDE METTANT EN APPLICATION DES DIELECTRIQUES A ESPACE LIBRE

(71) **CVC PRODUCTS, INC.** [US/US]; 525 Lee Road, Rochester, NY 14606 (US).

(72) **MOSLEHI, Mehrdad**; 956 Stanley Avenue, Los Altos, CA 94024 (US).

(74) **SPRINKLE, Steven, R.**; Gray Cary Ware & Freidenrich LLP, Suite 1440, 100 Congress Avenue, Austin, TX 78701 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 25/00, 23/12, 23/36, H04B 1/04**

(11) **WO 99/54935** (13) A1

(21) PCT/JP98/01744

(22) **16 Apr/avr 1998 (16.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PORTABLE COMMUNICATION EQUIPMENT
• DISPOSITIF PORTABLE DE TELECOMMUNICATIONS

(71) **HITACHI, LTD.** [JP/JP]; 6, Kanda Surugadai 4–chome, Chiyoda–ku, Tokyo 101–8010 (JP). **HITACHI TOHBU SEMICONDUCTOR, LTD.** [JP/JP]; 15, Oaza–Asahidai, Moroyama–machi, Iruma–gun, Saitama 350–0444 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIRASHIMA, Toshinori** [JP/JP]; Semiconductor & Integrated Circuits Division, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **ENDO, Tsuneo** [JP/JP]; Semiconductor & Integrated Circuits Division, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **MORIKAWA, Masatoshi** [JP/JP]; Semiconductor & Integrated Circuits Division, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **HIBINO, Mitsuaki** [JP/JP]; Semiconductor & Integrated Circuits Division, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **YAMADA, Tomio** [JP/JP]; Semiconductor & Integrated Circuits Division, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **KIKUCHI, Sakae** [JP/JP]; Semiconductor & Integrated Circuits Division, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **MORIYAMA, Shinji** [JP/JP]; Hitachi Tohbu Semiconductor, Ltd., 15, Oaza–Asahidai, Moroyama–machi, Iruma–gun, Saitama 350–0444 (JP).

(74) **AKITA, Shuki**; Fujii Building, Room 201, 53–3, Nishi–Nippori 6–chome, Arakawa–ku, Tokyo 116–0013 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **H01L 27/00, 51/20**

(11) **WO 99/54936** (13) A1

(21) PCT/GB99/01176

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9808061.7 **16 Apr/avr 1998** GB **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLYMER DEVICES
• DISPOSITIFS POLYMERES

(71) **CAMBRIDGE DISPLAY TECHNOLOGY LTD.** [GB/GB]; 181a Huntingdon Road, Cambridge CB3 0DJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRIEND, Richard, Henry** [GB/GB]; 37 Barton Road, Cambridge CB3 9LG (GB). **SIRRINGHAUS, Henning** [DE/GB]; 33 Beaulands Close, Cambridge CB4 1JA (GB). **TESSLER, Nir** [IL/GB]; 6 Teversham Way, Sawston, Cambridge CB2 4DF (GB).

(74) **SLINGSBY, Philip, Roy** et al. / etc.; Page White & Farrer, 54 Doughty Street, London WC1N 2LS (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01L 27/04**

(11) **WO 99/54937** (13) A1

(21) PCT/JP99/00586

(22) **10 Feb/fév 1999 (10.02.1999)**

(25) ja (26) ja

(30) 10/113142 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF DESIGNING POWER SUPPLY CIRCUIT AND SEMICONDUCTOR CHIP
• PROCEDE DE CONCEPTION D'UN CIRCUIT D'ALIMENTATION ET D'UNE MICROPLAQUETTE DE SEMI–CONDUCTEUR

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMAMOTO, Akira** [JP/JP]; 1–44–9–C406, Tsunoe–cho, Takatsuki–shi, Osaka 569–0822 (JP). **SAKIYAMA, Shirou** [JP/JP]; 20–20–101, Kaminoguchi–cho, Kadoma–shi, Osaka 571–0070 (JP). **NAKAHIRA, Hiroyuki** [JP/JP]; 6–3–304, Myokenzaka, Katano–shi, Osaka 576–0021 (JP). **KINOSHITA, Masayoshi** [JP/JP]; 7–4–2, Korigaoka, Hirakata–shi, Osaka 573–0084 (JP). **SATOMI, Katsuji** [JP/JP]; 3–5–5–405, Akutagawa–cho, Takatsuki–shi, Osaka 569–1123 (JP). **KAJIWARA, Jun** [JP/JP]; 138–8–A104, Hazukashishimizu–cho, Fushimi–ku, Kyoto–shi, Kyoto 612–8485 (JP). **YAMAMOTO, Shinichi** [JP/JP]; 1–8–49, Soya, Hirakata–shi, Osaka 573–0113 (JP).

(74) **YAMAMOTO, Shusaku**; Crystal Tower, 15th floor, 2–27, Shiromi 1–chome, Chuo–ku, Osaka–shi, Osaka 540–6015 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01L 27/146**

(11) **WO 99/54938** (13) A1

(21) PCT/US99/07535

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 09/064,234 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CMOS IMAGE SENSOR EMPLOYING A SILICIDE EXCLUSION MASK
• CAPTEUR D'IMAGE CMOS COMPRENANT UN MASQUE D'EXCLUSION AU SILICIURE

(71) **FOVEONICS, INC.** [US/US]; 3565 Monroe Street, Santa Clara, CA 95051 (US).

(72) **MERRILL, Richard, B.**; 890 Patrol Road, Woodside, CA 94062 (US).

(74) **D'ALESSANDRO, Kenneth**; Sierra Patent Group, Ltd., P.O. Box 6149, Stateline, NV 89449 (US).

(81) KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 29/732, 29/737, 21/331**

(11) **WO 99/54939** (13) A1

(21) PCT/FR99/00867

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) fr (26) fr

(30) 98/05019 **22 Apr/avr 1998** FR **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VERTICAL BIPOLAR TRANSISTOR, IN PARTICULAR WITH SiGe BASE HETEROJUNCTION AND METHOD FOR MAKING SAME
• TRANSISTOR BIPOLAIRE VERTICAL, EN PARTICULIER A BASE A HETEROJONCTION SiGe, ET PROCEDE DE FABRICATION

(71) **FRANCE TELECOM** [FR/FR]; 6, place d'Alleray, F–75015 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHANTRE, Alain** [FR/FR]; 32, rue des Primevères, F–38180 Seyssins (FR).

(74) **BUREAU D.A. CASALONGA JOSSE**; 8, avenue Percier, F–75008 Paris (FR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 29/74**

(11) **WO 99/54940** (13) A1

(21) PCT/JP99/01989

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) ja (26) ja

(30) 10/104348 **15 Apr/avr 1998** JP **(15.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITE SEMICONDUCTOR DEVICE
• DISPOSITIF SEMICONDUCTEUR COMPOSITE

(71) **HITACHI, LTD.** [JP/JP]; 6, Kanda Surugadai 4–chome, Chiyoda–ku, Tokyo 101–8010 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SAKANO, Junichi** [JP/JP]; Hitachi Research Laboratory of Hitachi, Ltd., 1–1, Omika–cho 7–chome, Hitachi–shi, Ibaraki 319–1221 (JP). **KOBAYASHI, Hideo** [JP/JP]; Hitachi Research Laboratory of Hitachi, Ltd., 1–1, Omika–cho 7–chome, Hitachi–shi, Ibaraki 319–1221 (JP). **MORI, Mutsuhiro** [JP/JP]; Hitachi Research Laboratory of Hitachi, Ltd., 1–1, Omika–cho 7–chome, Hitachi–shi, Ibaraki 319–1221 (JP).

(74) **TAKADA, Yukihiko** et al. / etc.; 1–48, Saiwai–cho 2–chome, Hitachi–shi, Ibaraki 317–0073 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 35/34, 35/16**

(11) **WO 99/54941** (13) A1

(21) PCT/JP99/02162

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) ja (26) ja

(30) 10/128107 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF MANUFACTURING SINTERED BODY FOR THERMOELECTRIC CONVERSION ELEMENT, SINTERED BODY FOR THERMOELECTRIC CONVERSION ELEMENT

AND THERMOELECTRIC CONVERSION ELEMENT USING IT

• PROCEDE DE FABRICATION DE CORPS FRITTE POUR ELEMENT DE CONVERSION THERMOELECTRIQUE, CORPS FRITTE POUR ELEMENT DE CONVERSION THERMOELECTRIQUE ET ELEMENT DE CONVERSION THERMOELECTRIQUE UTILISANT CE CORPS FRITTE

(71) **TOYO KOHAN CO., LTD.** [JP/JP]; 4–3, Kasumigaseki 1–chome, Chiyoda–ku, Tokyo 100–8911 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKANO, Kazunori** [JP/JP]; Toyo Kohan Co., Ltd., Technical Research Laboratory, 1296–1, Higashitoyoi, Kudamatsu–shi, Yamaguchi–ken 744–8611 (JP). **TASHIRO, Hirofumi** [JP/JP]; Toyo Kohan Co., Ltd., Technical Research Laboratory, 1296–1, Higashitoyoi, Kudamatsu–shi, Yamaguchi–ken 744–8611 (JP). **YONETSU, Mari** [JP/JP]; Toyo Kohan Co., Ltd., Technical Research Laboratory, 1296–1, Higashitoyoi, Kudamatsu–shi, Yamaguchi–ken 744–8611 (JP).

(74) **OHTA, Akio**; Toyo Kohan Co., Ltd., 4–3, Kasumigaseki 1–chome, Chiyoda–ku, Tokyo 100–8911 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01L 39/24**

(11) **WO 99/54942** (13) A1

(21) PCT/EP99/02784

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) de (26) de

(30) 198 17 390.3 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR PRODUCING BAND–SHAPED HIGH TEMPERATURE SUPRACONDUCTORS

• PROCEDE DE PRODUCTION DE SUPRACONDUCTEURS A HAUTE TEMPERATURE SOUS FORME DE BANDE

(71) **INSTITUT FÜR FESTKÖRPER– UND WERKSTOFFORSCHUNG DRESDEN E.V.** [DE/DE]; Helmholtzstrasse 20, D–01069 Dresden (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOLZAPFEL, Bernhard** [DE/DE]; Kirchweg 23 A, D–01731 Kreischa (DE). **BEETZ, Volker** [DE/DE]; Bösmannstrasse 8, D–72762 Reutlingen (DE).

(74) **RAUSCHENBACH, Dieter**; Institut für Festkörper– und Werkstofforschung Dresden, Postfach 27 00 16, D–01171 Dresden (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01L 51/20**

(11) **WO 99/54943** (13) A1

(21) PCT/US99/06291

(22) **25 Mar/mar 1999 (25.03.1999)**

(25) en (26) en

(30) 09/063,617 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ORGANIC ELECTROLUMINESCENT DEVICES WITH IMPROVED STABILITY IN AIR

• DISPOSITIFS ELECTROLUMINESCENTS ORGANIQUES A STABILITE AMELIOREE DANS L'AIR

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).

(72) **BERNIUS, Mark, T.**; 401 Mayfield Lane, Midland, MI 48640 (US). **WOO, Edmund, P.**; 300 Mayfield Lane, Midland, MI 48640 (US). **WUJKOWSKI, Lisa, L.**; 4330 Midland Road, Saginaw, MI 48603–9666 (US).

(74) **STEVENS, Timothy, S.**; Patent Dept., P.O. Box 1967, Midland, MI 48641–1967 (US).

(81) CA CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01M 2/00, 10/52**

(11) **WO 99/54944** (13) A1

(21) PCT/EP99/01928

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) de (26) de

(30) 98107146.7 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RECOMBINATION DEVICE FOR CATALYTIC RECOMBINATION OF HYDROGEN AND OXYGEN ARISING IN ACCUMULATORS TO FORM WATER

• DISPOSITIF POUR LA RECOMBINAISON CATALYTIQUE EN EAU D'HYDROGENE ET D'OXYGENE PRODUITS DANS DES ACCUMULATEURS

(71) **ACCUMULATORENWERKE HOPPECKE CARL ZOELLNER & SOHN GMBH & CO. KG** [DE/DE]; Bontkirchener Strasse 2, D–59929 Brilon (DE).

(72) **KESPER, Heinrich**; Am Iberg 3, D–34508 Willingen (DE). **LAHME, Norbert**; Dominitstrasse 21, D–59929 Brilon (DE). **VIELHABER, Ute**; Zur Hammecke 20, D–59909 Bestwig (DE).

(74) **STENGER, WATZKE & RING**; Kaiser–Friedrich–Ring 70, D–40547 Düsseldorf (DE).

(81) AE CN JP PL RU.

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(51)[6] **H01M 4/80, 4/66, B22F 5/00, 7/08**

(11) **WO 99/54945** (13) A1

(21) PCT/JP99/02092

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/123906 **20 Apr/avr 1998** JP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SECONDARY BATTERY ELECTRODE SUBSTRATE CORE, SECONDARY BATTERY ELECTRODE SUBSTRATE, METHODS OF MANUFACTURING THEM AND ELECTRODE AND BATTERY USING THEM

• NOYAU DE SUBSTRAT D'ELECTRODE DE BATTERIE SECONDAIRE, SUBSTRAT D'ELECTRODE DE BATTERIE SECONDAIRE, PROCEDES DE FABRICATION DE CES DERNIERS, ELECTRODE ET BATTERIE COMPRENANT CES DERNIERS

(71) **TOYO KOHAN CO., LTD.** [JP/JP]; 4–3, Kasumigaseki 1–chome, Chiyoda–ku, Tokyo 100–8911 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OHMURA, Hitoshi** [JP/JP]; Toyo Kohan Co., Ltd., Kudamatsu Plant, 1302, Higashitoyoi, Kudamatsu–shi, Yamaguchi–ken 744–8611 (JP). **TOMOMORI, Tatsuo** [JP/JP]; Toyo Kohan Co., Ltd., Kudamatsu Plant, 1302, Higashitoyoi, Kudamatsu–shi, Yamaguchi–ken 744–8611 (JP). **OHMURA, Hideo** [JP/JP]; Toyo Kohan Co., Ltd., Kudamatsu Plant, 1302, Higashitoyoi, Kudamatsu–shi, Yamaguchi–ken 744–8611 (JP).

(74) **OHTA, Akio**; Toyo Kohan Co., Ltd., 4–3, Kasumigaseki 1–chome, Chiyoda–ku, Tokyo 100–8911 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01M 4/86, 8/02, 8/12**

(11) **WO 99/54946** (13) A1

(21) PCT/JP99/02048

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/126738 **21 Apr/avr 1998 (21.04.1998)** JP

(30) 10/145040 **11 May/mai 1998 (11.05.1998)** JP

(30) 10/146579 **12 May/mai 1998 (12.05.1998)** JP

(30) 10/155292 **20 May/mai 1998 (20.05.1998)** JP

(30) 10/164316 **28 May/mai 1998 (28.05.1998)** JP

(30) 10/165945 **29 May/mai 1998 (29.05.1998)** JP

(30) 10/165946 **29 May/mai 1998 (29.05.1998)** JP

(30) 10/170684 **3 Jun/juin 1998 (03.06.1998)** JP

(30) 10/181413 **12 Jun/juin 1998 (12.06.1998)** JP

(30) 10/185675 **16 Jun/juin 1998 (16.06.1998)** JP

(30) 10/196609 **26 Jun/juin 1998 (26.06.1998)** JP

(30) 10/211821 **10 Jul/juil 1998 (10.07.1998)** JP

(30) 10/213541 **13 Jul/juil 1998 (13.07.1998)** JP

(30) 10/219711 **17 Jul/juil 1998 (17.07.1998)** JP

(30) 10/231189 **3 Aug/août 1998 (03.08.1998)** JP

(30) 10/233636 **5 Aug/août 1998 (05.08.1998)** JP

(30) 10/236482 **7 Aug/août 1998 (07.08.1998)** JP

(30) 11/39133 **17 Feb/fév 1999 (17.02.1999)** JP

(30) 11/55503 **3 Mar/mar 1999 (03.03.1999)** JP

(30) 11/80457 **24 Mar/mar 1999 (24.03.1999)** JP

(30) 11/99356 **6 Apr/avr 1999 (06.04.1999)** JP

(30) 11/101441 **8 Apr/avr 1999 (08.04.1999)** JP

(30) 11/101442 **8 Apr/avr 1999 (08.04.1999)** JP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SOLID ELECTROLYTE FUEL CELL AND METHOD OF PRODUCING THE SAME
• PILE A ELECTROLYTE SOLIDE ET SON PROCEDE DE PRODUCTION

(71) **TOTO LTD.** [JP/JP]; Intellectual Property Division, 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu City, Fukuoka 802–8601 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AIZAWA, Masanobu** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu City, Fukuoka 802–8601 (JP). **UENO, Akira** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu City, Fukuoka 802–8601 (JP). **OMOSHIKI, Koji** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu City, Fukuoka 802–8601 (JP). **NISHIYAMA, Haruo** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokorakita–ku, Kitakyushu City, Fukuoka 802–8601 (JP). **HIWATASHI, Ken–ichi** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokurakita–ku, Kitakyushu City, Fukuoka 802–8601 (JP).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01M 8/00**

(11) **WO 99/54947** (13) A2

(21) PCT/US99/07830

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/058,067 **9 Apr/avr 1998 (09.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FUEL CELL TUBES AND METHOD OF MAKING SAME
• TUBES POUR PILES A COMBUSTIBLE ET PROCEDE DE FABRICATION DESDITS TUBES

(71) **SIEMENS WESTINGHOUSE POWER CORPORATION** [US/US]; 4400 Alafaya Trail, MC 301, Orlando, FL 32826–2399 (US).

(72) **BORGLUM, Brian, P.**; 415 Locust Street, Edgewood, PA 15218 (US).

(74) **TOWNER, Alan, G.**; Eckert Seamans Cherin & Mellott, LLC, 44th floor, 600 Grant Street, Pittsburgh, PA 15219 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01M 8/06, C01B 3/50**

(11) **WO 99/54948** (13) A1

(21) PCT/DE99/00926

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) de (26) de

(30) 198 17 534.5 **16 Apr/avr 1998 (16.04.1998)** DE

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR REMOVING CARBON MONOXIDE FROM A REFORMATE GAS STREAM CONTAINING HYDROGEN
• PROCEDE ET INSTALLATION POUR L'ELIMINATION DU MONOXYDE DE CARBONE DANS UN COURANT GAZEUX DE REFORMAT A TENEUR EN HYDROGENE

(71) **MANNESMANN AG** [DE/DE]; Mannesmannufer 2, D–40213 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NOWAK, Wolfgang** [DE/DE]; Paffendorfstrasse 65, D–51107 Köln (DE). **BRACKER, Gerd–Peter** [DE/DE]; Dahlienweg 14, D–45525 Hattingen (DE).

(74) **MEISSNER, Peter, E.**; Patentanwaltsbüro Meissner & Meissner, Hohenzollerndamm 89, D–14199 Berlin (DE).

(81) CA JP RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01M 8/12, 4/86, B28B 11/00**

(11) **WO 99/54949** (13) A2

(21) PCT/US99/07806

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/058,069 **9 Apr/avr 1998 (09.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF MAKING CLOSED END CERAMIC FUEL CELL TUBES
• PROCEDE DE FABRICATION DE TUBES EN CERAMIQUE A EXTREMITE FERMEE POUR PILES A COMBUSTIBLE

(71) **SIEMENS WESTINGHOUSE POWER CORPORATION** [US/US]; 4400 Alafaya Trail, MC 301, Orlando, FL 32826–2399 (US).

(72) **BORGLUM, Brian, P.**; 415 Locust Street, Edgewood, PA 15218 (US).

(74) **TOWNER, Alan, G.**; Eckert Seamans Cherin & Mellott, LLC, 44th floor, 600 Grant Street, Pittsburgh, PA 15219 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01M 8/22, 8/06, 8/12, C25B 1/00, C01B 17/04**

(11) **WO 99/54950** (13) A1

(21) PCT/CA99/00332

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,109 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTROCHEMICAL OXIDATION OF HYDROGEN SULFIDE
• OXYDATION ELECTROCHIMIQUE DE SULFURE D'HYDROGENE

(71) **HER MAJESTY IN RIGHT OF CANADA, represented by THE MINISTER OF NATURAL RESOURCES CANADA** [CA/CA]; 580 Booth Street, Ottawa, Ontario K1A 0E4 (CA).

(72) **DONINI, John, c.** (deceased / décédé).**CHUANG, Karl, T.**; 8742 117 Street, Edmonton, Alberta T6G 1R5 (CA). **SLAVOV, Stefan, V.**; 526, 1121–82 Avenue, Edmonton, Alberta T6G 0T4 (CA). **SANGER, Alan, R.**; 2833 123 Street, Edmonton, Alberta T6J 6A6 (CA). **STANIC, Vesna**; 11143–50th Avenue, N.W., Edmonton, Alberta T6H 0J1 (CA).

(74) **EADES, Norris, M.** et al. / etc.; Kirby, Eades, Gale, Baker, Station D, Box 3432, Ottawa, Ontario K1P 6N9 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01M 8/24**

(11) **WO 99/54951** (13) A1

(21) PCT/US99/07807

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/062,208 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FUEL DELIVERY SYSTEM FOR FUEL CELL STACKS
• SYSTEME DE DISTRIBUTION DE COMBUSTIBLE DANS UN EMPILEMENT DE PILES A COMBUSTIBLE

(71) **SIEMENS WESTINGHOUSE POWER CORPORATION** [US/US]; 4400 Alafaya Trail, MC 301, Orlando, FL 32826–2399 (US).

(72) **BESSETTE, Norman, Frederic, II**; 991 Castleview Drive, North Huntingdon, PA 15642 (US). **DEDERER, Jeffrey, Todd**; 132 Deerspring Lane, Valencia, PA 16059 (US). **GEORGE, Raymond, Anthony**; 5550 Darlington Road, Pittsburgh, PA 15217 (US).

(74) **TOWNER, Alan, G.**; Eckert Seamans Cherin & Mellott, LLC, 44th floor, 600 Grant Street, Pittsburgh, PA 15219 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **H01M 10/04, 10/42, B60R 16/02, H02J 7/14**

(11) **WO 99/54952** (13) A1

(21) PCT/DE99/00410

(22) **15 Feb/fév 1999 (15.02.1999)**

(25) de (26) de

(30) 198 16 833.0 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE FOR SUPPLYING POWER IN A MOTOR VEHICLE
• DISPOSITIF D'ALIMENTATION EN COURANT DANS UN VEHICULE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAU, Martin** [DE/DE]; Drosselweg 2, D–71739 Oberriexingen (DE).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01M 10/40, 2/16**

(11) **WO 99/54953** (13) A1

(21) PCT/CA99/00276

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 60/082,341 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 09/104,277 **25 Jun/juin 1998** US **(25.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMPOSITE POLYMER ELECTROLYTE FOR A RECHARGEABLE LITHIUM BATTERY
• ELECTROLYTE POLYMERE COMPOSITE POUR PILE AU LITHIUM RECHARGEABLE

(71, 72) **DASGUPTA, Sankar** [IN/CA]; The Electrofuel Manufacturing Company Ltd., 21 Hanna Avenue, Toronto, Ontario M6K 1W9 (CA). **JACOBS, James, K.** [CA/CA]; 69 Albany Avenue, Toronto, Ontario M5R 3C2 (CA).

(81) AU BR CA CN IN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01Q**

(11) **WO 99/54954** (13) A2

(21) PCT/DE99/01177

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 26 307.4 **15 Apr/avr 1998** DE **(15.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CD4 RADIO–IMMUNOLOGICAL PHARMACEUTICALS FOR THE TREATMENT OF HIV INFECTIONS
• SUBSTANCES PHARMACEUTIQUES RADIO–IMMUNOLOGIQUES A BASE DE CD4 DESTINEES AU TRAITEMENT DE L'INFECTION PAR LE VIH

(71, 72) **BERGTER, Wolfgang** [DE/DE]; Posthof 2, App. 17, D–37081 Göttingen (DE). **BERGTER, Ingrid, Corinna** [DE/DE]; Posthof 2, App. 17, D–37081 Göttingen (DE).

(74) **DEHMEL & BETTENHAUSEN**; Müllerstrasse 1, D–80469 München (DE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01Q**

(11) **WO 99/54955** (13) A2

(21) PCT/DE99/01188

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 766.6 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CENTRALLY FED ANTENNA SYSTEM AND METHOD FOR OPTIMIZING SUCH AN ANTENNA SYSTEM
• SYSTEME D'ANTENNE A ALIMENTATION CENTRALE ET PROCEDE D'OPTIMISATION D'UN TEL SYSTEME D'ANTENNE

(71) **DAIMLERCHRYSLER AG** [DE/DE]; Epplestrasse 227, D–70567 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUCHESNE, Luc** [FR/DE]; Eduard–Moser–Strasse 5, D–83624 Otterfing (DE). **WOLF, Helmut** [DE/DE];

Georg–Queri–Strasse 10, D–83607 Holzkirchen (DE). **NATHRATH, Norbert** [DE/DE]; Dorfstrasse 47, D–82024 Taufkirchen (DE).

(81) CA CN IN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01Q**

(11) **WO 99/54956** (13) A2

(21) PCT/SE99/00636

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9801381–6 **20 Apr/avr 1998** SE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • GROUND EXTENSION ARRANGEMENT FOR COUPLING TO GROUND MEANS IN AN ANTENNA SYSTEM, AND AN ANTENNA SYSTEM AND A MOBILE RADIO DEVICE HAVING SUCH GROUND ARRANGEMENT
• DISPOSITIF EXTENSIBLE DE MISE A LA TERRE DANS UN SYSTEME D'ANTENNE, SYSTEME D'ANTENNE ET APPAREIL MOBILE DE RADIOCOMMUNICATION COMPORTANT CE DISPOSITIF DE MISE A LA TERRE

(71) **ALLGON AB** [SE/SE]; P.O. Box 500, S–184 25 Åkersberga (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KURZ, Hans, Peter** [DE/SE]; Bromsvägen 34, S–184 38 Åkersberga (SE). **JOHNSON, Howard, William** [US/US]; 4150 Clovercroft Road, Franklin, TN 37067 (US).

(74) **AXEL EHRNERS PATENTBYRÅ AB**; Gumshornsgatan 7, P.O. Box 103 16, S–100 55 Stockholm (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01Q**

(11) **WO 99/54957** (13) A2

(21) PCT/SE99/00642

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) sv (26) en

(30) 9801439–2 **23 Apr/avr 1998** SE **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR EVALUATION OF A DIRECTION TO A MOBILE UNIT IN A CELLULAR RADIO NET
• SYSTEME ET PROCEDE D'EVALUATION D'UNE ORIENTATION PAR RAPPORT A UNE UNITE MOBILE DANS UN RESEAU RADIO CELLULAIRE

(71) **UNWIRE AB** [SE/SE]; P.O. Box 1449, S–171 28 Solna (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SICKING, Magnus** [SE/SE]; Travarvägen 44, S–175 30 Järfälla (SE).

(74) **SUNDSTRÖM, Per** et al. / etc.; Stenhagen Patentbyrå AB, P.O. Box 4630, S–116 91 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01Q 1/24, 15/24, 5/00, 19/17**

(11) **WO 99/54958** (13) A1

(21) PCT/FR99/00918

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) fr (26) fr

(30) 98/04927 **20 Apr/avr 1998** FR **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FREQUENCY CONVERTER ARRANGEMENT FOR PARABOLIC ANTENNAE
• AGENCEMENT DE CONVERTISSEUR DE FREQUENCES POUR ANTENNES PARABOLIQUES

(71) **ORGANISATION EUROPEENNE DE TELECOMMUNICATIONS PAR SATELLITE EUTELSAT** [FR/FR]; 70, rue Balard, F–75015 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LOTFY, Kamal** [FR/FR]; 205, avenue de Versailles, F–75016 Paris (FR).

(74) **CABINET MADEUF**; 56 A, rue du Faubourg Saint Honoré, F–75008 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01Q 1/24**

(11) **WO 99/54959** (13) A1

(21) PCT/SE99/00600

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 9801321–2 **16 Apr/avr 1998** SE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTENNA MEANS AND A HANDHELD RADIO COMMUNICATION DEVICE INCLUDING SUCH MEANS
• ANTENNE ET DISPOSITIF DE RADIOCOMMUNICATION PORTATIF COMPRENANT CETTE ANTENNE

(71) **ALLGON AB** [SE/SE]; P.O. Box 500, S–184 25 ÅKERSBERGA (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAANANEN, Jari** [SE/SE]; Lovisedalsstigen 9, S–184 91 ÅKERSBERGA (SE).

(74) **AXEL EHRNERS PATENTBYRÅ AB**; P.O. Box 103 16, Gumshornsgatan 7, S–100 55 Stockholm (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01Q 3/00**

(11) **WO 99/54960** (13) A2

(21) PCT/US99/05502

(22) **12 Mar/mar 1999 (12.03.1999)**

(25) en (26) en

(30) 09/042,473 **16 Mar/mar 1998** US **(16.03.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PHASED ARRAY ANTENNA CALIBRATION SYSTEM AND METHOD USING ARRAY CLUSTERS
• PROCEDE ET SYSTEME D'ETALONNAGE D'ANTENNE RESEAU A COMMANDE DE PHASE UTILISANT DES GRAPPES DE RESEAUX

(71) **RAYTHEON COMPANY** [US/US]; 141 Spring Street, Lexington, MA 02173 (US).

(72) **SIKINA, Thomas, V.**; 95 Main Street, Acton, MA 01720 (US). **BEDIGIAN, Oscar, J.**; 40 Laurel Drive, Hudson, MA 01749 (US). **SCHUSS, Jack, J.**; 8 Cedar Street, Newton, MA 02159 (US).

(74) **SHARKANSKY, Richard, M.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01Q 15/00, B60J 1/00, B32B 17/10, C03C 17/00**

(11) **WO 99/54961** (13) A1

(21) PCT/FR99/00928

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) fr (26) fr

(30) 198 17 712.7 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSPARENT PLATE, IN PARTICULAR PARTITION GLASS PROVIDED WITH A COATING REFLECTING RADIATION AND A WINDOW PERMEABLE TO HIGH FREQUENCY RADIATION
• PLAQUE TRANSPARENTE, EN PARTICULIER UN VITRAGE POURVU D'UN REVETEMENT REFLECHISSANT LES RAYONNEMENTS ET D'UNE FENETRE PERMEABLE AUX RAYONNEMENTS A HAUTE FREQUENCE

(71) **SAINT–GOBAIN VITRAGE** [FR/FR]; 18, avenue d'Alsace, F–92400 Courbevoie (FR). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MAEUSER, Helmut** [NL/NL]; Reenstraat, 6, NL–6369 SJ Simpelveld (NL). **IMMERSCHITT, Stefan** [DE/DE]; Hundforter Benden 22, D–52134 Herzogenrath (DE).

(74) **LE CAM, Stéphane**; Saint–Gobain Recherche, 39, quai Lucien Lefranc, F–93300 Aubervilliers (FR).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01R 4/22, 4/72**

(11) **WO 99/54962** (13) A1

(21) PCT/US99/08458

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/063,935 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DEVICE AND METHOD FOR PROTECTING AND SEALING EXPOSED WIRES
• DISPOSITIF ET PROCEDE SERVANT A PROTEGER DES FILS NUS ET A LES RENDRE ETANCHES

(71) **RAYCHEM CORPORATION** [US/US]; 300 Constitution Drive, M.S. 120/1A, Menlo Park, CA 94025–1164 (US).

(72) **BIDDELL, William**; 3397 Pinewood Court, Hayward, CA 94542 (US). **CHANDLER, Daniel, A.**; 255 Hedge Road, Menlo Park, CA 94025 (US). **HANSEN, Erling**; 3428 Middlefield Road, Palo Alto, CA 94300 (US).

(74) **GERSTNER, Marguerite, E.** et al. / etc.; Raychem Corporation, Intellectual Property Law Dept., 300 Constitution Drive, M.S. 120/1A, Menlo Park, CA 94025–1164 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01R 4/66**

(11) **WO 99/54963** (13) A1

(21) PCT/US99/04896

(22) **4 Mar/mar 1999 (04.03.1999)**

(25) en (26) en

(30) 09/061,807 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A HIGH SPEED BUS CONTACT SYSTEM
• SYSTEME DE CONTACT A BUS A HAUTE VITESSE

(71) **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HART, Frank, P.** [US/US]; 13450 S.W. Tulip Court, Beaverton, OR 97008 (US). **NAGARAJ, Raviprakash** [IN/US]; 125 N.E. Cory Street, Hillsboro, OR 97124 (US). **TURNER, Leonard, O.** [US/US]; 101 S.E. 175th Avenue, Vancouver, WA 98684 (US). **SPURRELL, Arthur, L.** [US/US]; 10320 S.W. Paulina Drive, Tualatin, OR 97062 (US).

(74) **TAYLOR, Edwin, H.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01R 13/53**

(11) **WO 99/54964** (13) A1

(21) PCT/US99/08859

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/065,222 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SAFE–OPERATING LOAD REDUCING TAP PLUG AND METHOD FOR USING THE SAME
• PRISE DE DERIVATION PROTEGEE, REDUCTRICE DE CHARGE, ET PROCEDE D'UTILISATION CORRESPONDANT

(71) **HUBBELL INCORPORATED** [US/US]; 584 Derby Milford Road, P.O. Box 549, Orange, CT 06477–4024 (US).

(72) **SCULL, Douglas**; 209 Shadowood Drive, Johnson City, TN 37604 (US). **TINTLE, Robert**; 197 Richline Hill, Stewartsville, NJ 08886 (US).

(74) **BICKS, Mark** et al. / etc.; Suite 315, 1225 Connecticut Avenue, N.W., Washington, DC 20036 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01R 13/66, H01T 1/14, 4/06**

(11) **WO 99/54965** (13) A1

(21) PCT/EP99/02526

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 16 907.8 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROTECTIVE CONNECTOR FOR A TELECOMMUNICATIONS DEVICE
• CONNECTEUR DE PROTECTION POUR DISPOSITIF UTILISE DANS LA TECHNIQUE DES TELECOMMUNICATIONS

(71) **QUANTE AG** [DE/DE]; Uellendahler Strasse 353, D–42109 Wuppertal 1 (DE).

(72) **BURMEISTER, Klaus–Dieter**; Eibenweg 35, D–42111 Wuppertal (DE). **HAJOK, Johann, Georg**; Hattinger Strasse 395, D–44795 Bochum (DE).

(74) **FÜCHSLE, Klaus** et al. / etc.; Hoffmann . Eitle, Arabellastrasse 4, D–81925 München (DE).

(81) AU BR PL RO RU ZA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01R 13/66, 23/02**

(11) **WO 99/54966** (13) A1

(21) PCT/US99/08733

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,466 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SIMPLIFIED MICROELECTRONIC CONNECTOR AND METHOD OF MANUFACTURING
• MODELE SIMPLIFIE DE CONNECTEUR MICRO–ELECTRONIQUE ET MODE DE FABRICATION

(71) **PULSE ENGINEERING, INC.** [US/US]; 12220 World Trade Drive, San Diego, CA 92128 (US).

(72) **SHUTTER, Ronald, A.**; 2218 Village Center Drive, Encinitas, CA 92024 (US).

(74) **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson & Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01R 23/02**

(11) **WO 99/54967** (13) A1

(21) PCT/US99/08624

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,502 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 60/089,745 **18 Jun/juin 1998** US **(18.06.1998)**

(30) 60/112,539 **16 Dec/déc 1998** US **(16.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FEMALE CONNECTORS AND METHODS OF MAKING SAME
• CONNECTEUR FEMELLE ET SON PROCEDE DE FABRICATION

(71) **BEL FUSE, INC.** [US/US]; 198 Van Vorst Street, Jersey City, NJ 07302 (US).

(72) **BERNSTEIN, Elliot**; Ridge Road, Glen Cove, NY 11542 (US).

(74) **FABER, Robert, C.** et al. / etc.; Ostrolenk, Faber, Gerb & Soffen, LLP, 1180 Avenue of the Americas, New York, NY 10036 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01R 23/02, 13/66**

(11) **WO 99/54968** (13) A1

(21) PCT/US99/08650

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,467 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MODULAR MICROELECTRONIC CONNECTOR AND METHOD
• CONNECTEUR MICROELECTRONIQUE MODULAIRE ET SON PROCEDE DE FABRICATION

(71) **PULSE ENGINEERING, INC.** [US/US]; 12220 World Trade Drive, San Diego, CA 92128 (US).

(72) **SHUTTER, Ronald, A.**; 2218 Village Center Drive, Encinitas, CA 92024 (US).

(74) **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson & Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01R 43/18, 43/16**

(11) **WO 99/54969** (13) A1

(21) PCT/FR99/00899

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fr (26) fr

(30) 98/04857 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONTACT ELEMENT STRIP WITH FRAME, METHOD FOR MAKING SAME AND APPLICATION TO CONTACT ASSEMBLIES
• BANDE D'ELEMENTS DE CONTACT A CADRE, SON PROCEDE DE FABRICATION ET SON APPLICATION A DES ENSEMBLES DE CONTACTS

(71) **NICOMATIC** [FR/FR]; Z.I. Les Bracots, F–74890 Bons–en–Chablais (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LECOURTOIS, Eugène** [FR/FR]; 10, rue Jean Comte, F–91540 Echarcon (FR).

(74) **ARNAUD, Jean**; Cabinet Arnaud, 94, rue Saint–Lazare, F–75009 Paris (FR).

(81) BR CA CN CZ HU IN JP KR MX NO PL RO SG SI SK US YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(51)[6] **H01S**

(11) **WO 99/54970** (13) A2

(21) PCT/EP99/02724

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) de (26) de

(30) 198 17 848.4 **22 Apr/avr 1998** DE **(22.04.1998)**

(30) 198 25 827.5 **10 Jun/juin 1998** DE **(10.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RESONATOR ARRAY FOR SOLID–STATE LASERS
• ENSEMBLE RESONATEUR POUR LASERS A SOLIDE

(71) **CARL BAASEL LASERTECHNIK GMBH** [DE/DE]; Peterbrunner Strasse 1b, D–82319 Starnberg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LANGHANS, Lutz** [DE/DE]; Fasanenweg 25, D–82319 Starnberg (DE). **RENNER, Thomas** [DE/DE]; Starnberger Strasse 21, D–81476 München (DE).

(81) DE JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H01S 3/06, G02B 6/16, G02F 1/35**

(11) **WO 99/54971** (13) A1

(21) PCT/GB99/01105

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 9808265.4 **17 Apr/avr 1998** GB **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OPTICAL FIBRE LASER
• LASER A FIBRE OPTIQUE

(71) **UNIVERSITY OF SOUTHAMPTON** [GB/GB]; Highfield, Southampton, Hampshire SO17 1BJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LAMING, Richard, Ian** [GB/GB]; 62 Craigmillar Park, Edinburgh EH16 5PU (GB). **ZERVAS, Michael, Nickolaos** [GR/GB]; 3 Clifford Dibben Mews, Avenue Road, Southampton, Hampshire SO14 0TP (GB). **SET, Sze, Yun** [MY/JP]; 1–2–20–401, Minami, Meguro–ku, Tokyo 152–0013 (JP). **IBSEN, Morten** [DK/GB]; 10 Summit Way, Southampton, Hampshire SO18 4ST (GB). **RONNEKLEIV, Erland** [NO/NO]; Sig. Jorsalfars v. 23B, N–7017 Trondheim (NO). **YAMASHITA, Shinji** [JP/JP]; 52–7, Minami–cho Itabashi, Tokyo 173–0027 (JP).

(74) **TURNER, James, Arthur**; D. Young & Co., 21 New Fetter Lane, London EC4A 1DA (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H01S 3/085, G02B 6/42**

(11) **WO 99/54972** (13) A1

(21) PCT/US99/08036

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 09/063,837 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FIBER GRATING FEEDBACK STABILIZATION OF BROAD AREA LASER DIODE
• STABILISATION A RETROACTION D'UNE DIODE LASER A GRANDE SURFACE PAR UN RESEAU DE FIBRES

(71) **SCIENTIFIC–ATLANTA, INC.** [US/US]; Intellectual Property Dept., One Technology Parkway South, Norcross, GA 30092 (US).

(72) **ANTHON, Douglas, W.**; 925 Cherry Street, Wheaton, IL 60187 (US).

(74) **GARDNER, Kelly, A.** et al. / etc.; Scientific–Atlanta, Inc., Intellectual Property Dept., One Technology Parkway South, Norcross, GA 30092 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02B 1/48, B60R 16/02, H05K 5/02**

(11) **WO 99/54973** (13) A1

(21) PCT/US99/05084

(22) **9 Mar/mar 1999 (09.03.1999)**

(25) en (26) en

(30) 09/061,463 **16 Apr/avr 1998** US **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • QUICK CONNECT RELAY MODULE
• MODULE DE RELAIS A RACCORD RAPIDE

(71) **SIEMENS ELECTROMECHANICAL COMPONENTS, INC.** [US/US]; 700 Westpark Drive, Peachtree City, GA 30269–1498 (US).

(72) **TONEJC, Vinko**; Zabel–Krueger–Damm 7, D–13489 Berlin (DE). **McGIBBON, Brian, J.**; 4366 McNay Court, West Bloomfield, MI 48323 (US).

(74) **JAY, Mark, H.** et al. / etc.; Siemens Corporation, Intellectual Property Dept., 186 Wood Avenue South, Iselin, NJ 08830 (US).

(81) CA KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02B 11/127**

(11) **WO 99/54974** (13) A1

(21) PCT/DE99/01061

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) de (26) de

(30) 198 17 939.1 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DISCONNECTOR CONTACT DRIVE DEVICES FOR SWITCHING INSTALLATIONS WHICH SUPPLY AND DISTRIBUTE POWER
• UNITES DE COMMANDE A CONTACTS DE RUPTURE POUR INSTALLATIONS DE COMMUTATION D'ALIMENTATION ET DE DISTRIBUTION D'ENERGIE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BÖTTCHER, Martin** [DE/DE]; Eosanderstrasse 10, D–10587 Berlin (DE). **KAMPF, Marcus** [DE/DE]; Sponholzstrasse 12, D–12159 Berlin (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02G 3/08**

(11) **WO 99/54975** (13) A1

(21) PCT/SE99/00570

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) sv (26) en

(30) 9801334–5 **17 Apr/avr 1998** SE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LEAD THROUGH FOR A CABLE OR A PIPE
• TRAVERSEE POUR CABLE OU TUBE

(71) **THORSMAN & CO. AB** [SE/SE]; P.O. Box 1010, S–611 29 Nyköping (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WÄNGSTRE, Håkan** [SE/SE]; Teatergatan 2 C, S–611 31 Nyköping (SE).

(74) **WÄRULF, Olov**; Oxelösunds Patentbyrå HB, Sköldvägen 36, S–613 37 Oxelösund (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H02H 3/02**

(11) **WO 99/54976** (13) A1

(21) PCT/FI99/00318

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 980876 **21 Apr/avr 1998** FI **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR ADAPTING A PROTECTIVE RELAY TO THE MAINS FREQUENCY, AND A PROTECTIVE RELAY
• PROCEDE POUR ADAPTER UN RELAIS DE PROTECTION A LA FREQUENCE DU SECTEUR, ET RELAIS DE PROTECTION

(71) **ABB SUBSTATION AUTOMATION OY** [FI/FI]; Muottitie 2 A, FIN–65320 Vaasa (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUISTI, Harri** [FI/FI]; Teirinkatu 10 A 3, FIN–65350 Vaasa (FI). **LEHTINEN, Reijo** [FI/FI]; Kuikankatu 1 C 148, FIN–33100 Tampere (FI).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (FI).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H02H 3/33**

(11) **WO 99/54977** (13) A1

(21) PCT/DE99/01074

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) de (26) de

(30) 198 18 054.3 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POWER CIRCUIT–BREAKER
• DISJONCTEUR

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAUER, Bernhard** [DE/DE]; Friedenstrasse 17, D–93053 Regensburg (DE). **SCHMID, Reinhard** [DE/DE]; Neuprüll 20, D–93051 Regensburg (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02H 3/33**

(11) **WO 99/54978** (13) A1

(21) PCT/DE99/01108

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 18 055.1 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DIFFERENTIAL CURRENT PROTECTIVE CIRCUIT BREAKER
• DISJONCTEUR A COURANT DIFFERENTIEL

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAUER, Bernhard** [DE/DE]; Friedenstrasse 17, D–93053 Regensburg (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02H 7/08**

(11) **WO 99/54979** (13) A1

(21) PCT/EP99/02486

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 224.9 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR DETECTING PHASE FAILURE IN AN ASYNCHRONOUS MACHINE
• PROCEDE POUR LA DETECTION DE DEFAILLANCE DE PHASE DANS UN MOTEUR ASYNCHRONE

(71) **LENZE GMBH & CO. KG** [DE/DE]; Hans–Lenze–Strasse 1, D–31855 Aerzen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KRIETEMEIER, Jürgen** [DE/DE]; Schwalbenweg 1, D–31855 Aerzen (DE). **HARTMANN, Elmar** [DE/DE]; Weberstrasse 27, D–31787 Hameln (DE). **SCHNURBUSCH, Wolfgang** [DE/DE]; Kiefernweg 4, D–31863 Coppenbrügge (DE).

(74) **THIELKING, Bodo** et al. / etc.; Gadderbaumer Strasse 20, D–33602 Bielefeld (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **H02H 9/04, H01H 71/02, 50/02**

(11) **WO 99/54980** (13) A1

(21) PCT/DE99/01128

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 231.1 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INTERFERENCE SUPPRESSION MODULE
• MODULE ANTIPARASITES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE). **MURRELEKTRONIK GMBH** [DE/DE]; Falkenstrasse 3, D–71570 Oppenweiler (DE).

(72) **GEBHARD, Josef**; Talweg 22, D–92224 Amberg (DE). **HERNES, Klaus**; Asamstrasse 12, D–92266 Ensdorf (DE). **ZIMMERMANN, Norbert**; Lobenhofstrasse 19, D–92237 Sulzbach–Rosenberg (DE). **ZIZLER, Josef**; Lohweg 2, D–92272 Freudenberg (DE). **LAIBLE, Helmut**; Fritz–Ehrmann–Strasse 26, D–71570 Murrhardt (DE). **FRANK, Herbert**; Hofackerweg 10, D–71570 Oppenweiler (DE). **ARNOLD, Pius**; Im Kästelein 4, D–96158 Frensdorf (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **H02H 9/06, H02P 11/00**

(11) **WO 99/54981** (13) A1

(21) PCT/US99/08690

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/064,977 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROTARY INDUCTION MACHINE HAVING CONTROL OF SECONDARY WINDING IMPEDANCE
• MACHINE ASYNCHRONE ROTATIVE COMMANDANT L'IMPEDANCE D'UN ENROULEMENT SECONDAIRE

(71) **HELLER–DEJULIO CORPORATION** [US/US]; Suite 250, 4670 Willow Road, Pleasanton, CA 94588 (US).

(72) **OLIVER, James, A.**; 18901 State Street, Corona, CA 91719 (US). **WALLACE, Alan**; 2690 Northwest Royal Oaks Drive, Corvallis, OR 97330 (US).

(74) **TEST, Aldo, J.** et al. / etc.; Flehr, Hohbach, Test, Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111–4187 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H02H 11/00**

(11) **WO 99/54982** (13) A1

(21) PCT/DE99/01120

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) 198 17 792.5 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLARITY REVERSAL PROTECTION CIRCUIT
• CIRCUIT DE PROTECTION ANTI–TENSION INVERSE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **XU, Chihao** [CN/DE]; Bodenseestrasse 302 A, D–81249 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02H 11/00**

(11) **WO 99/54983** (13) A1

(21) PCT/DE99/00882

(22) **24 Mar/mar 1999 (24.03.1999)**

(25) de (26) de

(30) 198 17 790.9 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • POLARITY REVERSAL PROTECTION CIRCUIT
• CIRCUIT A PROTECTION CONTRE L'INVERSION DE POLARITE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SANDER, Rainald** [DE/DE]; Alemannenstrasse 8, D–81543 München (DE). **XU, Chihao** [CN/DE]; Bodenseestrasse 302 a, D–81249 München (DE). **GANTIOLER, Josef–Matthias** [IT/DE]; Pflegerbauerstrasse 5, D–81925 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02J 13/00, 3/14**

(11) **WO 99/54984** (13) A1

(21) PCT/EP99/02590

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 191.9 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR ADJUSTING TOTAL OUTPUT OF POWER ENGINEERING INSTALLATIONS
• PROCEDE DE REGLAGE DE LA PUISSANCE TOTALE D'INSTALLATIONS TECHNIQUES DE PRODUCTION D'ENERGIE

(71, 72) **FRANK, Thomas** [DE/DE]; Hasengrund 1, D–21224 Rosengarten (DE).

(74) **SIEMONS, Norbert** et al. / etc.; Postfach 30 24 30, D–20308 Hamburg (DE).

(81) CA CN CZ JP PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02K 1/14**

(11) **WO 99/54985** (13) A1

(21) PCT/SE99/00614

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9801401–2 **21 Apr/avr 1998** SE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INDUCTION MACHINE STATOR
• STATOR DE MACHINE A INDUCTION

(71) **HÖGANÄS AB** [SE/SE]; S–263 83 Höganäs (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JACK, Alan, G.** [GB/GB]; Milestone House, Allendale Road, Hexham, Northumberland NE46 2NB (GB). **MECROW, Barrie** [GB/GB]; 50 Haddington Road, Whitley Bay, Tyne and Wear (GB). **KROGEN, Öystein** [NO/SE]; Långarödsvägen 16, S–263 32 Höganäs (SE).

(74) **AWAPATENT AB**; P.O. Box 5117, S–200 71 Malmö (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H02K 1/27, 1/28, 15/03, 37/00, G04C 3/14**

(11) **WO 99/54986** (13) A1

(21) PCT/JP99/02189

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) ja (26) ja

(30) 10/113043 **23 Apr/avr 1998** JP **(23.04.1998)**

(30) 10/249376 **3 Sep/sep 1998** JP **(03.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROTOR OF SMALL–SIZED MOTOR
• ROTOR DE MOTEUR DE PETITE TAILLE

(71) **CITIZEN WATCH CO., LTD.** [JP/JP]; 1–1, Nishi–Shinjuku 2–chome, Shinjuku–ku, Tokyo 163–0428 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SATO, Junji** [JP/JP]; Citizen Watch Co., Ltd. Technical Laboratory, 840, Aza Takeno, Oaza Shimotomi, Tokorozawa–shi, Saitama 359–8511 (JP). **SASHIDA, Eikichi** [JP/JP]; Citizen Watch Co., Ltd. Tanashi Factory, 1–12, Honcho 6–chome, Tanashi–shi, Tokyo 188–8511 (JP). **MIYAUCHI, Hideharu** [JP/JP]; Citizen Watch Co., Ltd. Tanashi Factory, 1–12, Honcho 6–chome, Tanashi–shi, Tokyo 188–8511 (JP). **SAKAKIBARA, Yousuke** [JP/JP]; Citizen Watch Co., Ltd. Technical Laboratory, 840, Aza Takeno, Oaza Shimotomi, Tokorozawa–shi, Saitama 359–8511 (JP). **IKEDA, Hiroshi** [JP/JP]; Citizen Watch Co., Ltd. Technical Laboratory, 840, Aza Takeno, Oaza Shimotomi, Tokorozawa–shi, Saitama 359–8511 (JP). **HASHIMOTO, Eigou** [JP/JP]; Citizen Watch Co., Ltd. Technical Laboratory, 840, Aza Takeno,

Oaza Shimotomi, Tokorozawa–shi, Saitama 359–8511 (JP).

(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki, Ishida & Associates, Toranomon 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–8423 (JP).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02K 7/14, 7/10, H02P 5/17, F16K 31/04**

(11) **WO 99/54987** (13) A1

(21) PCT/AU99/00283

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) PP 3002 **16 Apr/avr 1998** AU **(16.04.1998)**

(30) PP 8827 **22 Feb/fév 1999** AU **(22.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN ELECTRICALLY OPERATED VALVE OR DAMPER ACTUATOR HAVING AN ELECTRIC MOTOR DIRECTLY COUPLED TO THE ACTUATOR DRIVE SHAFT
• POUSSOIR ELECTRIQUE POUR SOUPAPE OU VOLET, COMPORTANT UN MOTEUR ELECTRIQUE DIRECTEMENT COUPLE A SON ARBRE D'ENTRAINEMENT

(71) **TRANSFIELD PTY. LIMITED** [AU/AU]; Level 36, Gateway, 1 Macquarie Place, Sydney, NSW 2000 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WHITWORTH, Christopher, John** [AU/AU]; 35 Adelaide Avenue, East Lindfield, NSW 2070 (AU). **KILLOW, Douglas** [AU/AU]; 105 Adderton Road, Telopea, NSW 2117 (AU).

(74) **MAXWELL, Peter, Francis**; Peter Maxwell & Associates, Level 6, 60 Pitt Street, Sydney, NSW 2000 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H02K 11/00, 41/04, 7/06, F16H 27/02, F16D 5/00**

(11) **WO 99/54988** (13) A1

(21) PCT/US99/08813

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,814 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 60/098,115 **27 Aug/août 1998** US **(27.08.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SPECIALIZED ACTUATORS DRIVEN BY OSCILLATORY TRANSDUCERS
• ACTIONNEURS SPECIALISES COMMANDES PAR DES TRANSDUCTEURS OSSCILLANTS

(71) **OMNIFIC INTERNATIONAL, LTD.** [US/US]; 30 Cramer Road, Poughkeepsie, NY 12603 (US).

(72) **MIZZI, John**; 30 Cramer Road, Poughkeepsie, NY 12603 (US). **SMACKEY, Bruce, M.**; 418 N. Pine Top Circle, Bethlehem, PA 18017 (US). **WOO, Edward, K.**; 8 Miron Drive, Poughkeepsie, NY 12603 (US).

(74) **WALKER, Alfred, M.**; 225 Old Country Road, Melville, NY 11747 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H02K 15/04, 15/06**

(11) **WO 99/54989** (13) A2

(21) PCT/EP99/02566

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 370.9 **18 Apr/avr 1998** DE **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD, DEVICE AND TRANSFER TOOL FOR WINDING COILS AND DRAWING THEM INTO STATORS OF ELECTRICAL MACHINES
• PROCEDE, DISPOSITIF ET OUTIL DE TRANSFERT PERMETTANT L'ENROULEMENT ET L'INTRODUCTION DE BOBINES DANS LES STATORS DE MACHINES ELECTRIQUES

(71) **STATOMAT SPEZIALMASCHINEN GMBH** [DE/DE]; An der Rosenhelle 4, D–61138 Niederdorfelden (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SIMON, Bernhard** [DE/DE]; Friedrichstrasse 8, D–63579 Freigericht (DE).

(74) **JOCHEM, Bernd**; Staufenstrasse 36, D–60323 Frankfurt am Main (DE).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02K 21/18, 1/06, 1/14, 37/16**

(11) **WO 99/54990** (13) A1

(21) PCT/AU99/00261

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) PP 3010 **16 Apr/avr 1998** AU **(16.04.1998)**

(30) PP 7502 **3 Dec/déc 1998** AU **(03.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPROVED ELECTRIC MOTOR
• MOTEUR ELECTRIQUE AMELIORE

(71, 72) **ETTRIDGE, John, Patrick** [AU/AU]; 53 Branksome Terrace, Dover Gardens, S.A. 5048 (AU).

(81) CN IN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02M 7/219, H02P 5/175, 5/17**

(11) **WO 99/54991** (13) A1

(21) PCT/US99/07857

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 09/063,236 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FUZZY CONTROLLED POWER SUPPLY FOR DC–MOTOR WITH PWM–CHOPPER
• ALIMENTATION A COMMANDE FLOUE POUR MOTEUR CC AVEC DECOUPEUR PWM

(71) **K–TRON TECHNOLOGIES, INC.** [US/US]; Delaware Trust Building, Suite 900, 300 Delaware Avenue, Wilmington, DE 19801 (US).

(72) **REYNOLDS, David, L.**; Steinacker 246, CH–5042 Hirschthal (CH). **FOLEY, James, T.**; 523 Sharp Drive, Mickleton, NJ 08056 (US).

(74) **NEY, Andrew, L.** et al. / etc.; Ratner & Prestia, 301 One Westlakes (Berwyn), P.O. Box 980, Valley Forge, PA 19482–0980 (US).

(81) BR CN JP KR RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H02P 6/10**

(11) **WO 99/54992** (13) A1

(21) PCT/US99/08442

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,355 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AN EXCITATION CIRCUIT FOR BALANCING PHASE VOLTAGES IN A TWO PHASE MOTOR
• CIRCUIT D'EXCITATION SERVANT A EQUILIBRER LES TENSIONS DE PHASE DANS UN MOTEUR BIPHASE

(71) **ALLIEDSIGNAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).

(72) **SCRUGGS, Michael, K.**; 20 Park Avenue, Pompton Plains, NJ 07444 (US). **SOZUSEN, Serdar, T.**; 2308 Rachel Terrace, Pinebrook, NJ 07058 (US). **ABRAMOVITZ, Randy, C.**; 119 Sampson Street, Garfield, NJ 07026 (US).

(74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc., Law Dept. (Amy Olinger), 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H03F 3/185**

(11) **WO 99/54993** (13) A1

(21) PCT/CN98/00063

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) zh (26) zh

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • AMPLIFIER
• AMPLIFICATEUR

(71, 72) **LI, Shaofu** [CN/CN]; 6 Nanerjie, Zhongguancun, Haidian District, Beijing 100080 (CN).

(74) **CCPIT PATENT AND TRADEMARK LAW OFFICE**; 8th floor, 2 Fuchengmenwai Street, Beijing 100037 (CN).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **H03G 1/00, H03F 3/191**

(11) **WO 99/54994** (13) A1

(21) PCT/US98/20381

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) en (26) en

(30) 09/064,114 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LOW VOLTAGE MEDIUM POWER CLASS C POWER AMPLIFIER WITH PRECISE GAIN CONTROL
• AMPLIFICATEUR DE PUISSANCE DE CLASSE C A PUISSANCE MOYENNE BASSE TENSION A COMMANDE DE GAIN PRECISE

(71) **ROCKWELL SEMICONDUCTOR SYSTEMS, INC.** [US/US]; 4311 Jamboree Road, Newport Beach, CA 92660–3095 (US).

(72) **GRIFFITH, Scott, A.**; 705 Loma Adria, San Clemente, CA 92672 (US). **CHIN, San**; 5172 Del Este Circle, La Palma, CA 90623 (US).

(74) **GESS, Albin, H.**; Price, Gess & Ubell, Suite 250, 2100 S.E. Main Street, Irvine, CA 92614–6238 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03H 9/145, 9/64, 3/08**

(11) **WO 99/54995** (13) A1

(21) PCT/JP99/02097

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) ja (26) ja

(30) 10/110468 **21 Apr/avr 1998** JP **(21.04.1998)**

(30) 10/110469 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SURFACE ACOUSTIC WAVE DEVICE AND PRODUCTION METHOD THEREOF AND MOBILE COMMUNICATION EQUIPMENT USING IT
• DISPOSITIF DE TRAITEMENT DES ONDES ACOUSTIQUES DE SURFACE ET SON PROCEDE DE PRODUCTION, DISPOSITIF DE COMMUNICATION MOBILE COMPRENANT CE DERNIER

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKAYAMA, Ryouichi** [JP/JP]; 21–19, Nishikinya 2–chome, Hirakata–shi, Osaka 573–1192 (JP). **FURUKAWA, Mitsuhiro** [JP/JP]; 2–33–1–1–410, Higashiyamadai, Nishinomiya–shi, Hyogo 669–1133 (JP). **MURASHIMA, Yuji** [JP/JP]; 30–23–215, Miyukihigashimachi, Neyagawa–shi, Osaka 572–0055 (JP). **SAKURAGAWA, Toru** [JP/JP]; 2–17–403, Umezonocho, Moriguchi–shi, Osaka 570–0066 (JP). **NOMURA, Koji** [JP/JP]; 2–37–8, Tawaradai, Shijonawate–shi, Osaka 575–0013 (JP).

(74) **IWAHASHI, Fumio** et al. / etc.; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03H 17/02, 21/00**

(11) **WO 99/54996** (13) A1

(21) PCT/IB99/00263

(22) **15 Feb/fév 1999 (15.02.1999)**

(25) en (26) en

(30) 09/062,941 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR VARYING THE DYNAMIC RANGE OF COEFFICIENTS IN A DIGITAL FILTER
• SYSTEME DE VARIATION DE LA FOURCHETTE DYNAMIQUE DE COEFFICIENTS DANS UN FILTRE NUMERIQUE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **WITTIG, Karl**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **TURKENICH, Gene**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **SCHOENMAKER, Maarten**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03H 17/06**

(11) **WO 99/54997** (13) A1

(21) PCT/AT99/00094

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) de (26) de

(30) A 664/98 **20 Apr/avr 1998** AT **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR CONVERTING THE SCANNING RATE
• PROCEDE DE TRANSFORMATION DES VITESSES DE BALAYAGE

(71) **SIEMENS AG ÖSTERREICH** [AT/AT]; Siemensstrasse 88–92, A–1210 Wien (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LENGER, Manfred** [AT/AT]; Schottengasse 3a/4/34, A–1010 Wien (AT).

(74) **MATSCHNIG, Franz**; Siebensterngasse 54, A–1071 Wien (AT).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03J 1/00, 7/04**

(11) **WO 99/54998** (13) A1

(21) PCT/US99/08367

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,115 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LNB DRIFT SEARCH SYSTEM FOR DBS PRODUCTS
• ALGORITHME DE RECHERCHE DE DERIVE DE BLOC CONVERTISSEUR A FAIBLE BRUIT POUR TELEVISION DIRECTE PAR SATELLITE

(71) **THOMSON CONSUMER ELECTRONICS, INC.** [US/US]; 10330 North Meridian Street, Indianapolis, IN 46290–1024 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BELOTSERKOVSKY, Max Borisovich** [RU/US]; 9307 Aintree Drive, Indianapolis, IN 46250 (US).

(74) **TRIPOLI, Joseph, S.** et al. / etc.; Thomson Multimedia Licensing Inc., P.O. Box 5312, Princeton, NJ 08540 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H03K 1/04**

(11) **WO 99/54999** (13) A1

(21) PCT/US99/08370

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/065,643 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • USING ASYNCHRONOUS FIFO CONTOL RINGS FOR SYNCHRONOUS SYSTEMS
• ANNEAUX DE COMMANDE FIFO ASYNCHRONES POUR SYSTEMES SYNCHRONES

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, MS PAL1–521, Palo Alto, CA 94303 (US).

(72) **FAIRBANKS, Scott, M.**; Apartment 3, 716 South Shoreline, Mountain View, CA 94041 (US).

(74) **ALBERT, Philip, H.** et al. / etc.; Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th floor, San Francisco, CA 94111–3834 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H03K 5/00**

(11) **WO 99/55000** (13) A2

(21) PCT/US99/07393

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,959 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/298,369 **22 Apr/avr 1999** US **(22.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SKEW–INSENSITIVE LOW VOLTAGE DIFFERENTIAL RECEIVER
• RECEPTEUR DIFFERENTIEL A BASSE TENSION INSENSIBLE AU DECALAGE

(71) **SILICON IMAGE, INC.** [US/US]; 10131 Bubb Road, Cupertino, CA 95014 (US).

(72) **LEE, Kyeongho**; 93–102, Sangsu–dong, Mapo–gu, Seoul (KR). **JEONG, Deog–Kyoon**; 106–706, Daewoo–HyoRyong Apt., 1038, Bangbae–3–Dongu, Seocho–ku, Seoul 137–063 (KR).

(74) **RAO, Dana, S.** et al. / etc.; Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA 94306 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H03K 5/00**

(11) **WO 99/55001** (13) A2

(21) PCT/US99/07523

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 09/064,272 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BED ASSEMBLY WITH AIR MATTRESS AND CONTROLLER
• ENSEMBLE LIT COMPRENANT UN MATELAS A AIR ET UN DISPOSITIF DE COMMANDE

(71) **PATMARK COMPANY, INC.** [US/US]; Suite 530, 300 Delaware Avenue, Wilmington, DE 19801–1622 (US).

(72) **LUFF, Lawrence, E.**; 17 Pine Grove Drive, Batesville, IN 47006 (US). **WESTERFELD, Steven, R.**; 20111 Hickory Road, Batesville, IN 47006 (US). **REEDER, Ryan, Anthony**; 1126 Franklin Avenue, Brookville, IN 47012 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H03K 5/06, 5/14 // 5/135**

(11) **WO 99/55002** (13) A1

(21) PCT/IB99/00664

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 98201265.0 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TIMING CIRCUIT
• CIRCUIT DE TEMPORISATION

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE). *(only for / seulement pour SE)*

(72) **VAN ASMA, Cornelis, G., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **LAMMERS, Matheus, J., G.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **SCHOENMAKER, Maarten**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

(51)[6] **H03K 19/0175, G06F 13/40**

(11) **WO 99/55003** (13) A1

(21) PCT/DE98/03779

(22) **23 Dec/déc 1998 (23.12.1998)**

(25) de (26) de

(30) 198 17 441.1 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXTERNALLY SUPPLIED INTERFACE ADAPTER
• ADAPTATEUR DE JONCTIONS A ALIMENTATION EXTERNE

(71) **KLÖCKNER–MOELLER GMBH** [DE/DE]; Hein–Moeller–Strasse 7–11, D–53115 Bonn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CULCA, Horea–Stefan** [DE/DE]; Braschosser Strasse 66a, D–53721 Siegburg (DE).

(74) **KLÖCKNER–MOELLER GMBH**; Hein–Moeller–Strasse 7–11, D–53115 Bonn (DE).

(81) BR CN CZ HU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03M**

(11) **WO 99/55004** (13) A2

(21) PCT/DE99/01208

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) de (26) de

(30) 198 17 617.1 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR CONVERTING TREE–STRUCTURED DATA
• PROCEDE POUR CONVERTIR DES DONNEES A STRUCTURE ARBORESCENTE

(71) **DETEMOBIL DEUTSCHE TELEKOM MOBILNET GMBH** [DE/DE]; Landgrabenweg 151, D–53227 Bonn (DE).

(72) **KEHR, Klaus**; Michaelstrasse 13, D–53111 Bonn (DE).

(81) CZ PL; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03M 1/38**

(11) **WO 99/55005** (13) A1

(21) PCT/SE99/00635

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 9801367–5 **20 Apr/avr 1998** SE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANALOG–TO–DIGITAL CONVERTER WITH SUCCESSIVE APPROXIMATION
• CONVERTISSEUR ANALOGIQUE/NUMERIQUE A APPROXIMATIONS SUCCESSIVES

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; Telefonvägen 30, S–126 25 Stockholm (SE).

(72) **EKLUND, Jan–Erik**; Plöjaregatan 44, S–583 33 Linköping (SE). **EDMAN, Anders**; Norrtorp, Brokind, S–590 41 Rimforsa (SE).

(74) **ERICSSON COMPONENTS AB**; Dept. for Intellectual Property Rights, Isafjordsgatan 16, Kista, S–164 81 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H03M 1/68**

(11) **WO 99/55006** (13) A1

(21) PCT/US99/06168

(22) **19 Mar/mar 1999 (19.03.1999)**

(25) en (26) en

(30) 09/063,242 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TWO STAGE RESISTIVE DIVIDER DAC USING PMOS AND NMOS SWITCHES
• CONVERTISSEUR NUMERIQUE–ANALOGIQUE DIVISEUR A RESISTANCES A DEUX ETAGES UTILISANT DES COMMUTATEURS PMOS ET NMOS

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **CONNELL, Lawrence, E.**; 2464 Rio Grande Circle, Naperville, IL 60565 (US). **DRIBINSKY, Alexander**; 1211 Needham Road, Naperville, IL 60563 (US).

(74) **CUNNINGHAM, Gary, J.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(81) CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03M 7/30, H04N 1/41, 7/28**

(11) **WO 99/55007** (13) A1

(21) PCT/JP99/02050

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/124283 **17 Apr/avr 1998** JP **(17.04.1998)**

(30) 10/189516 **3 Jul/juil 1998** JP **(03.07.1998)**

(30) 10/208365 **23 Jul/juil 1998** JP **(23.07.1998)**

(30) 10/309808 **30 Oct/oct 1998** JP **(30.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR MAKING CODE BOOK, VECTOR QUANTIZING DEVICE, DEVICE AND METHOD FOR DATA COMPRESSION, DEVICE AND METHOD FOR DATA DECOMPRESSION, SYSTEM FOR DATA COMPRESSION/DECOMPRESSION
• PROCEDE ET APPAREIL PERMETTANT DE CONSTITUER UNE TABLE DE CODAGE, DISPOSITIF DE QUANTIFICATION DE VECTEUR, DISPOSITIF ET PROCEDE DE COMPRESSION DE DONNEES, DISPOSITIF ET PROCEDE DE DECOMPRESSION DE DONNEES, SYSTEME DE COMPRESSION/DECOMPRESSION DE DONNEES

(71) **ULTRACLEAN TECHNOLOGY RESEARCH INSTITUTE, CO., LTD.** [JP/JP]; 1–4, Hongo 4–chome, Bunkyo–ku, Tokyo 113–0033 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **OHMI, Tadahiro** [JP/JP]; 1–17–301, Komegabukuro 2–chome, Aoba–ku, Sendai–shi, Miyagi 980–0813 (JP).

(72, 75) **KOTANI, Koji** [JP/JP]; 5–2–206, Inagekaigan 5–chome, Mihama–ku, Chiba–shi, Chiba 261–0005 (JP). **NAKADA, Akira** [JP/JP]; 12–5, Kahei 2–chome, Adachi–ku, Tokyo 121–0055 (JP). **IMAI, Makoto** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Migayi 980–8579 (JP). **KONDA, Masahiro** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **MORIMOTO, Tatsuo** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **YONEZAWA, Takemi** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **NOZAWA, Toshiyuki** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **NAKAYAMA, Takahiro** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **FUJIBAYASHI, Masanori** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **NITTA, Takahisa** [JP/JP]; Ultraclean Technology Research Institute, Co., Ltd., 1–4, Hongo 4–chome, Bunkyo–ku, Tokyo 113–0033 (JP).

(74) **KOKUBUN, Takayoshi**; Ikebukuro TG Homest Building, 5th floor, 17–8, Higashi–Ikebukuro 1–chome, Toshima–ku, Tokyo 170–0013 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03M 13/00**

(11) **WO 99/55008** (13) A1

(21) PCT/KR99/00186

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 1998/13957 **18 Apr/avr 1998** KR **(18.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CHANNEL ENCODING/DECODING APPARATUS AND METHOD FOR COMMUNICATION SYSTEM
• CODEUR/DECODEUR DE CANAUX ET PROCEDE RELATIF A UN SYSTEME DE TELECOMMUNICATIONS

(71) **SAMSUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan–dong, Paldal–gu, Suwon–shi, Kyungki–do 442–370 (KR).

(72) **PARK, Chang, Soo**; 72–2, Munjong–dong, Songpa–gu, Seoul 138–200 (KR). **LEE, Hyeon–Woo**; Byeoksan Apartment, 806–901, Kwonson–dong, Kwonson–gu, Suwon–shi, Kyonggi–do 441–390 (KR).

(74) **LEE, Keon, Joo**; Mihwa Building, 110–2, Myongryun–dong, 4–ga, Chongro–gu, Seoul 110–524 (KR).

(81) AU BR CA CN JP RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H03M 13/00, H04L 27/18**

(11) **WO 99/55009** (13) A1

(21) PCT/US99/08342

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,200 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 45 DEGREE PHASE AMBIGUITY RESOLUTION FOR 8PSK MODULATION
• LEVEE D'AMBIGUITE DES PHASES A 45 DEGRES DESTINEE A LA MODULATION 8–MDP

(71) **TIERNAN COMMUNICATIONS, INC.** [US/US]; 5751 Copley Drive, San Diego, CA 92111 (US).

(72) **ACHOUR, Maha**; 4215 Camino Sandoval, San Diego, CA 92130 (US).

(74) **SMITH, James, M.** et al. / etc.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H03M 13/00, H04L 27/18**

(11) **WO 99/55010** (13) A1

(21) PCT/US99/08346

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,199 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR TCM DECODING USING QPSK VITERBI DECODER
• PROCEDE ET APPAREIL DESTINES AU DECODAGE DE MODULATION CODEE EN TREILLIS AU MOYEN D'UN DECODEUR DE VITERBI A DPQ

(71) **TIERNAN COMMUNICATIONS, INC.** [US/US]; 5751 Copley Drive, San Diego, CA 92111 (US).

(72) **NEE, Chi–ping**; 4757 Bancroft Street, San Diego, CA 02116 (US).

(74) **SMITH, James, M.** et al. / etc.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H03M 13/12**

(11) **WO 99/55011** (13) A1

(21) PCT/KR99/00187

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 1998/13956 **18 Apr/avr 1998** KR **(18.04.1998)**

(30) 1998/14879 **25 Apr/avr 1998** KR **(25.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CHANNEL ENCODING DEVICE AND METHOD FOR COMMUNICATION SYSTEM
• DISPOSITIF ET PROCEDE DE CODAGE DE CANAL POUR SYSTEME DE COMMUNICATION

(71) **SAMSUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan–dong, Paldal–gu, Suwon–shi, Kyungki–do 442–370 (KR).

(72) **KIM, Jae, Yoel**; Paekdu Apt., #960–1401, Sanpon 2–dong, Kunpo–shi, Kyonggi–do 435–042 (KR). **PARK, Chang, Soo**; 72–2, Munjong–dong, Songpa–gu, Seoul 138–200 (KR). **KANG, Hee, Won**; 1499, Myonmok 7–dong, Chungnang–gu, Seoul 131–207 (KR). **KONG, Jun, Jin**; Jugong Apt., #120–703, Shinhung 2–dong, Sujong–gu, Songnam–shi, Kyonggi–do 461–162 (KR). **NO, Jong, Seon**; 133, Imae–dong, Puntang–gu, Songnam–shi, Kyonggi–do 463–060 (KR). **YANG, Kyeong, Cheol**; 50, Youido–dong, Yongdungpo–gu, Seoul 150–010 (KR).

(74) **LEE, Keon, Joo**; Mihwa Building, 110–2, Myongryun–dong, 4–ga, Chongro–gu, Seoul 110–524 (KR).

(81) AU BR CA CN JP RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04B**

(11) **WO 99/55012** (13) A2

(21) PCT/IB99/00575

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) en (26) en

(30) 9808401.5 **22 Apr/avr 1998** GB **(22.04.1998)**

(30) 9901789.9 **28 Jan/jan 1999** GB **(28.01.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ANTENNA DIVERSITY SYSTEM
• SYSTEME D'ANTENNES DIVERSIFIE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **EVANS, David, H.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **BOYLE, Kevin, R.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **CALDWELL, Richard, J.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **TANGENA, Antonius, G.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04B**

(11) **WO 99/55013** (13) A2

(21) PCT/US99/08673

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,492 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS OF SUPPORTING A VIDEO PROTOCOL IN A NETWORK ENVIRONMENT
• PROCEDE ET APPAREIL DE PRISE EN CHARGE D'UN PROTOCOLE VIDEO DANS UN ENVIRONNEMENT RESEAU

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, M/S UPAL01–521, Palo Alto, CA 94303 (US).

(72) **RUBERG, Alan, T.**; 605 Emerald Bay Lane, Foster City, CA 94404 (US). **HANKO, James, G.**; 2746 Ohio Avenue, Redwood City, CA 94061 (US). **NORTHCUTT, J., Duane**; 184 Seminary Drive, Menlo Park, CA 94025 (US). **WALL, Gerard, A.**; 4515 Crocus Drive, San Jose, CA 95136 (US).

(74) **HECKER, Gary, A.** et al. / etc.; Hecker & Harriman, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04B 1/04, H01Q 3/26, H03H 7/38**

(11) **WO 99/55014** (13) A1

(21) PCT/CH99/00144

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) de (26) de

(30) 198 18 003.9 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BROADCASTING TRANSMITTER SYSTEM
• SYSTEME EMETTEUR DE RADIODIFFUSION

(71) **THOMCAST AG** [CH/CH]; Bahnhofstrasse 34, CH–5300 Turgi (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROHRBACH, Werner** [DE/DE]; Alpenblickstrasse 51, D–79761 Waldshut–Tiengen (DE). **REICHE, Jürgen** [DE/DE]; Karl–Marx–Strasse 1, D–68775 Ketsch (DE).

(74) **OTTOW, Jens**; Hug Interlizenz AG, Nordstrasse 31, Postfach 354, CH–8035 Zürich (CH).

(81) CA CN CZ GB JP RU SK US YU.

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(51)[6] **H04B 1/30, H03D 7/16**

(11) **WO 99/55015** (13) A1

(21) PCT/US99/08659

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/064,930 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DIRECT CONVERSION RECEIVER
• RECEPTEUR DE CONVERSION DIRECTE

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **ARPAIA, Domenico**; 2500 Grove Club Lane, Cary, NC 27513 (US). **GORE, Charles, Jr.**; 5202 Brookstone Drive, Durham, NC 27713 (US).

(74) **SEMBRAT, Kevin, A.** et al. / etc.; Ericsson Inc., 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04B 1/38, H04L 5/16**

(11) **WO 99/55016** (13) A1

(21) PCT/US99/06581

(22) **25 Mar/mar 1999 (25.03.1999)**

(25) en (26) en

(30) 09/061,645 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • WIRELESS MODEM AND METHOD THEREFOR FOR ROUTING DATA TO AN APPLICATION OR TO STORAGE
• MODEM RADIO ET METHODE PERMETTANT D'ACHEMINER DES DONNEES VERS UNE APPLICATION OU UN POINT DE STOCKAGE

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **SMITH, Dwight, Randall**; 2132 Brownstone Court, Grapevine, TX 76051 (US).

(74) **BETHARDS, Charles, W.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 5401 North Beach Street, MS E230, Fort Worth, TX 76137 (US).

(81) AU BR CA CN JP KR MX SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04B 1/38**

(11) **WO 99/55017** (13) A1

(21) PCT/US99/06910

(22) **31 Mar/mar 1999 (31.03.1999)**

(25) en (26) en

(30) 09/063,297 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HIGH–SPEED PC MODEM CONNECTION SYSTEM
• SYSTEME DE CONNEXION DE MODEMS A GRANDE VITESSE POUR ORDINATEURS PERSONNELS

(71) **GLOBALOOP LTD.** [IL/IL]; Hasharon Street 12, 44269 Kfar Saba (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MIRON, Avi** [IL/IL]; Shaked Street 51, 44862 Zur Yigal (IL). **JACOBY, Yigal** [US/IL]; Nordau Street 9, 43200 Raanana (IL). **GUTMAN, Shlomo** [IL/IL]; Apartment 13, Hirschfeld 12, 75244 Rishon Lezion (IL).

(74) **FRIEDMAN, Mark, M.**; c/o Castorina, Anthony, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA 22202 (IL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04B 7/005, H04Q 7/20, 7/34**

(11) **WO 99/55018** (13) A1

(21) PCT/US99/08657

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,527 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/290,589 **13 Apr/avr 1999** US **(13.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD FOR LOCATING A REMOTE UNIT WITHIN A COMMUNICATION SYSTEM
• PROCEDE POUR LOCALISER UNE UNITE A DISTANCE DANS UN SYSTEME DE COMMUNICATION

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **VANDERSPOOL, Jan, P., II**; 8708 Bull Run Trail, Woodstock, IL 60098 (US).

(74) **HAAS, Kenneth, A.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04B 7/15, 7/26, 1/40**

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(21) PCT/JP98/01852

(22) **22 Apr/avr 1998 (22.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOBILE COMMUNICATION SYSTEM
• SYSTEME DE COMMUNICATION MOBILE

(71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2–3, Marunouchi 2–chome, Chiyoka–ku, Tokyo 100–8310 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FUJI, Tsuyoshi** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).

(74) **SOGA, Michiteru** et al. / etc.; S. Soga & Co., Kokusai Building, 8th floor, 1–1, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).

(81) CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04B 7/216**

(11) **WO 99/55020** (13) A1

(21) PCT/US99/08347

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/065,314 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR GROUP CALLS IN A WIRELESS CDMA COMMUNICATION SYSTEM
• PROCEDE ET APPAREIL DESTINES AUX APPELS DE GROUPE DANS UN SYSTEME DE COMMUNICATIONS SANS FIL A AMCR

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **CHINITZ, Leigh, M.**; 125 E. Colfax Street, Palatine, IL 60067 (US). **NEEDHAM, Michael, L.**; 354 W. Hellen Road, Palatine, IL 60067 (US). **WILSON, Timothy, J.**; 4200 Oaksbury, Rolling Meadows, IL 60008 (US).

(74) **HAAS, Kenneth, A.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04B 7/26, H04L 12/28**

(11) **WO 99/55021** (13) A1

(21) PCT/FR99/00945

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) fr (26) fr

(30) 98/04983 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSMISSION METHOD IN A DOMESTIC COMMUNICATION SYSTEM COMPRISING A WIRELESS CHANNEL
• PROCEDE DE TRANSMISSION DANS UN RESEAU DE COMMUNICATION DOMESTIQUE COMPORTANT UN CANAL SANS FIL

(71) **THOMSON MULTIMEDIA** [FR/FR]; 46, quai Alphonse Le Gallo, F–92100 Boulogne–Billancourt (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DORE, Renaud** [FR/FR]; Thomson Multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR). **DEMOULIN, Vincent** [FR/FR]; Thomson Multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR). **STRAUB, Gilles** [FR/FR]; Thomson Multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR). **LOPEZ, Patrick** [FR/FR]; Thomson Multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR).

(74) **KOHRS, Martin**; Thomson Multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04B 7/26**

(11) **WO 99/55022** (13) A1

(21) PCT/KR99/00183

(22) **17 Apr/avr 1999 (17.04.1999)**

(25) en (26) en

(30) 1998/13789 **17 Apr/avr 1998** KR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RECONNECTION OF DROPPED CALL IN MOBILE COMMUNICATION SYSTEM
• RECONNEXION D'UN APPEL INTERROMPU DANS UN SYSTEME DE COMMUNICATION MOBILE

(71) **SAMSUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan–dong, Paldal–gu, Suwon–shi, Kyungki–do 442–370 (KR).

(72) **CHUN, Kyung, Joon**; 89, Oryun–dong, Songpa–gu, Seoul 138–151 (KR). **HAM, Seok, Jin**; 150, Munjong 2–dong, Songpa–gu, Seoul 138–202 (KR).

(74) **LEE, Keon, Joo**; Mihwa Building, 110–2, Myongryun–dong 4–Ga, Chongro–gu, Seoul 110–524 (KR).

(81) AU BR CA CN JP RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04B 10/00, G02F 1/15**

(11) **WO 99/55023** (13) A1

(21) PCT/US99/07389

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/065,250 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS AND APPARATUS FOR SELECTIVE ATTENUATION IN AN OPTICAL COMMUNICATION USING ELECTROCHROMIC MATERIAL
• PROCEDES ET APPAREIL PERMETTANT D'ATTENUER SELECTIVEMENT UN SIGNAL DE COMMUNICATION OPTIQUE A L'AIDE D'UN MATERIAU ELECTROCHROMIQUE

(71) **TELLABS OPERATIONS, INC.** [US/US]; 4951 Indiana Avenue, MS 16, Lisle, IL 60532 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GREEN, Paul, Eliot, Jr.** [US/US]; 35 Roseholm Place, Mount Kisco, NY 10549 (US).

(74) **RUDOFSKI, Kenneth, J.**; Tellabs Operations, Inc., 4951 Indiana Avenue, MS 16, Lisle, IL 60532 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04B 10/00, H04J 14/06, G02F 1/13**

(11) **WO 99/55024** (13) A1

(21) PCT/US99/08380

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/63,611 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • N x M DIGITALLY PROGRAMMABLE OPTICAL ROUTING SWITCH
• SELECTEUR D'ACHEMINEMENT OPTIQUE NUMERIQUEMENT PROGRAMMABLE N x M

(71) **CHORUM TECHNOLOGIES, INC.** [US/US]; Suite 200, 1155 East Collins Boulevard, Richardson, TX 75081 (US).

(72) **WU, Kuang–Yi**; 1112 Lakeridge Drive, Plano, TX 75075 (US). **LIU, Jian–Yu**; 2721 Woods Lane, Garland, TX 75044 (US).

(74) **CARSON, W., Scott** et al. / etc.; Dorr, Carson, Sloan & Birney, P.C., 3010 E. 6th Avenue, Denver, CO 80206 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04B 15/00**

(11) **WO 99/55025** (13) A2

(21) PCT/US99/08682

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,867 **20 Apr/avr 1998** US **(20.04.1998)**

(30) 09/081,493 **19 May/mai 1998** US **(19.05.1998)**

(30) 09/092,327 **5 Jun/juin 1998** US **(05.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PEAK TO AVERAGE POWER RATIO REDUCTION
• REDUCTION DU RAPPORT DE LA PUISSANCE DE CRETE A LA PUISSANCE MOYENNE

(71) **THE BOARD OF TRUSTEES, LELAND STANFORD JUNIOR UNIVERSITY** [US/US]; 900 Welch Road, Palo Alto, CA 94304 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TELLADO, Jose** [US/US]; Apartment 60, 575 South Rengstorff Avenue, Mountain View, CA 94040 (US). **CIOFFI, John, M.** [US/US]; 7879 Creekline Drive, Cupertino, CA 95014 (US).

(74) **BEYER, Steve, D.**; Beyer & Weaver, LLP, 620 Hansen Way, Palo Alto, CA 94306 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04H 1/00**

(11) **WO 99/55026** (13) A1

(21) PCT/US99/06170

(22) **19 Mar/mar 1999 (19.03.1999)**

(25) en (26) en

(30) 09/065,313 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR RECEIVING A PLURALITY OF SIGNALS HAVING DIFFERENT FREQUENCY BANDWIDTHS
• PROCEDE ET APPAREIL PERMETTANT DE RECEVOIR UNE PLURALITE DE SIGNAUX POSSEDANT DES LARGEURS DE BANDE DE FREQUENCES DIFFERENTES

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schuamburg, IL 60196 (US).

(72) **BACH, Christopher, R.**; 419 Dupage Street, Elgin, IL 60120 (US). **SMITH, Patrick, D.**; 1018 North Plum Grove Road #302, Schaumburg, IL 60173 (US).

(74) **HUGHES, Terri, S.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, Il 60196 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04J 1/00**

(11) **WO 99/55027** (13) A1

(21) PCT/US99/08803

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 09/064,900 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OPTIMIZED INTEGRATED HIGH CAPACITY DIGITAL SATELLITE TRUNKING NETWORK
• RESEAU DES LIAISONS A HAUTES PERFORMANCES INTEGRE OPTIMISE POUR SATELLITE NUMERIQUE

(71) **TRANSWORLD TELECOMMUNICATIONS, INC.** [US/US]; Suite 205, 7601 Lewinsville Road, McLean, VA 22102 (US).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **MILLMAN, Richard, M.** [US/US]; 973 Spencer Road, McLean, VA 22102 (US).

(74) **CHAMPAGNE, Thomas, M.**; Rabin & Champagne, P.C., Suite 1111, 1725 K Street, N.W., Washington, DC 20006 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04J 3/06**

(11) **WO 99/55028** (13) A1

(21) PCT/FR99/00944

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) fr (26) fr

(30) 98/04982 **21 Apr/avr 1998** FR **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR SYNCHRONISATION IN A COMMUNICATION NETWORK AND IMPLEMENTING APPLIANCES

• PROCEDE DE SYNCHRONISATION DANS UN RESEAU DE COMMUNICATION ET APPAREILS DE MISE EN OEUVRE

(71) **THOMSON MULTIMEDIA** [FR/FR]; 46, quai Alphonse Le Gallo, F–92100 Boulogne–Billancourt (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STRAUB, Gilles** [FR/FR]; Thomson multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR). **DORE, Renaud** [FR/FR]; Thomson multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR). **BÜRKLIN, Helmut** [FR/FR]; Thomson multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR). **LOPEZ, Patrick** [FR/FR]; Thomson multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR). **DEMOULIN, Vincent** [FR/FR]; Thomson multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR).

(74) **KOHRS, Martin**; Thomson multimedia, 46, quai Alphonse Le Gallo, F–92648 Boulogne Cedex (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04J 3/16**

(11) **WO 99/55029** (13) A1

(21) PCT/US99/05341

(22) **11 Mar/mar 1999 (11.03.1999)**

(25) en (26) en

(30) 09/065,223 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF BALANCING AVAILABILITY OF COMMUNICATION LINKS IN COMMUNICATION SYSTEMS
• PROCEDE D'EQUILIBRAGE DE DISPONIBILITE DE LIENS DE COMMUNICATION DANS DES SYSTEMES DE COMMUNICATION

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **SKARIN, Dean, Thomas**; 1 University Circle, Hawthorn Woods, IL 60047 (US).

(74) **BELADI, Sayed, Hossain** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(81) BR JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04J 3/16, H04B 7/02**

(11) **WO 99/55030** (13) A1

(21) PCT/US99/08349

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 60/082,073 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A WIRELESS INTERNET ACCESS METHOD AND SYSTEM
• PROCEDE ET SYSTEME D'ACCES SANS FIL A INTERNET

(71) **TELCORDIA TECHNOLOGIES, INC.** [US/US]; 445 South Street, Morristown, NJ 07960–6438 (US).

(72) **LIBERTI, Joseph, C.**; 11 Spruce Hollow Drive, Howell, NJ 07731 (US). **BARTON, Melbourne**; 5 Riviera Drive, Somerville, NJ 08876 (US).

(74) **GIORDANO, Joseph** et al. / etc.; c/o International Coordinator, Rm. 1G112R, 445 South Street, Morristown, NJ 07960–6438 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04J 3/24, H04Q 11/04, G06F 13/00**

(11) **WO 99/55031** (13) A1

(21) PCT/US99/08724

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/063,198 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRAFFIC ROUTING IN SMALL WIRELESS DATA NETWORKS
• ACHEMINEMENT DE TRAFIC DANS DE PETITS RESEAUX INFORMATIQUES RADIO

(71) **SARNOFF CORPORATION** [US/US]; 201 Washington Road, CN5300, Princeton, NJ 08543–5300 (US).

(72) **STILLER, Thomas, Michael**; 56 Willis Drive, Ewing, NJ 08628–2020 (US). **STEPHENS, William, Edward**; 130 Matthews Farm Road, Belle Mead, NJ 08502 (US). **NEWMAN, Nisha, Pauline**; 1120 Staghorn Drive, North Brunswick, NJ 08902 (US).

(74) **BURKE, William, J.** et al. / etc.; Sarnoff Corporation, 201 Washington Road, CN5300, Princeton, NJ 08543–5300 (US).

(81) BR CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04J 3/26**

(11) **WO 99/55032** (13) A1

(21) PCT/US99/08372

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,377 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR IDENTIFYING PORTS AND FORWARDING PACKETS IN A MULTIPORT SWITCH
• PROCEDE ET SYSTEME POUR L'IDENTIFICATION D'ACCES ET LA TRANSMISSION DE PAQUETS DANS UN COMMUTATEUR A ACCES MULTIPLES

(71) **CABLETRON SYSTEMS, INC.** [US/US]; 35 Industrial Way, Rochester, NH 03866 (US).

(72) **FEROLITO, Philip, Arnold**; Apartment 3, 1228 Coronado Drive, Sunnyvale, CA 94086 (US). **PFILE, Robert, W.**; Unit 10, 777 San Antonio Road, Palo Alto, CA 94303 (US).

(74) **McHUGH, Terry** et al. / etc.; Law Offices of Terry McHugh, Suite 560, 101 First Street, Los Altos, CA 94022 (US).

(81) AU CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04J 13/00**

(11) **WO 99/55033** (13) A1

(21) PCT/JP99/02154

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) ja (26) ja

(30) 10/113581 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CDMA RECEIVER AND CDMA TRANSMITTER/RECEIVER
• RECEPTEUR AMDC ET EMETTEUR/RECEPTEUR AMDC

(71) **NTT MOBILE COMMUNICATIONS NETWORK INC.** [JP/JP]; 10–1, Toranomon 2–chome, Minato–ku, Tokyo 105–8436 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ABETA, Sadayuki** [JP/JP]; 4–18–4–102, Nobi, Yokosuka–shi, Kanagawa 239–0841 (JP). **SAWAHASHI, Mamoru** [JP/JP]; 1–59–17, Tomiokanishi, Kanazawa–ku, Yokohama–shi, Kanagawa 236–0052 (JP). **ADACHI, Fumiyuki** [JP/JP]; 6–12–4, Tomiokanishi, Kanazawa–ku, Kanagawa 236–0052 (JP).

(74) **TANI, Yoshikazu**; 6–20, Akasaka 2–chome, Minato–ku, Tokyo 107–0052 (JP).

(81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04J 13/06, H04B 1/713**

(11) **WO 99/55034** (13) A1

(21) PCT/EP99/02572

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 98440076.2 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RADIO TELECOMMUNICATION SYSTEM, BASE STATION AND MOBILE SUBSCRIBER TERMINAL WHICH EXCHANGE RADIO SIGNALS IN ACCORDANCE WITH A FREQUENCY HOPPING SEQUENCE
• SYSTEME DE TELECOMMUNICATION RADIO, STATION DE BASE ET TERMINAL D'ABONNE MOBILE QUI ECHANGENT DES SIGNAUX RADIO SELON UNE SEQUENCE DE SAUTS DE FREQUENCES

(71) **ALCATEL** [FR/FR]; 54, rue La Boétie, F–75008 Paris (FR).

(72) **KÜHN, Edgar, Wolfram**; Hauptstrasse 177c, D–70563 Stuttgart (DE). **BARTH, Ulrich**; Christophstrasse 20, D–70825 Münchingen (DE). **SPERBER, Christoph**; Gesellstrasse 58, D–75175 Pforzheim (DE). **DEBLANCS, Philippe**; 6 bis, rue d'Arsonval, F–75015 Paris (FR). **DUGAST, Xavier**; Appartement 131, 8, rue Auguste Renoir, F–72400 Chatou (FR).

(74) **BROSE, Gerhard** et al. / etc.; Alcatel, Intellectual Property Dept., Postfach 300 929, D–70449 Stuttgart (DE).

(81) AU JP.

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(51)[6] **H04J 14/00, G02B 6/34, H04B 10/14**

(11) **WO 99/55035** (13) A1

(21) PCT/US99/08352

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/063,758 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR OPTICAL MULTICHANNEL TRANSMISSION USING COHERENCE DIVISION MULTIPLEXING WITH OPTICAL FILTERING
• PROCEDE ET SYSTEME DESTINES A LA TRANSMISSION OPTIQUE MULTIVOIE AU MOYEN DU MULTIPLEXAGE PAR REPARTITION EN COHERENCE AVEC FILTRAGE OPTIQUE

(71) **OPTIMIGHT COMMUNICATIONS, INC.** [US/US]; 558 Cambridge Avenue, Palo Alto, CA 94306 (US).

(72) **FISHMAN, Ilya, M.**; 558 Cambridge Avenue, Palo Alto, CA 94306 (US).

(74) **FISHMAN, Bella**; Fishman Consulting, 558 Cambridge Avenue, Palo Alto, CA 94306 (US).

(81) CA IL JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04L**

(11) **WO 99/55036** (13) A2

(21) PCT/SE99/00605

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 9801335–2 **17 Apr/avr 1998** SE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHODS AND APPARATUSES FOR ALLOCATING TIME SLOTS TO CIRCUIT–SWITCHED CHANNELS
• PROCEDES ET APPAREILS POUR AFFECTER DES INTERVALLES TEMPORELS A DES CANAUX A COMMUTATION DE CIRCUITS

(71) **NET INSIGHT AB** [SE/SE]; Ingenjörsvägen 3, S–117 43 Stockholm (SE).
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(72, 75) **DANIELSON, Magnus** [SE/SE]; Kyrkvägen 3 A, S–182 74 Stocksund (SE). **LINDGREN, Per** [SE/SE]; Maria Prästgårdsgatan 12, S–118 52 Stockholm (SE). **WAHLUND, Thomas** [SE/SE]; Hammerstavägen 134, S–122 60 Enskede (SE).

(74) **AWAPATENT AB**; P.O. Box 45086, S–104 30 Stockholm (SE).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 1/00, H04N 1/44, G09C 5/00, H04L 9/00, 7/04**

(11) **WO 99/55037** (13) A1

(21) PCT/IL99/00208

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 124152 **21 Apr/avr 1998** IL **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCESS FOR TRANSMITTING, RECEIVING AND/OR STORING INFORMATION
• PROCEDE DE TRANSMISSION, DE RECEPTION ET/OU DE STOCKAGE D'INFORMATIONS

(71) **FONTECH LTD.** [IL/IL]; Shietrit Street 49, P.O. Box 5450, 84152 Beer–Sheva (IL).
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(72, 75) **NAAMAN, Gad** [IL/IL]; Psamon Street 33, 84734 Beer–Sheva (IL). **VORBOYOFF, Andrey** [IL/IL]; Asaf Street 10/10, 84496 Beer–Sheva (IL). **TASSA, Mendi** [IL/IL]; Habany Street 26, 96264 Jerusalem (IL).

(74) **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 7/00**

(11) **WO 99/55038** (13) A1

(21) PCT/GB99/01159

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 9808491.6 **21 Apr/avr 1998** GB **(21.04.1998)**

(30) 9812162.7 **5 Jun/juin 1998** GB **(05.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OPTICAL COMMUNICATIONS NETWORK
• RESEAU DE COMMUNICATIONS OPTIQUE

(71) **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **COTTER, David** [GB/GB]; 23 Moorfield Road, Woodbridge, Suffolk IP12 4JN (GB). **ELLIS, Andrew, David** [GB/GB]; 18 Bowland Drive, Ipswich, Suffolk IP8 3RW (GB).

(74) **WELLS, David**; BT Group Legal Services, Intellectual Property Dept., Holborn Centre, 8th floor, 120 Holborn, London EC1N 2TE (GB).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 9/32**

(11) **WO 99/55039** (13) A1

(21) PCT/US99/08612

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 09/062,836 **20 Apr/avr 1998 (20.04.1998)** US

(30) 09/062,837 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CRYPTOGRAPHIC TECHNIQUE FOR PROVIDING FAST ENCRYPTION AND DECRYPTION AND FOR PRODUCING A MESSAGE AUTHENTICATION CODE
• TECHNIQUE CRYPTOGRAPHIQUE ASSURANT UN CRYPTAGE ET UN DECRYPTAGE RAPIDE, ET POUVANT SERVIR A ETABLIR UN CODE D'AUTHENTIFICATION DE MESSAGES

(71) **MICROSOFT CORPORATION** [US/US]; One Microsoft Way, Redmond, WA 98052 (US).

(72) **JAKUBOWSKI, Mariusz, H.**; 15212 N.E. 16th Place #28, Bellevue, WA 98007 (US). **VENKATESAN, Ramarathnam**; 17208 N.E. 22nd Court, Redmond, WA 98052 (US).

(74) **MICHAELSON, Peter, L.**; Michaelson & Wallace, Parkway 109 Office Center, 328 Newman Springs Road, P.O. Box 8489, Red Bank, NJ 07701 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 12/12, 12/26, 12/56**

(11) **WO 99/55040** (13) A1

(21) PCT/AU99/00297

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) PP 3082 **20 Apr/avr 1998 (20.04.1998)** AU

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ACCESS CONTROL METHOD AND APPARATUS
• PROCEDE ET DISPOSITIF DE COMMANDE D'ACCES

(71) **ERICSSON AUSTRALIA PTY. LTD.** [AU/AU]; 61 Riggall Street, Broadmeadows, VIC 3047 (AU). **ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY** [AU/AU]; 124 LaTrobe Street, Melbourne, VIC 3000 (AU).
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(72, 75) **RUMSEWICZ, Michael, Peter** [AU/AU]; 34 Renwick Street, Glen Iris, VIC 3146 (AU). **CASTRO, Maurice, David** [AU/AU]; 3/26 Powell Street, South Yarra, VIC 3141 (AU).

(74) **CARTER SMITH & BEADLE**; Qantas House, 2 Railway Parade, P.O. Box 557, Camberwell, VIC 3124 (AU).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 12/18, 12/56**

(11) **WO 99/55041** (13) A1

(21) PCT/US99/06202

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) en (26) en

(30) 09/063,498 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR USING RANKING TO SELECT REPAIR NODES
• PROCEDE ET APPAREIL UTILISANT LA HIERARCHISATION AFIN DE SELECTIONNER DES NOEUDS DE REPARATION

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, MS PAL1–521, Palo Alto, CA 94303 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WESLEY, Joseph** [–/US]; 21 Trevore Street, Quincy, MA 02171 (US). **HURST, Stephen, A.** [–/US]; 8 Dora Street, Nashua, NH 03060 (US). **KADANSKY, Miriam, C.** [–/US]; 165 Westview Drive, Westford, MA 01886 (US). **HANNA, Stephen, R.** [–/US]; 3 Beverly Road, Bedford, MA 01730 (US). **ROSENZWEIG, Philip, M.** [–/US]; 26 Marshall Path, Acton, MA 01720 (US). **CHIU, Dah, Ming** [–/US]; 736 Main Street, Acton, MA 01720 (US). **PERLMAN, Radia, J.** [–/US]; 10 Huckleberry Lane, Acton, MA 01720 (US).

(74) **HOLLINGER, Joseph, K.** et al. / etc.; Graham & James LLP, 600 Hansen Way, Palo Alto, CA 94304–1043 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 12/18**

(11) **WO 99/55042** (13) A1

(21) PCT/US99/07750

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/061,849 **18 Apr/avr 1998 (18.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR ESTABLISHING A MULTICAST MESSAGE DELIVERY ERROR RECOVERY TREE IN A DIGITAL NETWORK
• SYSTEME ET PROCEDE PERMETTANT D'ETABLIR UN ARBRE DE RECOUVREMENT D'ERREUR DE DISTRIBUTION DE MESSAGE MULTIDESTINATAIRE DANS UN RESEAU NUMERIQUE

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, Palo Alto, CA 94303 (US).

(72) **CHIU, Dah, Ming**; 736 Main Street, Acton, MA 01720 (US). **KADANSKY, Miriam**; 165 Westview Drive, Westford, MA 01886 (US). **PERLMAN, Radia, J.**; 10 Huckleberry Lane, Acton, MA 01720 (US).

(74) **HOOVER, George, W.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025–1026 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 12/22**

(11) **WO 99/55043** (13) A1

(21) PCT/US99/06289

(22) **25 Mar/mar 1999 (25.03.1999)**

(25) en (26) en

(30) 09/062,626 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBSCRIBER UNIT AND METHOD FOR LINKING A MESSAGE TO AN APPLICATION
• UNITE D'ABONNE ET PROCEDE DE LIAISON D'UN MESSAGE A UNE APPLICATION

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **FARIS, Randi, Weitzen**; 701 N.W. 5th Street, Boca Raton, FL 33486 (US). **GEARHART, Therese, M.**; 1005 Brooks Lane, Delray Beach, FL 33483 (US).

(74) **NICHOLS, Daniel, K.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1500 Gateway Boulevard, Boynton Beach, FL 33426–8292 (US).

(81) CA CN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04L 12/24**

(11) **WO 99/55044** (13) A1

(21) PCT/CH99/00138

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) de (26) de

(30) 921/98 **22 Apr/avr 1998** CH **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FLEXIBLE ADAPTER AND AN ADAPTATION METHOD
• ADAPTATEUR SOUPLE ET PROCEDE D'ADAPTATION

(71) **SIEMENS SCHWEIZ AG** [CH/CH]; Patente, Albisriederstrasse 245, Postfach, CH–8047 Zürich (CH).

(72) **BIETENHOLZ, Philippe**; 29, rue des 4 Fontaines, CH–1278 La Rippe (CH). **FAVRE, Pascal**; 60, route de St.–Lögier, CH–1800 Vevey (CH). **GONCALVES, Alvaro**; CH–1359 Rances (CH). **JÄGGI, Peter**; Berggasse 5, CH–5742 Kölliken (CH). **POLLA, Patrick**; 61, avenue d'Echallens, CH–1004 Lausanne (CH). **RODEL, Martin**; Blumwenweg 10, CH–4852 Rothrist (CH). **SUTTER, Thomas**; Häberlig 64, CH–4624 Härkingen (CH).

(81) AU NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04L 12/28, 12/56, 12/43**

(11) **WO 99/55045** (13) A1

(21) PCT/US98/15409

(22) **24 Jul/juil 1998 (24.07.1998)**

(25) en (26) en

(30) 09/062,524 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND DEVICE FOR DYNAMIC SYNCHRONOUS TRANSFER MODE IN A DUAL RING TOPOLOGY
• PROCEDE ET DISPOSITIF POUR MODE DE TRANSFERT SYNCHRONE DYNAMIQUE DANS UNE TOPOLOGIE A DOUBLE ANNEAU

(71) **DYNARC INC. doing business as DYNAMIC NETWORK ARCHITECTURE INC. IN CA** [US/US]; 1887 Landings Drive, Mountain View, CA 94043 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAMFELT, Lars, Hakan** [SE/US]; 960 N. California Avenue, Palo Alto, CA 94303 (US). **HIDELL, Lars, Markus** [SE/SE]; Kyrkvagen 38, S–181 42 Lidingo (SE).

(74) **FASTH, Rolf**; Fasth Law Offices, One World Trade Center #1100, 121 S.W. Salmon Street, Portland, OR 97204 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 12/56, H04N 7/26**

(11) **WO 99/55046** (13) A1

(21) PCT/GB99/01197

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 98303022.2 **20 Apr/avr 1998** EP **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DATA STORAGE AND SUPPLY
• MEMORISATION ET APPORT DE DONNEES

(71) **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WILLIS, Ben** [GB/GB]; 8 Hougton Place, Rushmere St. Andrew, Ipswich, Suffolk IP4 5UX (GB). **BEAUMONT, David, Owen** [GB/GB]; 48 Westland, Martlesham Heath, Ipswich, Suffolk IP5 3SU (GB).

(74) **GARRISON, Christopher, Sinclair**; BT Group Legal Services, Intellectual Property Dept., 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (GB).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04L 27/01**

(11) **WO 99/55047** (13) A1

(21) PCT/US99/08423

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/061,880 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BLIND ADAPTIVE EQUALIZATION USING COST FUNCTION
• EGALISATION ADAPTATIVE AVEUGLE A FONCTION DE COUT

(71) **TRUSTEES OF TUFTS COLLEGE** [US/US]; Ballou Hall, Medford, MA 02155 (US).

(72) **NOONAN, Joseph, Patrick**; 1–1/2 Robinson Road, Westford, MA 01886 (US). **GUVELIOGLU, Ilyas, Berk**; 15190 Prestonwood Boulevard #736, Dallas, TX 75248 (US). **NATARAJAN, Premkumar**; Apartment 316, Brentwood Manor, 60 Pleasant Street, Arlington, MA 02174 (US).

(74) **HJORTH, Beverly, E.** et al. / etc.; Weingarten, Schurgin, Gagnebin & Hayes LLP, Ten Post Office Square, Boston, MA 02109 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04L 27/20**

(11) **WO 99/55048** (13) A1

(21) PCT/FI99/00312

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) sv (26) en

(30) 980861 **17 Apr/avr 1998** FI **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND AN ARRANGEMENT FOR MODULATING A SIGNAL
• PROCEDE ET SYSTEME DE MODULATION D'UN SIGNAL

(71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; Keilalahdentie 4, FIN–02150 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PIIRAINEN, Olli** [FI/FI]; Pikisaarentie 1 E 11, FIN–90100 Oulu (FI).

(74) **PATENTTITOIMISTO TEKNOPOLIS KOLSTER OY**; c/o Kolster OY AB, Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (FI).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 29/06, H04N 7/173**

(11) **WO 99/55049** (13) A1

(21) PCT/CA99/00316

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/062,969 **21 Apr/avr 1998 (21.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SERVER FOR HANDLING MULTIMODAL INFORMATION
• SERVEUR POUVANT GERER DES INFORMATIONS MULTIMODALES

(71) **NORTHERN TELECOM LIMITED** [CA/CA]; World Trade Centre of Montreal, 8th floor, 380 St. Antoine Street West, Montreal, Quebec H2Y 3Y4 (CA).

(72) **PASTERNACK, Henry, Adam**; 762 Canora Road, Ville Mont–Royal, Quebec H3P 2J1 (CA). **FUMAI, Nicola**; 3–7416 Marguette Street, Montreal, Quebec H2E 2E1 (CA). **FERRERO, Daniel**; 4888 Hutchison Street, Montreal, Quebec H2V 4A3 (CA).

(74) **SMITH, Dallas, F.**; Northern Telecom Limited, Patent Dept., P.O. Box 3511, Station "C", Ottawa, Ontario K1Y 4H7 (CA).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04L 29/06**

(11) **WO 99/55050** (13) A1

(21) PCT/CH98/00148

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) de (26) de

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DATA DISTRIBUTION SYSTEM AND A DATA DISTRIBUTION METHOD
• SYSTEME DE DIFFUSION DE DONNEES ET PROCEDE POUR DIFFUSER DES DONNEES

(71) **SWISSCOM AG** [CH/CH]; Viktoriastrasse 21, CH–3050 Bern (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEUTSCHI, Walter** [CH/CH]; Jungfrauweg 8, CH–3303 Jegensdorf (CH). **RITTER, Rudolf** [CH/CH]; Rossweidweg 8, CH–3052 Zollikofen (CH). **BOUQUET, Hanspeter** [CH/CH]; Kappelenring 49 A, CH–3032 Hinterkappelen (CH).

(74) **BOVARD AG**; Optingenstrasse 16, CH–3000 Bern 25 (CH).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **H04L 29/06**

(11) **WO 99/55051** (13) A1

(21) PCT/EP99/02758

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 1008922 **17 Apr/avr 1998 (17.04.1998)** NL

(30) 98202203.0 **30 Jun/juin 1998 (30.06.1998)** EP

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIMEDIA SUBSCRIBER NETWORK
• RESEAU D'ABONNES MULTIMEDIA

(71) **KONINKLIJKE KPN N.V.** [NL/NL]; Stationsplein 7, NL–9726 AE Groningen (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WENTINK, Maarten, Menzo** [NL/NL]; Valkenboslaan 36, NL–2563 CL Den Haag (NL). **HERMANS, Joost** [NL/NL]; Tintorettostraat 4–1h, NL–1077 RS Amsterdam (NL).

(74) **KLEIN, Bart**; Koninklijke KPN N.V., P.O. Box 95321, NL–2509 CH The Hague (NL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 29/06, 12/22, G07C 9/00**

(11) **WO 99/55052** (13) A1

(21) PCT/US99/06206

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) en (26) en

(30) 09/063,630 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR USING DIGITAL SIGNATURES TO FILTER PACKETS IN A NETWORK
• PROCEDE ET APPAREIL UTILISANT DES SIGNATURES NUMERIQUES POUR FILTRER DES PAQUETS DANS UN RESEAU

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, MS PAL01–521, Palo Alto, CA 94303 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GUPTA, Amit** [–/US]; 901 San Antonio Road, Palo Alto, CA 94303 (US). **PERLMAN, Radia, J.** [–/US]; 10 Huckleberry Lane, Acton, MA 01720 (US).

(74) **HOLLINGER, Joseph, K.** et al. / etc.; Graham & James LLP, 600 Hansen Way, Palo Alto, CA 94304–1043 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 29/06, 12/18**

(11) **WO 99/55053** (13) A1

(21) PCT/US99/06386

(22) **23 Mar/mar 1999 (23.03.1999)**

(25) en (26) en

(30) 09/062,882 **20 Apr/avr 1998 (20.04.1998)** US

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ADMINISTRATIVE CONTROL USING DYNAMIC FILTERING IN A MULTICAST NETWORK
• CONTROLE ADMINISTRATIF UTILISANT UN FILTRAGE DYNAMIQUE DANS UN RESEAU A DIFFUSION SELECTIVE

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, MS PAL1–521, Palo Alto, CA 94303 (US).

(72) **ROSENZWEIG, Phil**; 26 Marshall Path, Acton, MA 01720 (US). **KADANSKY, Miriam**; 165 Westview Drive, Westford, MA 01886 (US).

(74) **HOLLINGER, Joseph, K.** et al. / etc.; Graham & James LLP, 600 Hansen Way, Palo Alto, CA 94304–1043 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

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(51)[6] **H04L 29/06, 12/18, 12/56**

(11) **WO 99/55054** (13) A1

(21) PCT/US99/06997

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) 09/063,637 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND APPARATUS FOR SENDER INITIATED PRUNING OF SLOW RECEIVERS IN A MULTICAST DATA DISTRIBUTION SET–UP
• METHODE ET DISPOSITIF PERMETTANT A UN ENVOYEUR D'ELAGUER DES RECEPTEURS LENTS DANS UN SYSTEME A DISTRIBUTION SELECTIVE

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, MS PAL1–521, Palo Alto, CA 94303 (US).

(72) **HURST, Stephen, A.**; 8 Dora Street, Nashua, NH 03060 (US). **WESLEY, Joseph**; 21 Trevore Street, Quincy, MA 02171 (US). **HANNA, Stephen, R.**; 3 Beverly Road, Bedford, MA 01730 (US). **KADANSKY, Miriam, C.**; 165 Westview Drive, Westford, MA 01886 (US). **ROSENZWEIG, Philip, M.**; 26 Marshall Path, Acton, MA 01720 (US).

(74) **HOLLINGER, Joseph, K.** et al. / etc.; Graham & James LLP, 600 Hansen Way, Palo Alto, CA 94304–1043 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04L 29/06, G06G 1/00**

(11) **WO 99/55055** (13) A1

(21) PCT/US99/08196

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 09/061,493 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM FOR KEYING PROTECTED ELECTRONIC DATA TO PARTICULAR MEDIA TO PREVENT UNAUTHORIZED COPYING
• SYSTEME DE CLE DE DONNEES ELECTRONIQUES PROTEGEES SUR UN SUPPORT PARTICULIER DE MANIERE A EMPECHER UNE REPRODUCTION ILLICITE

(71) **IOMEGA CORPORATION** [US/US]; 1821 West Iomega Way, Roy, UT 84067 (US).

(72) **KUPKA, Michael, S.**; 4521 Kenbrook Drive, Nacogdoches, TX 75961 (US). **HAWKINS, Michael, L.**; 1324 Pruitt Drive #914, Nacogdoches, TX 75961 (US). **THOMAS, Trent, M.**; 1758 Hillside Circle, Ogden, UT 84403 (US).

(74) **KURTZ, Richard, E.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).

(81) CA JP SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04L 29/12**

(11) **WO 99/55056** (13) A1

(21) PCT/US99/08759

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 09/064,739 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR NETWORK ADDRESS TRANSLATION AS AN EXTERNAL SERVICE IN THE ACCESS SERVER OF A SERVICE PROVIDER
• SYSTEME ET PROCEDE DE TRANSLATION D'ADRESSES RESEAU COMME SERVICE EXTERNE DANS LE SERVEUR D'ACCES D'UN FOURNISSEUR DE SERVICES

(71) **LUCENT TECHNOLOGIES REMOTE ACCESS BUSINESS UNIT** [US/US]; 4464 Willow Road, Pleasanton, CA 94588–8519 (US).

(72) **SRISURESH, Pyda**; 849 Erie Circle, Milpitas, CA 95035 (US). **WILLENS, Steven, M.**; 2839 Vizzolini Court, Pleasanton, CA 94566 (US).

(74) **SOKOHL, Robert, E.** et al. / etc.; Sterne, Kessler, Goldstein & Fox P.L.L.C., Suite 600, 1100 New York Avenue, N.W., Washington, DC 20005–3934 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M**

(11) **WO 99/55057** (13) A2

(21) PCT/NO99/00124

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) no (26) en

(30) 19981723 **16 Apr/avr 1998** NO **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A SYSTEM FOR SUPERVISION AND CONTROL OF OBJECTS OR PERSONS
• SYSTEME POUR LA SUPERVISION D'OBJETS OU DE PERSONNES

(71) **FILETRAC A/S** [NO/NO]; Forskningsveien 1, N–0314 Oslo (NO).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOVIND, Ole, B.** [NO/NO]; Ostadalsv. 60, N–0753 Oslo (NO). **SANDMÆL, Eric** [NO/NO]; Prinsensgt. 9, N–3290 Stavern (NO).

(74) **TANDBERGS PATENTKONTOR A/S**; Boks 7085, N–0306 Oslo (NO).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 1/00, 1/56, 3/00, 11/00, 15/06**

(11) **WO 99/55058** (13) A1

(21) PCT/IL99/00206

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 124117 **16 Apr/avr 1998** IL **(16.04.1998)**

(30) 128324 **1 Feb/fév 1999** IL **(01.02.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PERSONALIZED INFORMATION SYSTEM
• SYSTEME D'INFORMATIONS PERSONNALISEES

(71) **SYNERGETICS, LTD.** [IL/IL]; P.O. Box 12693, 46733 Herzelia Pituah (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SARIG, Ehud** [IL/IL]; Miromit Street 306, 71908 Makabim (IL). **DANINO, Ofer** [IL/IL]; Hagoren Street 7, 30300 Atlit (IL).

(74) **FENSTER, Paul** et al. / etc.; Fenster & Company Patent Attorneys, Ltd., P.O. Box 10256, 49002 Petach Tikva (IL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 1/02**

(11) **WO 99/55059** (13) A1

(21) PCT/FI99/00179

(22) **8 Mar/mar 1999 (08.03.1999)**

(25) fi (26) en

(30) U980197 **22 Apr/avr 1998** FI **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOBILE PHONE AND ITS AUXILIARY DEVICE
• TELEPHONE MOBILE AVEC ACCESSOIRE

(71) **C3 SUUNNITTELU OY** [FI/FI]; Tykistökatu 4 D 4 krs., FIN–20520 Turku (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOIVISTO, Matti, Tapio** [FI/FI]; Pormestarinkatu 6 B 62, FIN–20750 Turku (FI). **PERÄLÄ, Jyri, Petri** [FI/FI]; Vanha Turuntie 8, FIN–21530 Paimio (FI). **TÖYKKÄLÄ, Ari–Pekka** [FI/FI]; Koulukatu 23 D 78, FIN–20100 Turku (FI).

(74) **TURUN PATENTTITOIMISTO OY**; P.O. Box 99, FIN–20521 Turku (FI).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 1/02, G06F 3/033**

(11) **WO 99/55060** (13) A1

(21) PCT/SE99/00616

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 9801379–0 **21 Apr/avr 1998** SE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INPUT DEVICE AND METHOD OF ENTERING DATA INTO AN ELECTRONIC APPARATUS
• DISPOSITIF D'INTRODUCTION ET PROCEDE D'ENTREE DE DONNEES DANS UN APPAREIL ELECTRONIQUE

(71) **TELEFONAKTIEBOLAGET LM ERICSSON** [SE/SE]; S–126 25 Stockholm (SE).

(72) **BJÖRKENGREN, Ulf**; Näktergalsvägen 26, S–237 34 Bjärred (SE).

(74) **STRÖM, Tore** et al. / etc.; Ström & Gulliksson AB, P.O. Box 4188, S–203 13 Malmö (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 1/24, 3/42, 7/00, 1/00**

(11) **WO 99/55061** (13) A1

(21) PCT/US99/07019

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 60/082,730 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/266,724 **12 Mar/mar 1999** US **(12.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CALL PROCESSING SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT
• SYSTEME DE TRAITEMENT D'APPELS, PROCEDE ET PROGRAMME INFORMATIQUE

(71) **TOUCH TONE TECHNOLOGIES INC.** [US/US]; Suite 200, 1 Lincoln Place, 1900 Glades Road, Boca Raton, FL 33431 (US).

(72) **AMICK, John, Kenneth**; 980 N.W. 49th Way, Coconut Creek, FL 33066 (US).

(74) **ZOLTICK, Martin, M.** et al. / etc.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Suite 400, 1755 Jefferson Davis Highway, Arlington, VA 22202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 1/24, 3/42, 7/00**

(11) **WO 99/55062** (13) A1

(21) PCT/US99/08855

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,620 **22 Apr/avr 1998** US **(22.04.1998)**

(30) 09/295,425 **20 Apr/avr 1999** US **(20.04.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR INTERCEPTING AND MONITORING SIGNALS IN A NETWORK
• PROCEDE ET SYSTEME PERMETTANT D'INTERCEPTER ET DE CONTROLER LES SIGNAUX DANS UN RESEAU

(71) **GTE GOVERNMENT SYSTEMS CORPORATION** [US/US]; 1209 Orange Street, Wilmington, DE 19801 (US).

(72) **COX, David, L.**; Strata Aviator Emil Micea Zorileanu #93A, apt 2, Bucharest (RO).

(74) **SUCHYTA, Leonard, Charles** et al. / etc.; GTE Service Corporation, 600 Hidden Ridge, HQE03G13, Irving, TX 75038 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 1/57, 7/00, G09G 5/00, H04Q 3/72, 7/08**

(11) **WO 99/55063** (13) A1

(21) PCT/US99/08210

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 09/061,926 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A METHOD AND SYSTEM FOR CALL TRACING
• PROCEDE ET SYSTEME PERMETTANT DE SUIVRE UN APPEL

(63) US 09/061,926 (CON)
17 Apr/avr 1998 (17.04.1998)

(71) **AMERITECH CORPORATION** [US/US]; 2000 West Ameritech Center Drive, Hoffman Estates, IL 60196–1025 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FELLNER, Paul, W.** [US/US]; 743 Regency Park Drive, Crystal Lake, IL 60014 (US). **LANGDON, James, F.** [US/US]; N65 W33565 Prairieview Lane, Oconomowoc, WI 53066 (US).

(74) **WHITE, Jason, C.**; Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 1/64**

(11) **WO 99/55064** (13) A1

(21) PCT/US99/07762

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 09/062,428 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TELEPHONE TERMINAL APPARATUS AND METHOD
• APPAREIL ET PROCEDE DE BORNE TELEPHONIQUE

(63) US 09/062,428 (CON)
17 Apr/avr 1998 (17.04.1998)

(71) **AMERITECH CORPORATION** [US/US]; 2000 W. Ameritech Center Drive, Hoffman Estates, IL 60196–1025 (US).
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(72, 75) **LIPTON, Marc, Ira** [US/US]; One Devonshire Lane, Lincolnshire, IL 60069 (US). **GOURDINE, Robert, Derrick** [US/US]; 607 Wintergreen Circle, Naperville, IL 60540 (US).

(74) **HETZ, Joseph, F.**; Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 1/72, 3/42, 9/02**

(11) **WO 99/55065** (13) A1

(21) PCT/US98/08019

(22) **20 Apr/avr 1998 (20.04.1998)**

(25) en (26) en

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TELEPHONE CONTROL MODULE AND USER SITE NETWORK AND METHODS OF OPERATION
• MODULE DE COMMANDE TELEPHONIQUE ET RESEAU DE SITES UTILISATEUR ET PROCEDES DE FONCTIONNEMENT

(71) **MATTHEWS COMMUNICATIONS MANAGEMENT, INC.** [US/US]; Suite 339, 3925 West Braker Lane, Austin, TX 78759–5321 (US).

(72) **MATTHEWS, Gordon, H.**; 39 Glen Rock Drive, Austin, TX 78738 (US).

(74) **MILLS, Jerry, W.**; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201–2980 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(51)[6] **H04M 3/00**

(11) **WO 99/55066** (13) A1

(21) PCT/US99/08102

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/062,041 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TELEPHONE CALL MANAGEMENT SOFTWARE AND INTERNET MARKETING METHOD
• LOGICIEL DE GESTION D'APPEL TELEPHONIQUE ET PROCEDE DE MARKETING SUR INTERNET

(71, 72) **ZETMEIR, Karl, D.** [US/US]; 11909 Blue Jacket, Overland Park, KS 66213 (US).

(74) **LUEBBERING, Thomas, B.**; Hovey, Williams, Timmons & Collins, Suite 400, 2405 Grand Boulevard, Kansas City, MO 64108 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04M 3/42**

(11) **WO 99/55067** (13) A1

(21) PCT/FI99/00325

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) fi (26) en

(30) 980878 **21 Apr/avr 1998** FI **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR SUBMITTING USER PROFILES TO A TELECOMMUNICATIONS NETWORK
• PROCEDE DE TRANSMISSION DE PROFILS UTILISATEURS A UN RESEAU DE TELECOMMUNICATIONS

(71) **HELSINGIN PUHELIN OYJ – HELSINGFORS TELEFON ABP** [FI/FI]; Korkeavuorenkatu 35 – 37, FIN–00130 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JUHOLA, Arto** [FI/FI]; Helsinginkatu 9 B 36, FIN–00500 Helsinki (FI).

(74) **SEPPO LAINE OY**; Itämerenkatu 3 B, FIN–00180 Helsinki (FI).

(81) DE NO SE US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04M 3/42**

(11) **WO 99/55068** (13) A1

(21) PCT/JP98/01853

(22) **22 Apr/avr 1998 (22.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CONNECTION MANAGEMENT SERVICING METHOD FOR COMMUNICATION CHANNEL
• PROCEDE POUR SERVICE DE GESTION DE CONNEXION POUR CANAL DE COMMUNICATION

(71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2–3, Marunouchi 2–chome, Chiyoka–ku, Tokyo 100–8310 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMADA, Yoshiko** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).

(74) **SOGA, Michiteru** et al. / etc.; S. Soga & Co., Kokusai Building, 8th floor, 1–1, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).

(81) CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04M 11/06, H04N 1/00**

(11) **WO 99/55069** (13) A1

(21) PCT/EP99/01284

(22) **27 Feb/fév 1999 (27.02.1999)**

(25) de (26) de

(30) 198 17 007.6 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR UTILIZING DIGITAL DATA NETWORKS FOR THE TRANSMISSION OF DATA VIA VOICE CONNECTION PATHS
• PROCEDE D'UTILISATION DE RESEAUX INFORMATIQUES LORS DE LA TRANSMISSION DE DONNEES PAR L'INTERMEDIAIRE DE VOIES DE COMMUNICATION VOCALES

(71) **DEUTSCHE TELEKOM AG** [DE/DE]; Friedrich–Ebert–Allee 140, D–53113 Bonn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DASSOW, Heiko** [DE/DE]; Gartenstrasse 4, D–64347 Griesheim (DE). **ZEFFLER, Klaus–Peter** [DE/DE]; Randweg 44, D–64297 Darmstadt (DE).

(74) **DEUTSCHE TELEKOM AG**; Technologiezentrum, Patentabteilung EK03, D–64307 Darmstadt (DE).

(81) CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

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(51)[6] **H04N**

(11) **WO 99/55070** (13) A2

(21) PCT/IB99/00638

(22) **12 Apr/avr 1999 (12.04.1999)**

(25) en (26) en

(30) 98201293.2 **22 Apr/avr 1998** EP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MANAGEMENT OF FUNCTIONALITY IN A CONSUMER ELECTRONICS SYSTEM
• GESTION D'UNE FONCTIONNALITE DANS UN SYSTEME ELECTRONIQUE DE CONSOMMATEUR

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **ZONDAG, Eduard, G.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **HOEKSTRA, Jelle**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N**

(11) **WO 99/55071** (13) A2

(21) PCT/IB99/00720

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 98201293.2 **22 Apr/avr 1998** EP **(22.04.1998)**

(30) 98204053.7 **1 Dec/déc 1998** EP **(01.12.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MANAGEMENT OF FUNCTIONALITY IN A CONSUMER ELECTRONICS SYSTEM
• GESTION DES FONCTIONNALITES DANS UN SYSTEME ELECTRONIQUE GRAND PUBLIC

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).
(for all designated States except / pour tous les États désignés sauf US)

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72, 75) **ZONDAG, Eduard, G.** [NL/NL]; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **HOEKSTRA, Jelle**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N**

(11) **WO 99/55072** (13) A2

(21) PCT/SE99/00578

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 19981830 **23 Apr/avr 1998** NO **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR IMPROVING TRANSMISSION BETWEEN TERMINALS IN A TELECOMMUNICATION SYSTEM
• PROCEDE AMELIORANT LA TRANSMISSION ENTRE DES CONNEXIONS DANS UN SYSTEME DE TELECOMMUNICATIONS

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **HAUGEN, Öystein**; Kantorveien 15 B, N–1410 Kolbotn (NO). **IVERSEN, Frank, Lund**; Vinterkroken 7, N–1364 Hvalstad (NO). **GUNDERSEN, Bente, Björngård**; Gravdalsveien 11, N–0756 Oslo (NO). **RÖDSETH, Eldor**; Nedre Hön Terrasse 7, N–1370 Asker (NO).

(74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., S–164 80 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 1/387**

(11) **WO 99/55073** (13) A1

(21) PCT/JP99/01835

(22) **5 Apr/avr 1999 (05.04.1999)**

(25) ja (26) ja

(30) 10/109899 **20 Apr/avr 1998** JP **(20.04.1998)**

(30) 10/319674 **11 Nov/nov 1998** JP **(11.11.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MEDIUM ON WHICH PRINTING CONTROL PROGRAM IS RECORDED, PRINTING CONTROLLER, AND PRINTING CONTROLLING METHOD
• SUPPORT D'ENREGISTREMENT DE PROGRAMMES DE COMMANDE D'IMPRESSION, CONTROLEUR D'IMPRESSION, ET PROCEDE DE COMMANDE DE L'IMPRESSION

(71) **SEIKO EPSON CORPORATION** [JP/JP]; 4–1, Nishi–shinjuku 2–chome, Shinjuku–ku, Tokyo 163–0811 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUWATA, Naoki** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano–ken 392–8502 (JP). **NAKAMI, Yoshihiro** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano–ken 392–8502 (JP). **NITTA, Takashi** [JP/JP]; Seiko Epson Corporation, 3–5, Owa 3–chome, Suwa–shi, Nagano–ken 392–8502 (JP).

(74) **YOKOI, Toshiyuki**; Yokoi Naigaikoku Tokkyo Jimusho, EBS Building, 6–27, Marunouchi 3–chome, Naka–ku, Nagoya–shi, Aichi 460–0002 (JP).

(81) US; EP (DE FR GB).

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(51)[6] **H04N 1/40**

(11) **WO 99/55074** (13) A1

(21) PCT/JP98/01785

(22) **17 Apr/avr 1998 (17.04.1998)**

(25) ja (26) ja

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COLOR GAMUT COMPRESSION METHOD AND COLOR GAMUT COMPRESSION DEVICE
• PROCEDE DE COMPRESSION DE LA GAMME DE COULEURS, ET DISPOSITIF DE COMPRESSION ASSOCIE

(71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKAHASHI, Mariko** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **SAITO, Masayuki** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **SATO, Tsuneo** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).

(74) **TAZAWA, Hiroaki** et al. / etc.; 4F, Kasumigaseki IHF Building, 5–1, Kasumigaseki 3–chome, Chiyoda–ku, Tokyo 100–0013 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 1/415, 1/64**

(11) **WO 99/55075** (13) A1

(21) PCT/DE99/01016

(22) **3 Apr/avr 1999 (03.04.1999)**

(25) de (26) de

(30) 198 17 720.8 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR COMPRESSING IMAGE DATA FOR BICOLOR IMAGES
• PROCEDE DE COMPRESSION DE DONNEES D'IMAGES POUR IMAGES BICOLORES

(71) **HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT** [DE/DE]; Kurfürsten–Anlage 52–60, D–69115 Heidelburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEINHOLZ, Peter** [DE/DE]; Düppelstrasse 13, D–24105 Kiel (DE). **SIEMSEN, Eike** [DE/DE]; Hamburger Chaussee 34, D–24113 Kiel (DE).

(74) **HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT**; TPT – R4, Preuss, Dieter, Siemenswall, D–24107 Kiel (DE).

(81) CN IL JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 3/02, 3/36, 5/253**

(11) **WO 99/55076** (13) A1

(21) PCT/US99/08810

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) en (26) en

(30) 60/082,811 **23 Apr/avr 1998** US **(23.04.1998)**

(30) 09/181,754 **29 Oct/oct 1998** US **(29.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • A DEVICE FOR VIEWING A PHOTOGRAPHIC IMAGE THROUGH A TELEVISION SET
• APPAREIL POUR VISUALISER UNE IMAGE PHOTOGRAPHIQUE SUR UN ECRAN DE TELEVISION

(71) **TV PHOTO VIEWERS, INC.** [US/US]; P.O. Box 503, Rye, NH 03870 (US).

(72) **KEEFE, David, W.**; 1304 Ocean Boulevard, Rye, NH 03870 (US).

(74) **WINTER, Gene, S.** et al. / etc.; St. Onge Steward Johnston & Reens LLC, 986 Bedford Street, Stamford, CT 06905–5619 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 3/16, 3/23**

(11) **WO 99/55077** (13) A1

(21) PCT/JP99/02117

(22) **21 Apr/avr 1999 (21.04.1999)**

(25) ja (26) ja

(30) 10/111051 **21 Apr/avr 1998** JP **(21.04.1998)**

(30) 10/111052 **21 Apr/avr 1998** JP **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HORIZONTAL DEFLECTION CIRCUIT
• CIRCUIT DE DEVIATION HORIZONTAL

(71) **SONY CORPORATION** [JP/JP]; 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIKUCHI, Ken** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **WATANABE, Junzo** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **HONJI, Hidetaka** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(74) **MATSUKUMA, Hidemori**; Shinjuku Building, 8–1, Nishishinjuku 1–chome, Shinjuku–ku, Tokyo 160–0023 (JP).

(81) KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 5/14**

(11) **WO 99/55078** (13) A1

(21) PCT/JP99/01978

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 10/107584 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • FALSE CONTOUR CORRECTING APPARATUS AND METHOD
• APPAREIL ET PROCEDE DE CORRECTION DE FAUX CONTOUR

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAWABATA, Minoru** [JP/JP]; 3–16–12–507, Tsukahara, Takatsuki–shi, Osaka 569–1046 (JP). **KAGEYAMA, Atsuhisa** [JP/JP]; 1–5–5–505, Tenno, Ibaraki–shi, Osaka 567–0876 (JP). **TAKESHIMA, Masahiro** [JP/JP]; 3–15–103–502, Kamihamuro, Takatsuki–shi, Osaka 569–1044 (JP).

(74) **OGASAWARA, Shiro**; Daisan–Longev' Building, 3–11, Enokicho, Suita–shi, Osaka 564–0053 (JP).

(81) BR CN ID KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 5/21, 5/213, 5/217, 7/08, 7/084, 7/087**

(11) **WO 99/55079** (13) A1

(21) PCT/US99/05366

(22) **11 Mar/mar 1999 (11.03.1999)**

(25) en (26) en

(30) 09/066,741 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • HOST–BASED ANTI–GHOSTING OF TELETEXT DATA BASED ON NON–OVERSAMPLED DATA
• ANTIDOUBLEMENT D'IMAGE AU RECEPTEUR HOTE DE DONNEES TELETEXTE, BASE SUR DES DONNEES NON SURECHANTILLONNEES

(71) **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CAHILL, Benjamin, M., III** [US/US]; 353 Rileyville Road, Ringoes, NJ 08551 (US).

(74) **TAYLOR, Edwin, H.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 5/213**

(11) **WO 99/55080** (13) A1

(21) PCT/FR99/00864

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) fr (26) fr

(30) 98/04865 **17 Apr/avr 1998** FR **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND EQUIPMENT FOR DETECTING AND CORRECTING IMPULSIVE FAULTS IN A DIGITAL VIDEO SEQUENCE IMAGE
• PROCEDE ET EQUIPEMENT DE DETECTION ET DE CORRECTION DE DEFAUTS IMPULSIFS DANS UNE IMAGE DE SEQUENCE VIDEO NUMERIQUE

(71) **INA – INSTITUT NATIONAL DE L'AUDIOVISUEL (EPIC)** [FR/FR]; 4, avenue de l'Europe, F–94366 Bry–sur–Marne (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LABORELLI, Louis** [FR/FR]; INA – Institut National de l'Audiovisuel (EPIC), 4, avenue de l'Europe, F–94366 Bry–sur–Marne (FR).

(74) **BREESE, Pierre**; Breese–Majerowicz, 3, avenue de l'Opéra, F–75001 Paris (FR).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 5/225, 5/217**

(11) **WO 99/55081** (13) A1

(21) PCT/US99/08035

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 09/062,262 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CALIBRATION OF DIGITAL CAMERAS
• ETALONNAGE DE CAMERAS NUMERIQUES

(71) **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).

(72) **SMITH, Ronald**; 15828 South 25th Way, Phoenix, AZ 85048 (US).

(74) **TROP, Timothy**; Trop, Pruner, Hu & Miles, P.C., Suite 100, 8554 Katy Freeway, Houston, TX 77024 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 5/335**

(11) **WO 99/55082** (13) A1

(21) PCT/US99/03262

(22) **17 Feb/fév 1999 (17.02.1999)**

(25) en (26) en

(30) 09/062,343 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • LOW COST LINE–BASED VIDEO COMPRESSION OF DIGITAL VIDEO STREAM DATA
• COMPRESSION VIDEO PEU ONEREUSE, BASEE SUR LES LIGNES, DE DONNES DE TRAIN VIDEO NUMERIQUE

(71) **CONEXANT SYSTEMS, INC.** [US/US]; 4311 Jamboree Road, D/876, M/S E09–900, Newport Beach, CA 92660–3095 (US).

(72) **GUNAWAN, Ferry**; Apartment G, 3810 South Flower Street, Santa Ana, CA 92707 (US). **TROTTA, Dino, D.**; Unit A2, 308 Santa Isabel, Costa Mesa, CA 92627 (US).

(74) **GESS, Albin, H.**; Price, Gess & Ubell, Suite 250, 2100 S.E. Main Street, Irvine, CA 92614–6238 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 5/335**

(11) **WO 99/55083** (13) A1

(21) PCT/US99/03462

(22) **18 Feb/fév 1999 (18.02.1999)**

(25) en (26) en

(30) 09/062,343 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CMOS IMAGING APPARATUS
• APPAREIL D'IMAGERIE CMOS

(71) **CONEXANT SYSTEMS, INC.** [US/US]; 4311 Jamboree Road, D/876, M/S E09–900, Newport Beach, CA 92660–3095 (US).

(72) **GUNAWAN, Ferry**; Apartment G, 3810 South Flower Street, Santa Ana, CA 92707 (US). **TROTTA, Dino, D.**; Unit A2, 308 Santa Isabel, Costa Mesa, CA 92627 (US).

(74) **GESS, Albin, H.**; Price, Gess & Ubell, Suite 250, 2100 S.E. Main Street, Irvine, CA 92614–6238 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 5/445, 3/30**

(11) **WO 99/55084** (13) A1

(21) PCT/JP99/02047

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) ja (26) ja

(30) 10/107575 **17 Apr/avr 1998** JP **(17.04.1998)**

(30) 11/80601 **24 Mar/mar 1999** JP **(24.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMAGE DISPLAY AND HORIZONTAL SPEED MODULATOR
• MODULATEUR D'AFFICHAGE D'IMAGE ET DE VITESSE HORIZONTALE

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OKUMURA, Naoji** [JP/JP]; 2–13–55–311, Nishikoji, Minoo–shi, Osaka 562–0003 (JP). **MONTA, Hiroki** [JP/JP]; 2–3–3–904, Minase, Shimamoto–cho, Mishima–gun, Osaka 618–0014 (JP). **UWABATA, Hideyo** [JP/JP]; 6–10–1–502, Magami–cho, Takatsuki–shi, Osaka 569–1121 (JP). **NIO, Yutaka** [JP/JP]; 5–10–8–1212, Sagishima, Fukushima–ku, Osaka–shi, Osaka 553–0002 (JP). **TANAKA, Kazuto** [JP/JP]; 2–2–6–604, Niono Hama, Otsu–shi, Shiga 520–0801 (JP). **NISHIKAWA, Yutaka** [JP/JP]; 6–7–1010, Takenodai, Nishi–ku, Kobe–shi, Hyogo 651–2274 (JP).

(74) **FUKUSHIMA, Yoshito**; Daido Seimei Esaka Daini Building, 8th floor, 23–5, Esaka–cho 1–chome, Suita–shi, Osaka 564–0063 (JP).

(81) AU CN KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 5/775**

(11) **WO 99/55085** (13) A2

(21) PCT/IB99/00607

(22) **8 Apr/avr 1999 (08.04.1999)**

(25) en (26) en

(30) 98201218.9 **16 Apr/avr 1998** EP **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • VIDEO RECORDER/REPRODUCER APPARATUS
• APPAREIL D'ENREGISTREMENT/DE REPRODUCTION VIDEO

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **UITTENBOGAARD, Teunis, H.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **BOEKESTEIN, Peter**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **VAN DER WIJST, Hendricus, M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **VAN DER KRUK, Willem, L.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 7/035**

(11) **WO 99/55086** (13) A1

(21) PCT/DE99/00840

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) de (26) de

(30) 198 18 048.9 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RECEIVING DEVICE FOR RECEIVING VIDEO AND TELETEXT SIGNALS
• APPAREIL RECEPTEUR POUR RECEPTION DE SIGNAUX VIDEO ET TELETEXTE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ENGLERT, Ulrich** [DE/DE]; Balanstrasse 330, D–81549 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 7/08**

(11) **WO 99/55087** (13) A1

(21) PCT/US99/08513

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,225 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • EXPANDED INFORMATION CAPACITY FOR EXISTING COMMUNICATION TRANSMISSION SYSTEMS
• CAPACITE D'INFORMATIONS ETENDUE POUR SYSTEMES DE TRANSMISSION DE COMMUNICATIONS EXISTANTS

(71) **ENCAMERA SCIENCES CORPORATION** [US/US]; Suite 100, 7830 E. Gelding Drive, Scottsdale, AZ 85260 (US).

(72) **HARTSON, Ted, E.**; Suite 100, 7830 E. Gelding Drive, Scottsdale, AZ 85260–3488 (US). **DICKINSON, Robert, V.**; Suite 450, 961 Marcon Boulevard, Allentown, PA 18103 (US). **CICIORA, Walter, S.**; 45 Hulls Farm Road, Southporth, CT 06490–1027 (US).

(74) **PRATT, John, S.** et al. / etc.; Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, GA 30309–4530 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 7/088**

(11) **WO 99/55088** (13) A1

(21) PCT/DE99/00828

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) de (26) de

(30) 198 18 049.7 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR TRANSMITTING SUPPLEMENTARY INFORMATION SIGNALS IN BLANKING INTERVALS OF A VIDEO SIGNAL, AND A DEVICE FOR RECEIVING THESE SUPPLEMENTARY INFORMATION SIGNALS
• PROCEDE POUR LA TRANSMISSION DE SIGNAUX D'INFORMATIONS SUPPLEMENTAIRES DANS DES INTERVALLES DE SUPPRESSION D'UN SIGNAL VIDEO, ET DISPOSITIF RECEPTEUR DE CES SIGNAUX D'INFORMATIONS SUPPLEMENTAIRES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BURCHARD, Bernd** [DE/DE]; Rosenheimer Landstrasse 124, D–85521 Ottobrunn (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 7/167**

(11) **WO 99/55089** (13) A1

(21) PCT/US99/08635

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) en (26) en

(30) 60/082,488 **21 Apr/avr 1998** US **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MULTIMEDIA ADAPTIVE SCRAMBLING SYSTEM (MASS)
• SYSTEME DE BROUILLAGE MULTIMEDIA ADAPTATIF (MASS)

(71) **SOLANA TECHNOLOGY DEVELOPMENT CORPORATION** [US/US]; Suite 500, 6256 Greenwich Drive, San Diego, CA 92122 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LAM, S., Katherine** [US/US]; 9858 Caminito Calor, San Diego, CA 92131 (US). **MOALLEMI, Kamran** [US/US]; 4314 Vista De La Tierra, Del Mar, CA 92014–4104 (US). **LEE, Chong, U.** [US/US]; 11710 Alderidge Lane, San Diego, CA 92131 (US). **KATOH, Taku** [JP/JP]; 3–12–20, Jyomyoji, Kamakura, Kanagawa 248–0003 (JP). **ENDOH, Naoki** [JP/JP]; 2–10–56, Nishihara–cho, Fuchu–shi, Tokyo 183–0046 (JP).

(74) **LIPSITZ, Barry, R.**; 755 Main Street, Monroe, CT 06468 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 7/173**

(11) **WO 99/55090** (13) A1

(21) PCT/IB99/00260

(22) **15 Feb/fév 1999 (15.02.1999)**

(25) en (26) en

(30) 09/062,940 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DIGITAL TELEVISION SYSTEM WHICH SWITCHES CHANNELS IN RESPONSE TO CONTROL DATA IN A TELEVISION SIGNAL
• SYSTEME DE TELEVISION NUMERIQUE COMMUTANT LES CANAUX EN REACTION AUX DONNEES DE COMMANDE DANS UN SIGNAL DE TELEVISION

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **SITNIK, Eran**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **GROENENDAAL, Antonius, W., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 7/173**

(11) **WO 99/55091** (13) A1

(21) PCT/IB99/00261

(22) **15 Feb/fév 1999 (15.02.1999)**

(25) en (26) en

(30) 09/062,939 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DIGITAL TELEVISION SYSTEM WHICH SELECTS IMAGES FOR DISPLAY IN A VIDEO SEQUENCE
• SYSTEME DE TELEVISION NUMERIQUE SELECTIONNANT DES IMAGES A AFFICHER DANS UNE SEQUENCE VIDEO

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **SITNIK, Eran**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **GROENENDAAL, Antonius, W., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 7/24**

(11) **WO 99/55092** (13) A2

(21) PCT/US99/08256

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,146 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS AND METHOD FOR DYNAMIC MULTIPLEXING
• APPAREIL ET PROCEDE DESTINES AU MULTIPLEXAGE DYNAMIQUE

(71) **TIERNAN COMMUNICATIONS, INC.** [US/US]; 5751 Copley Drive, San Diego, CA 92111 (US).

(72) **ACHOUR, Maha**; 4215 Camino Sandoval, San Diego, CA 92130 (US).

(74) **SMITH, James, M.** et al. / etc.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04N 7/28, H03M 7/30**

(11) **WO 99/55093** (13) A1

(21) PCT/JP99/02049

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/124284 **17 Apr/avr 1998** JP **(17.04.1998)**

(30) 10/124286 **17 Apr/avr 1998** JP **(17.04.1998)**

(30) 10/208366 **23 Jul/juil 1998** JP **(23.07.1998)**

(30) 10/208364 **23 Jul/juil 1998** JP **(23.07.1998)**

(30) 10/305336 **27 Oct/oct 1998** JP **(27.10.1998)**

(30) 11/67086 **12 Mar/mar 1999** JP **(12.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DATA COMPRESSING DEVICE AND METHOD, DATA EXPANDING DEVICE AND METHOD, DATA COMPRESSING/EXPANDING SYSTEM AND METHOD, CODE BOOK MAKING METHOD, AND VECTOR QUANTIZING DEVICE AND METHOD
• DISPOSITIF ET PROCEDE DE COMPRESSION DE DONNEES, DISPOSITIF ET PROCEDE D'EXPANSION DE DONNEES, SYSTEME ET PROCEDE DE COMPRESSION/EXPANSION DE DONNEES, PROCEDE DE CONSTITUTION D'UNE TABLE DE CODAGE, ET DISPOSITIF ET PROCEDE DE QUANTIFICATION VECTORIELLE

(71) **ULTRACLEAN TECHNOLOGY RESEARCH INSTITUTE, CO., LTD.** [JP/JP]; 1–4, Hongo 4–chome, Bunkyo–ku, Tokyo 113–0033 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **OHMI, Tadahiro** [JP/JP]; 1–17–301, Komegabukuro 2–chome, Aoba–ku, Sendai–shi, Miyagi 980–0813 (JP).

(72, 75) **KOTANI, Koji** [JP/JP]; 5–2–206, Inagekaigan 5–chome, Mihama–ku, Chiba–shi, Chiba 261–0005 (JP). **NAKADA, Akira** [JP/JP]; 12–5, Kahei 2–chome, Adachi–ku, Tokyo 121–0055 (JP). **IMAI, Makoto** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **KONDA, Masahiro** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **MORIMOTO, Tatsuo** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **YONEZAWA, Takemi** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **NOZAWA, Toshiyuki** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **NAKAYAMA, Takahiro** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **FUJIBAYASHI, Masanori** [JP/JP]; Tohoku University, Aza–Aoba 05, Aramaki, Aoba–ku, Sendai–shi, Miyagi 980–8579 (JP). **NITTA, Takahisa** [JP/JP]; Ultraclean Technology Research Institute Co., Ltd., 1–4, Hongo 4–chome, Bunkyo–ku, Tokyo 113–0033 (JP).

(74) **KOKUBUN, Takayoshi**; Ikebukuro TG Homest Building, 5th floor, 17–8, Higashi–Ikebukuro 1–chome, Toshima–ku, Tokyo 170–0013 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04N 11/18**

(11) **WO 99/55094** (13) A1

(21) PCT/US99/07769

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 60/082,198 **17 Apr/avr 1998** US **(17.04.1998)**

(30) 09/176,121 **21 Oct/oct 1998** US **(21.10.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SECAM CHROMINANCE IDENTIFICATION SIGNAL GENERATOR
• GENERATEUR DE SIGNAUX D'IDENTIFICATION DE CHROMINANCE SECAM

(71) **TIERNAN COMMUNICATIONS, INC.** [US/US]; 5751 Copley Drive, San Diego, CA 92111 (US).

(72) **CHANDRAN, Girish**; 14065 A Mango Drive, Del Mar, CA 92014 (US). **JOHNSON, Eric**; 14155 Bahama Cove, Del Mar, CA 92014 (US). **MA, Xinyu**; 8710 Capricorn Way, San Diego, CA 92126 (US).

(74) **SMITH, James, M.** et al. / etc.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q**

(11) **WO 99/55095** (13) A2

(21) PCT/SE99/00661

(22) **23 Apr/avr 1999 (23.04.1999)**

(25) en (26) en

(30) 09/064,830 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • BEARER INDEPENDENT SIGNALING PROTOCOL
• PROTOCOLE DE SIGNALISATION INDEPENDANT DU SERVICE SUPPORT

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **SZABÓ, István**; Kertesz Jósef Ut 3, H–5300 Karcag (HU). **GÖRAN, Wilhelm, Lars**; Scheffers gränd 13, S–135 63 Tyresö (SE).

(74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Department, S–164 80 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 1/46, H04M 1/57**

(11) **WO 99/55096** (13) A1

(21) PCT/US98/25416

(22) **30 Nov/nov 1998 (30.11.1998)**

(25) en (26) en

(30) 09/062,894 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • COMMUNICATIONS DEVICE INCLUDING AN IMPROVED CPE ALTERING SIGNAL (CAS) DETECTION SYSTEM
• DISPOSITIF DE TELECOMMUNICATIONS A SYSTEME AMELIORE DE DETECTION DE SIGNAL MODIFIANT UN MATERIEL D'ABONNE (CAS)

(71) **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Mail Stop 68, Sunnyvale, CA 94088–3453 (US).

(72) **BARTKOWIAK, John, G.**; 1203 Wilderness Cove, Austin, TX 78746 (US).

(74) **RILEY, Louis, A.**; Advanced Micro Devices, Inc., 5204 East Ben White Boulevard, Mail Stop 562, Austin, TX 78741 (US).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04Q 3/00**

(11) **WO 99/55097** (13) A1

(21) PCT/DE99/01063

(22) **7 Apr/avr 1999 (07.04.1999)**

(25) de (26) de

(30) 198 18 006.3 **22 Apr/avr 1998** DE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • IMPLEMENTING SERVICES OF AN INTELLIGENT NETWORK BY USING A DATA NETWORK
• EXECUTION DE SERVICES D'UN RESEAU INTELLIGENT AU MOYEN D'UN RESEAU DE DONNEES

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BECHER, Reinhard** [DE/DE]; Hofmillerstrasse 1, D–81245 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04Q 3/00**

(11) **WO 99/55098** (13) A1

(21) PCT/EP98/02775

(22) **12 May/mai 1998 (12.05.1998)**

(25) de (26) de

(30) 98107336.4 **22 Apr/avr 1998** EP **(22.04.1998)**

(34) DE et al. / etc.

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SIGNALLING SYSTEM AT A SIGNALLING POINT
• SYSTEME DE SIGNALISATION PLACE EN UN POINT DE SIGNALISATION

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GRADISCHNIG, Klaus** [AT/DE]; Max–Klinger–Strasse 28, D–82131 Gauting (DE).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04Q 3/00, 11/04, H04N 7/14**

(11) **WO 99/55099** (13) A1

(21) PCT/US99/08236

(22) **14 Apr/avr 1999 (14.04.1999)**

(25) en (26) en

(30) 09/065,124 **23 Apr/avr 1998** US **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INTEGRATED TELECOMMUNICATION COLLABORATION SYSTEM
• SYSTEME INTEGRE DE COLLABORATION DE TELECOMMUNICATION

(71) **NORTHERN TELECOM, LIMITED** [CA/CA]; World Trade Center of Montreal, 8th floor, 380 St. Antoine Street West, Montreal, Quebec H2Y 3Y4 (CA).

(71, 72) **DALRYMPLE, Prentice, William, C.** [US/US]; 104 Miss Georgia Court, Cary, NC 27513 (US). **MATLOCK, James, L.** [US/US]; 116 Ellsworth Place, Cary, NC 27511 (US). **O'SHAUGHNESSEY, Patrick, M.** [US/US]; Apartment 5C, 53–55 East 95th Street, New York, NY 10128 (US). **CHEN, Ta–Ming** [US/US]; 103 Tack Court, Cary, NC 27513 (US). **MONROE, Robert, D., Jr.** [US/US]; 412 S.E. Maynard Road, Cary, NC 27511–4514 (US).

(74) **PHILLIPS, Steven, B.**; Northern Telecom, Inc., P.O. Box 13828, Research Triangle Park, NC 27709 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 3/64**

(11) **WO 99/55100** (13) A1

(21) PCT/DE99/00561

(22) **3 Mar/mar 1999 (03.03.1999)**

(25) de (26) de

(30) 198 17 158.7 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR EQUIVALENTLY CONNECTING SUBASSEMBLIES IN 1:N REDUNDANCY
• PROCEDE POUR LE CIRCUIT EQUIVALENT DE SOUS–ENSEMBLES EN REDONDANCE 1:N

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KÖPP, Jörg** [DE/DE]; Liesl–Karlstadt–Strasse 15, D–81476 München (DE). **HUBER, Siegfried** [DE/DE]; Ingolstädterstrasse 27, D–85084 Reichertshofen (DE). **HOFFMANN, Gert** [DE/DE]; Karwendelstrasse 6D, D–82194 Gröbenzell (DE). **RODER, Annette** [DE/DE]; Esterbergstrasse 3, D–81377 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04Q 3/64, H04M 3/428, H04Q 3/00 // 3/62**

(11) **WO 99/55101** (13) A1

(21) PCT/FI99/00314

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fi (26) en

(30) 980865 **17 Apr/avr 1998** FI **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD IN A TELEPHONE SERVICE FOR IMPLEMENTING QUEUING ACCORDING TO A DESIRED CHARGE
• PROCEDE POUR EXECUTER LA MISE NE FILE D'ATTENTE EN FONCTION D'UN TARIF VOULU DANS UN SERVICE TELEPHONIQUE

(71) **HELSINGIN PUHELIN OYJ – HELSINGFORS TELEFON ABP** [FI/FI]; Korkeavuorenkatu 35 – 37, FIN–00130 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ISOTALO, Lauri** [FI/FI]; Kauppakartanonkatu 15 B 19, FIN–00930 Helsinki (FI). **KAVONIUS, Juha** [FI/FI]; Kolsarintie 7 A 3, FIN–00390 Helsinki (FI). **LAIHONEN, Markku** [FI/FI]; Soukankaari 1 C 72, FIN–02360 Espoo (FI).

(74) **SEPPO LAINE OY**; Itämerenkatu 3 B, FIN–00180 Helsinki (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/20, H04B 1/38, H04M 1/00**

(11) **WO 99/55102** (13) A1

(21) PCT/IL99/00214

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 60/082,618 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND SYSTEM FOR PROVIDING CELLULAR COMMUNICATIONS SERVICES
• PROCEDE ET SYSTEME DE FOURNITURE DE SERVICES DE COMMUNICATIONS CELLULAIRES

(71) **NETLINE COMMUNICATIONS TECHNOLOGIES (NCT) LTD.** [IL/IL]; Kaufman Street 2, 68012 Tel Aviv (IL).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **TE–ENI, Ben** [IL/IL]; Ir–Shemesh Street 53A, 69086 Tel Aviv (IL). **ISRAELI, Gil** [IL/IL]; Hagefen Street 38, 99797 Karme–Yosef (IL).

(74) **ISRAELI, Gil**; Hagefen Street 38, 99797 Karme–Yosef (IL).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/22**

(11) **WO 99/55103** (13) A1

(21) PCT/EP99/02580

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 98400960.5 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DATA HANDLING SYSTEM AND METHOD THEREFOR
• SYSTEME DE MANIPULATION DE DONNEES ET PROCEDE AFFERENT

(71) **MOTOROLA INC.** [US/US]; 1303 Algonquin Road, Schaumburg, IL 60196 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BURG, Bernard, Joseph** [FR/FR]; 2, rue Frederic Magisson, F–75015 Paris (FR). **ROBINSON, William, Neil** [GB/GB]; 15 Wentworth Close, Weybourne, Farnham, Surrey GU9 9HH (GB). **SARTORI, Philippe** [FR/FR]; 24, rue de la Pie, F–28000 Chartres (FR). **DUBOIS, Nicolas** [FR/FR]; Bat. A, Res. J. Adam, 15, rue J. Adam, F–91190 Gif sur Yvette (FR). **BENAMAR, Abdelkrim** [FR/FR]; 7, rue de l'Ilette, F–77500 Chelles (FR).

(74) **POTTS, Susan** et al. / etc.; Motorola European Intellectual Property Operations, Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PL (GB).

(81) JP US.

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(51)[6] **H04Q 7/28, H04J 13/00**

(11) **WO 99/55104** (13) A1

(21) PCT/JP99/01051

(22) **4 Mar/mar 1999 (04.03.1999)**

(25) ja (26) ja

(30) 10/114003 **23 Apr/avr 1998** JP **(23.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • MOBILE RADIO COMMUNICATION SYSTEM, COMMUNICATION APPARATUS FOR MOBILE RADIO COMMUNICATION SYSTEM, AND MOBILE RADIO COMMUNICATION METHOD
• SYSTEME DE COMMUNICATION RADIOMOBILE, APPAREIL DE COMMUNICATION DESTINE A CE SYSTEME, ET PROCEDE DE COMMUNICATION RADIOMOBILE

(71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VOYER, Nicolas** [FR/FR]; Mitsubishi Elec. Information Technology Centre Europe B.V., Immeuble Gernamium, 80, avenue des Buttes de Coësmes, F–35700

Rennes (FR). **YANO, Yasuhiro** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **MURAI, Hideshi** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP).

(74) **SAKAI, Hiroaki**; Tokyo Club Building, 2–6, Kasumigaseki 3–chome, Chiyoda–ku, Tokyo 100–0013 (JP).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/32**

(11) **WO 99/55105** (13) A1

(21) PCT/EP99/02578

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 9807967.6 **16 Apr/avr 1998** GB **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DATA CARRIER SYSTEM
• SYSTEME DE PORTEUSE DE DONNEES

(71) **MOTOROLA LIMITED** [GB/GB]; Jays Close, Viables Industrial Estate, Basingstoke, Hampshire RG22 4PD (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOWELL, Stephen, Andrew** [GB/GB]; 56 Newstead Road, Barnwood, Gloucester GL4 3TQ (GB). **BARNES, Nigel, Everard** [GB/GB]; Tavy Cottage, Bishop's Sutton, Alresford SO24 0AL (GB).

(74) **GIBSON, Sarah** et al. / etc.; Motorola European Intellectual Property Operations, Midpoint, Alencon Link, Basingstoke RG21 7PL (GB).

(81) CN DE US.

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(51)[6] **H04Q 7/34**

(11) **WO 99/55106** (13) A1

(21) PCT/SE99/00486

(22) **26 Mar/mar 1999 (26.03.1999)**

(25) en (26) en

(30) 09/064,644 **22 Apr/avr 1998** US **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • OPTIMIZED CELL RECOVERY IN A MOBILE RADIO COMMUNICATIONS NETWORK
• RECUPERATION DE CELLULE OPTIMISEE DANS UN RESEAU DE RADIOCOMMUNICATION MOBILE

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **ANDERSSON, Hans**; Stagvägen 3, S–590 77 Vreta Kloster (SE).

(74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., S–164 80 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/38**

(11) **WO 99/55107** (13) A1

(21) PCT/CH99/00130

(22) **29 Mar/mar 1999 (29.03.1999)**

(25) de (26) de

(30) 885/98 **17 Apr/avr 1998** CH **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ROAMING METHOD AND DEVICES APPROPRIATE THEREFOR
• PROCEDE D'ITINERANCE

(71) **SWISSCOM AG** [CH/CH]; Viktoriastrasse 21, CH–3050 Bern (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STADELMANN, Anton, Niklaus** [CH/CH]; Bodenacker 69, CH–3065 Bolligen (CH). **HIRZEL, Werner** [CH/CH]; Bifitstrasse 63, CH–3145 Niederscherli (CH). **HEUTSCHI, Walter** [CH/CH]; Jungfrauweg 8, CH–3303 Jegenstorf (CH).

(74) **BOVARD AG**; Optingenstrasse 16, CH–3000 Bern 25 (CH).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/38, H04B 7/26**

(11) **WO 99/55108** (13) A1

(21) PCT/DE99/00841

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) de (26) de

(30) 198 17 771.2 **21 Apr/avr 1998** DE **(21.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD AND BASE STATION FOR TRANSMITTING INFORMATION IN A RADIOCOMMUNICATIONS SYSTEM
• PROCEDE ET STATION DE BASE POUR LE TRANSFERT D'INFORMATIONS DANS UN SYSTEME DE RADIOCOMMUNICATIONS

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHINDLER, Jürgen** [DE/DE]; Gottfried–Böhm–Ring 23, D–81369 München (DE). **TRAYNARD, Jean–Michel** [FR/DE]; Spicherenstrasse 14, D–81667 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) BR CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04Q 7/38**

(11) **WO 99/55109** (13) A1

(21) PCT/EP99/02571

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 98440077.0 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RADIO TELECOMMUNICATION SYSTEM, WITH TRANSMISSION OF USER DATA ON A SIGNALING CHANNEL
• SYSTEME DE TELECOMMUNICATION RADIO, AVEC ENVOI DE DONNEES UTILES SUR UN CANAL DE SIGNALISATION

(71) **ALCATEL** [FR/FR]; 54, rue La Boétie, F–75008 Paris (FR).

(72) **SPERBER, Christoph**; Gesellstrasse 58, D–75175 Pforzheim (DE). **BARTH, Ulrich**; Christophstrasse 20, D–70825 Münchingen (DE).

(74) **BROSE, Gerhard** et al. / etc.; Alcatel, Intellectual Property Dept., Postfach 30 09 29, D–70449 Stuttgart (DE).

(81) AU HU JP.

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(51)[6] **H04Q 7/38**

(11) **WO 99/55110** (13) A2

(21) PCT/FI99/00280

(22) **1 Apr/avr 1999 (01.04.1999)**

(25) fi (26) en

(30) 980773 **3 Apr/avr 1998** FI **(03.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • TRANSMISSION LINK OPTIMIZATION
• OPTIMISATION DE LIAISON DE TRANSMISSION

(71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; Keilalahdentie 4, FIN–02150 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ALVESALO, Antero** [FI/FI]; Lauttasaarentie 18 A 20, FIN–00200 Helsinki (FI). **VERKAMA, Markku** [FI/FI]; Hakamäki 2 A 12, FIN–02120 Espoo (FI). **VIRTANEN, Jukka** [FI/FI]; Keskuskatu 38 B 8, FIN–37550 Lempäälä (FI).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (FI).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/38**

(11) **WO 99/55111** (13) A2

(21) PCT/FI99/00313

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) fi (26) en

(30) 980873 **20 Apr/avr 1998** FI **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • PROCEDURE AND SYSTEM FOR INDICATING A CALL IN HOLD STATE IN A TELECOMMUNICATION SYSTEM
• PROCEDE ET SYSTEME POUR INDIQUER UN APPEL EN ATTENTE DANS UN SYSTEME DE TELECOMMUNICATION

(71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; P.O. Box 300, FIN–00045 Nokia Group (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PERNU, Sakari** [FI/FI]; Pikkusiirantie 5, FIN–91600 Utajärvi (FI).

(74) **PAPULA REIN LAHTELA OY**; Fredrikinkatu 61 A, P.O. Box 981, FIN–00101 Helsinki (FI).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/38**

(11) **WO 99/55112** (13) A1

(21) PCT/JP99/02077

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) ja (26) ja

(30) 10/107300 **17 Apr/avr 1998** JP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • RADIO COMMUNICATION DEVICE AND METHOD OF CONTROLLING TRANSMISSION RATE
• DISPOSITIF DE COMMUNICATION RADIO ET PROCEDE PERMETTANT DE REGLER LA VITESSE DE TRANSMISSION

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **UE, Toyoki** [JP/JP]; 2–907 Heim Hikari no Oka, 6–2, Hikari no Oka, Yokosuka–shi, Kanagawa 239–0847 (JP). **HIRAMATSU, Katsuhiko** [JP/JP]; 4–21–4–102, Kurihama, Yokosuka–shi, Kanagawa 239–0831 (JP). **KATO, Osamu** [JP/JP]; 5–45–G302, Shonantakatori, Yokosuka–shi, Kanagawa 237–0066 (JP).

(74) **WASHIDA, Kimihito**; Shintoshicenter Building, 5th floor, 24–1, Tsurumaki 1–chome, Tama–shi, Tokyo 206–0034 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/38**

(11) **WO 99/55113** (13) A1

(21) PCT/SE99/00488

(22) **26 Mar/mar 1999 (26.03.1999)**

(25) en (26) en

(30) 09/062,053 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD OF HANDLING NETWORK–INITIATED CALLS IN A RADIO TELECOMMUNICATIONS NETWORK
• PROCEDE DE TRAITEMENT D'APPELS INTERNES AU RESEAU DANS UN RESEAU DE RADIOTELECOMMUNICATION

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **BRITT, Margaret**; 2670 rue de Beaurivage, Montreal, Quebec H1L 5WL (CA). **DULONG, Daniel**; 48 Racine Pincourt, Montreal, Quebec V7V 8E9 (CA).

(74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., S–164 80 Stockholm (SE).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/38**

(11) **WO 99/55114** (13) A1

(21) PCT/US99/08584

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/062,839 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR DEFINING LOCATION SERVICES
• SYSTEME ET PROCEDE DE DEFINITION DE SERVICES DE LOCALISATION

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Tiangle Park, NC 27709 (US).

(72) **HAVINIS, Theodore**; 1520 Preston Road #427, Plano, TX 75093 (US). **HAYES, Stephen**; 2104 Via Madonna, Carrollton, TX 75006 (US). **ROEL–NG, Maya**; 1604 Chester Drive, Plano, TX 75025 (US).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 7/38**

(11) **WO 99/55115** (13) A1

(21) PCT/US99/08599

(22) **19 Apr/avr 1999 (19.04.1999)**

(25) en (26) en

(30) 09/062,962 **20 Apr/avr 1998** US **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SYSTEM AND METHOD FOR USE OF OVERRIDE KEYS FOR LOCATION SERVICES
• SYSTEME ET PROCEDE D'UTILISATION DE CODES DE DEROGATION POUR SERVICES DE LOCALISATION

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **HAVINIS, Theodore**; 1520 Preston Road #427, Plano, TX 75093 (US). **HAYES, Stephen**; 2104 Via Madonna, Carrollton, TX 75006 (US). **ROEL–NG, Maya**; 1604 Chester Drive, Plano, TX 75025 (US).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04Q 11/00**

(11) **WO 99/55116** (13) A2

(21) PCT/DE99/01185

(22) **20 Apr/avr 1999 (20.04.1999)**

(25) de (26) de

(30) 198 17 494.2 **20 Apr/avr 1998** DE **(20.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • NETWORK COUPLING UNIT FOR A COMMUNICATIONS SYSTEM
• UNITE DE COUPLAGE A UN RESEAU POUR UN SYSTEME DE COMMUNICATION

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEHREND, Klaus** [DE/DE]; Eichenstrasse 1, D–82223 Eichenau (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H04R 1/02**

(11) **WO 99/55117** (13) A1

(21) PCT/SE99/00655

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) sv (26) en

(30) 9801414–5 **22 Apr/avr 1998** SE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRO–ACOUSTICAL TRANSDUCER
• TRANSDUCTEUR ELECTROACOUSTIQUE

(71, 72) **WESTERMARK, Tomas** [SE/SE]; Askeryd, Fridhem, S–578 93 Aneby (SE). **LILJEHAG, Erik** [SE/SE]; Gåustavägen 98, S–755 96 Uppsala (SE).

(74) **WESTERMARK, Tomas**; Askeryd, Fridhem, S–578 93 Aneby (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H04R 9/06**

(11) **WO 99/55118** (13) A1

(21) PCT/SE99/00654

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) sv (26) en

(30) 9801413–7 **22 Apr/avr 1998** SE **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRO–ACOUSTIC TRANSDUCER WITH ELECTRICALLY CONDUCTING MEMBRANE
• TRANSDUCTEUR ELECTROACOUTISQUE AVEC MEMBRANE ELECTROCONDUCTRICE

(71, 72) **WESTERMARK, Tomas** [SE/SE]; Askeryd Fridhem, S–578 93 Aneby (SE). **LILJEHAG, Erik** [SE/SE]; Gåvstavägen 98, S–755 96 Uppsala (SE).

(74) **WESTERMARK, Tomas**; Askeryd Fridhem, S–578 93 Aneby (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H05B**

(11) **WO 99/55119** (13) A2

(21) PCT/US99/08379

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) en (26) en

(30) 09/062,498 **17 Apr/avr 1998** US **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • INDUCTION RADIANT BROILER
• GRILLOIR A RAYONNEMENT PAR INDUCTION

(71) **GARLAND COMMERCIAL INDUSTRIES, INC.** [US/US]; 185 East South Street, Freeland, PA 18224–1999 (US).

(72) **KEOGH, Alan, C.**; 365 Seaton Drive, Oakville, Ontario (CA).

(74) **GREELEY, Paul, D.**; Ohlandt, Greeley, Ruggiero & Perle, L.L.P., 9th floor, One Landmark Square, Stamford, CT 06901–2682 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H05B 3/58**

(11) **WO 99/55120** (13) A1

(21) PCT/US99/08230

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) en (26) en

(30) 60/082,486 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/089,997 **3 Jun/juin 1998** US **(03.06.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • APPARATUS FOR FORMING FIELD JOINTS ON PLASTIC COATED PIPE
• APPAREIL SERVANT A CREER DES RACCORDS SUR DES CONDUITS REVETUS DE PLASTIQUE

(71) **FLOATEC CORPORATION** [US/US]; 13630 Water Tower Circle, Minneapolis, MN 55441 (US).

(72) **WYKE, Richard, L.**; 2318 Deer Meadow, Missouri City, TX 77489 (US).

(74) **WATKINS, Marcella, D.** et al. / etc.; Conley, Rose & Tayon, P.C., P.O. Box 3267, Houston, TX 77253–3267 (US).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H05B 33/10, 33/14, 33/22, 41/16, H01L 21/02, 21/203, 31/00**

(11) **WO 99/55121** (13) A1

(21) PCT/GB99/01233

(22) **22 Apr/avr 1999 (22.04.1999)**

(25) en (26) en

(30) 98303085.9 **22 Apr/avr 1998** EP **(22.04.1998)**

(30) 98303084.2 **22 Apr/avr 1998** EP **(22.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTROLUMINESCENT DEVICES
• DISPOSITIFS ELECTROLUMINESCENTS

(71) **CAMBRIDGE CONSULTANTS LIMITED** [GB/GB]; Science Park, Milton Road, Cambridge CB4 4DW (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BARNARDO, Christopher, John, Andrew** [GB/GB]; 42 Grange Road, Bishops Stortford, Hertfordshire CM23 5NQ (GB). **FRYER, Christopher, James, Newton** [GB/GB]; 149 High Street, Cottenham, Cambridgeshire CB4 8SD (GB). **DAVIES, Christopher** [GB/GB]; 37 Cootes Lane, Fen Drayton, Cambridgeshire CB4 5SL (GB). **COX, Paul** [GB/GB]; 33 Whitton Close, Swavesey, Cambridgeshire CB4 5RT (GB).

(74) **DIXON, Philip, Matthew**; Frank B., Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H05B 37/02**

(11) **WO 99/55122** (13) A1

(21) PCT/CA99/00317

(22) **13 Apr/avr 1999 (13.04.1999)**

(25) en (26) en

(30) 2,234,486 **16 Apr/avr 1998** CA **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • 3D READY LAMP
• LAMPE TRIDIMENSIONNELLE PRETE A L'EMPLOI

(71, 72) **BAUER, Will, N.** [CA/CA]; 11450–79 Avenue, Edmonton, Alberta T6G 0P6 (CA).

(74) **PARSONS, Jane**; Jane Parsons & Associates, 20414 McCowan Road, Mount Albert, Ontario L0G 1M0 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H05B 41/08**

(11) **WO 99/55123** (13) A1

(21) PCT/IB99/00582

(22) **6 Apr/avr 1999 (06.04.1999)**

(25) en (26) en

(30) 98201237.9 **17 Apr/avr 1998** EP **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • STARTER CIRCUIT
• CIRCUIT D'ALLUMAGE DE LAMPE A DECHARGE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **VAN VELDHUIZEN, Robert, H.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **ROLFES, Johannes, G., A.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H05B 41/392, H01F 38/10, H02M 7/5387**

(11) **WO 99/55124** (13) A1

(21) PCT/EP99/02556

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 248.6 **18 Apr/avr 1998** DE **(18.04.1998)**

(30) 199 13 517.7 **23 Mar/mar 1999** DE **(23.03.1999)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • METHOD FOR OPERATING A GASEOUS DISCHARGE LAMP AND SYSTEM FOR CARRYING OUT SUCH A METHOD
• PROCEDE PERMETTANT DE FAIRE FONCTIONNER DES LAMPES A DECHARGE EN ATMOSPHERE GAZEUSE, ET CONFIGURATION DESTINEE A L'APPLICATION D'UN TEL PROCEDE

(71, 72) **DIEZ, Manfred** [DE/DE]; Austrasse 14, D–73265 Dettingen (DE). **GÜNTHER, Alfons** [DE/DE]; Am Wahlbrink 16, D–33659 Bielefeld (DE). **GAUSEWEG, Hubert** [DE/DE]; Steffensweg 7, D–59581 Warstein (DE). **RARBACH, Johannes** [DE/DE]; Wennerwaldstrasse 4, D–59889 Eslohe (DE).

(74) **RAIBLE, Hans**; Schoderstrasse 10, D–70192 Stuttgart (DE).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H05B 41/392, H01F 38/10**

(11) **WO 99/55125** (13) A1

(21) PCT/US99/06228

(22) **22 Mar/mar 1999 (22.03.1999)**

(25) en (26) en

(30) 09/063,934 **21 Apr/avr 1998** US **(21.04.1998)**

(30) 09/163,948 **30 Sep/sep 1998** US **(30.09.1998)**

(30) 09/164,102 **30 Sep/sep 1998** US **(30.09.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • DIMMING BALLAST AND DRIVE METHOD FOR LAMPS USING A FREQUENCY CONTROLLED, LOOSELY–COUPLED TRANSFORMER
• BALLAST DE GRADATION ET PROCEDE D'EXCITATION DE LAMPES UTILISANT UN TRANSFORMATEUR A COUPLAGE LACHE REGULE PAR FREQUENCE

(71) **POWER CIRCUIT INNOVATIONS, INC.** [US/US]; Suite 100, 2825 Wilderness Place, Boulder, CO 80301–5432 (US).

(72) **ADAMSON, Hugh, Patrick**; 525 Manhattan Drive #104, Boulder, CO 80303 (US).

(74) **BRUESS, Steven, C.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402–4131 (US).

(81) AE AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H05K 5/02**

(11) **WO 99/55126** (13) A2

(21) PCT/DE99/01213

(22) **16 Apr/avr 1999 (16.04.1999)**

(25) de (26) de

(30) 198 17 945.6 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CABINET WITH AT LEAST ONE BUILT–IN ELECTRICAL APPARATUS
• ARMOIRE COMPORTANT AU MOINS UN APPAREIL ELECTRIQUE ENCASTRE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JAKOB, Jürgen** [DE/DE]; Wilkestrasse 15a, D–13507 Berlin (DE). **SCHÜPPLER, Thomas** [DE/DE]; Malchower Strasse 82, D–13089 Berlin (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H05K 7/14, H01R 23/70**

(11) **WO 99/55127** (13) A1

(21) PCT/CA99/00329

(22) **9 Apr/avr 1999 (09.04.1999)**

(25) en (26) en

(30) 9807989.0 **16 Apr/avr 1998** GB **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • CIRCUIT CARD INSERTION AND REMOVAL SYSTEM
• SYSTEME D'INSERTION ET DE RETRAIT DE CARTE A CIRCUITS

(71) **TRIONIQ INC.** [CA/CA]; 355 Racine East, Chicoutimi, Quebec G7H 1S8 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BABIN, André** [CA/CA]; 480 des Pinsons, Chicoutimi, Quebec G7H 5K9 (CA).

(74) **NADEAU, François** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montreal, Quebec H3A 2Y3 (CA).

(81) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW; AP (GH GM KE LS MW SD SL SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(51)[6] **H05K 7/14**

(11) **WO 99/55128** (13) A1

(21) PCT/DE99/01138

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 16 712.1 **16 Apr/avr 1998** DE **(16.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTRONIC DEVICE, ESPECIALLY AN INDUSTRIAL COMPUTER
• APPAREIL ELECTRONIQUE, EN PARTICULIER CALCULATEUR INDUSTRIEL

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SIEG, Wolfgang** [DE/DE]; Am Sandberg 65, D–76187 Karlsruhe (DE). **STEIGER, Heinz–Werner** [DE/DE]; Ettlinger Strasse 10, D–76676 Graben–Neudorf (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H05K 7/14**

(11) **WO 99/55129** (13) A1

(21) PCT/EP99/02529

(22) **15 Apr/avr 1999 (15.04.1999)**

(25) de (26) de

(30) 198 17 089.0 **17 Apr/avr 1998** DE **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • SUBRACK
• SUPPORT DE MODULES

(71) **SCHROFF GMBH** [DE/DE]; Industriegebiet, D–75334 Straubenhardt (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAAG, Volker** [DE/DE]; Bergweg 6, D–75323 Bad Wildbad (DE). **JOIST, Michael** [DE/DE]; Albert–Schweitzer–Strasse 1, D–76571 Gaggenau (DE). **KERN, Klaus** [DE/DE]; Marienstrasse 18, D–75334 Straubenhardt (DE). **MAZURA, Paul** [DE/DE]; Beethovenstrasse 11, D–76307 Karlsbad (DE).

(74) **DURM, Frank** et al. / etc.; Durm & Durm, Felix–Mottl–Strasse 1a, D–76185 Karlsruhe (DE).

(81) CZ HU JP PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(51)[6] **H05K 9/00**

(11) **WO 99/55130** (13) A2

(21) PCT/EP99/02197

(22) **30 Mar/mar 1999 (30.03.1999)**

(25) en (26) en

(30) MI98A000816 **17 Apr/avr 1998** IT **(17.04.1998)**

(43) 28 Oct/oct 1999 (28.10.1999)

(54) • ELECTROMAGNETIC WAVE ABSORBER DEVICE
• DISPOSITIF D'ABSORPTION D'ONDES ELECTROMAGNETIQUES

(71) **M.M.T. S.R.L.** [IT/IT]; Via Adige, 11, I–21013 Gallarate (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PADRIN, Maurizio** [IT/IT]; Via Solferino, 10, I–21040 Albizzate (IT).

(74) **RIPAMONTI, Enrico** et al. / etc.; Ing. A. Giambrocono & C. S.r.l., Via Rosolino Pilo, 19/B, I–20129 Milano (IT).

(81) CA IL NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).