SECTION I

PUBLISHED INTERNATIONAL APPLICATIONS

DEMANDES INTERNATIONALES PUBLIÉES

(11) **WO 99/23865** (13) A2

(21) PCT/AU98/00921

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) PP 0274 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51) Not classified / non classée

(54) • PREPARATION OF METAL ALKOXIDES
• PREPARATION D'ALCOXYDES DE METAUX

(71) **SUSTAINABLE TECHNOLOGIES AUSTRALIA LIMITED** [AU/AU]; 11 Aurora Avenue, Queanbeyan, NSW 2629 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOPLICK, Andrew, Joseph** [AU/AU]; 33 Bronhill Road, Ringwood, VIC 3134 (AU). **JENKINS, Susan, Marie** [AU/AU]; 10 Milfay Court, Balwyn North, VIC 3104 (AU).

(74) **GRANT, Paul, A.**; Paul A. Grant and Associates, P.O. Box 60, Fisher, ACT 2611 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23866** (13) A2

(21) PCT/EP98/06896

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 819.1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51) Not classified / non classée

(54) • AQUEOUS COSMETIC PREPARATIONS IN STICK FORM
• PREPARATIONS COSMETIQUES AQUEUSES SOUS FORME DE STICK

(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) **GUCKENBIEHL, Bernhard** [DE/DE]; Ignystrasse 12, D–50858 Köln (DE). **BANOWSKI, Bernhard** [DE/DE]; Benrodestrasse 6, D–40597 Düsseldorf (DE). **TESMANN, Holger** [DE/DE]; Unter den Linden 23, D–41363 Jüchen (DE).

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

---

(11) **WO 99/23867** (13) A2

(21) PCT/US98/23826

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,761 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51) Not classified / non classée

(54) • BMOG, A NOVEL PROTEIN MEMBER OF THE MYELIN–OLIGODENDROCYTE GLYCOPROTEIN FAMILY AND ITS USE FOR IMMUNOMODULATORY PURPOSES
• BMOG, NOUVELLE PROTEINE DE LA FAMILLE DES GLYCOPROTEINES DE MYELINE–OLIGODENDROCYTE, ET SON UTILISATION A DES FINS IMMUNOMODULATRICES

(71) **BIOGEN, INC.** [US/US]; 14 Cambridge Center, Cambridge, MA 02142 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BROWNING, Jeffrey** [US/US]; 32 Milton Road, Brookline, MA 02146 (US).

(74) **FLYNN, Kerry, A.**; Biogen, Inc., 14 Cambridge Center, Cambridge, MA 02142 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23868** (13) A1

(21) PCT/CZ98/00008

(22) **9 Feb/fév 1998 (09.02.1998)**

(25) en (26) en

(31) PV 3552–97 (32) **11 Nov/nov 1997 (11.11.1997)** (33) CZ

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01B 33/02**

(54) • UNIVERSAL MACHINE FOR LAND STRIP TILLAGE AND ITS SOWING
• MACHINE UNIVERSELLE POUR LABOURER UNE BANDE DE TERRE ET SON ENSEMENCEMENT

(71) **ÚSTAV ZEMEDELSKYCH A POTRAVINÁRSK CH INFORMACÍ** [CZ/CZ]; Lond ská 25, 120 21 Praha 2 (CZ).

(72) **BUREŠ, Karel**; V Peklovicích 507/II, 566 01 Vysoké M to (CZ). **KOHOUTEK, Alois**; Svatopluka Čecha 110, 679 32 Svitávka (CZ). **KOMÁREK, Petr**; nám. Míru 663, 679 63 Velké Opatovice (CZ).

(74) **STŘELÁK, Jiři**; Pařizská 17, 110 00 Praha 1 (CZ).

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

---

(11) **WO 99/23869** (13) A1

(21) PCT/NL98/00637

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) nl (26) en

(31) 1007487 (32) **7 Nov/nov 1997 (07.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01B 79/00**

(54) • MEANS FOR CONTROLLING A DRIVEN SOIL WORKING MACHINE ON THE BASIS OF INFORMATION DERIVED FROM A MAP
• MOYEN DE COMMANDE D'UN ENGIN DE TRAVAIL DU SOL MU SUR LA BASE D'INFORMATIONS TIREES D'UNE CARTE

(71) **MAASLAND N.V.** [NL/NL]; 10 Weverskade, NL–3155 PD Maasland (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VAN DER LELY, Olaf** [NL/CH]; Weinbergstrasse 11, CH–6300 Zug (CH). **VAN DER LELY, Alexander** [NL/NL]; Jan Witkampstraat 44, NL–3065 NA Rotterdam (NL). **BOM, Cornelis, Johannes, Gerardus** [NL/NL]; Laan van Nieuw Rozenburg 16, NL–3181 VC Rozenburg (NL). **DE GROEN, Franciscus, Johannes, Adrianus** [NL/NL]; Koolwitje 27, NL–3225 CB Hellevoetsluis (NL).

(74) **CORTEN, Maurice, Jean, F., M.**; Weverskade 10, NL–3155 PD Maasland (NL).

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

---

(11) **WO 99/23870** (13) A1

(21) PCT/AT98/00275

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) A 1888/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01D 41/14**

(54) • UPSTREAM IMPLEMENT FOR COMBINED HARVESTER–THRESHER FOR HARVESTING SOYBEANS AND PEAS
• OUTIL AMONT DE MOISSONNEUSE–BATTEUSE DESTINE A LA RECOLTE DU SOJA ET DE POIS

(71, 72) **SCHRATTENECKER, Franz** [AT/AT]; A–4773 Eggerding (AT).

(74) **HÜBSCHER, Gerhard** et al. / etc.; Spittelwiese 7, A–4020 Linz (AT).

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

Published / Publiée : *(c)*

---

(11) **WO 99/23871** (13) A1

(21) PCT/DE98/01496

(22) **30 May/mai 1998 (30.05.1998)**

(25) de (26) de

(31) 297 19 715.0 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01F 15/14**

(54) • TWINE TIE KNOTTER
• NOUEUR

(71) **RASSPE INTERNATIONAL GMBH & CO. KG** [DE/DE]; Stöcken 17, D–42651 Solingen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HOMBERG, Hans–Erich** [DE/DE]; Goldberger Weg 9, D–42699 Solingen (DE).

(74) **PALGEN, Peter** et al. / etc.; Mulvanystrasse 2, D–40239 Düsseldorf (DE).

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

---

(11) **WO 99/23872** (13) A1

(21) PCT/IL98/00534

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 122138 (32) **7 Nov/nov 1997 (07.11.1997)** (33) IL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01G 13/02**

(54) • A PLASTIC FILM FOR USE IN AGRICULTURE
• FEUILLE MINCE DE PLASTIQUE UTILISEE EN AGRICULTURE

(71, 72) **PELED, Uri** [IL/IL]; Givat Eden, Hanarkis Street 29/6, 30900 Zichron Yaakov (IL).

(72, 75) **BARTNIG, Karl, Heinz** [DE/DE]; Mittlere Strasse 7, D–69602 Ruethen (DE).

(74) **WOLFF, BREGMAN AND GOLLER**; P.O. Box 1352, 91013 Jerusalem (IL).

(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 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).

---

(11) **WO 99/23873** (13) A1

(21) PCT/SE98/00788

(22) **28 Apr/avr 1998 (28.04.1998)**

(25) sv (26) en

(31) PCT/SE97/01782 (32) **23 Oct/oct 1997 (23.10.1997)** (33) WO

(34) SE et al. / etc.

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01G 23/00**

(54) • METHOD FOR TIMBER HARVESTING AND SYSTEM FOR FORESTRY
• PROCEDE D'ABATTAGE ET SYSTEME DE FORESTERIE

(71, 72) **SÖRVIK, Bengt** [SE/SE]; Årby Gård, Rasbokil, S–755 95 Uppsala (SE).

(74) **BJERKÉN, Håkan** et al. / etc.; Bjerkéns Patentbyrå KB, P.O. Box 1274, S–801 37 Gävle (SE).

(81) AL AM AT 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 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).

---

(11) **WO 99/23874** (13) A1

(21) PCT/FR98/02381

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/14105 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01H 4/00**

(54) • METHOD FOR REJUVENATING GYMNOSPERMS BY SOMATIC EMBRYOGENESIS
• PROCEDE DE RAJEUNISSEMENT DE GYMNOSPERMES PAR EMBRYOGENESE SOMATIQUE

(71) **AFOCEL** [FR/FR]; 164, boulevard Haussmann, F–75008 Paris (FR). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **PAQUES, Marc** [BE/FR]; 49, quai Franklin Roosevelt, F–77920 Samois sur Seine (FR). **BERCETCHE, Joëlle** [FR/FR]; 9, rue des Clairs Matins, F–91570 Bièvres (FR).

(74) **GROSSET–FOURNIER, Chantal** et al. / etc.; Grosset–Fournier & Demachy, 20, rue de Maubeuge, F–75009 Paris (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/23875** (13) A1

(21) PCT/US98/20250

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

(31) 08/965,518 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01M 1/10, 1/02**

(54) • LETHAL MOSQUITO BREEDING CONTAINER
• RECIPIENT CULICIDOGENE FATAL AUX MOUSTIQUES

(71, 72) **PERICH, Michael, J.** [US/US]; Walter Reed Army Institute of Research, Washington, DC 20307–5100 (US). **ZEICHNER, Brian, C.** [US/US]; USACHPPM, MCHB DC OEN, E5800, 40th Street, Apgea, MD 21010–5422 (US).

(74) **MELCHER, Jeffrey, S.**; Farkas & Manelli PLLC, Suite 700, 2000 M Street, N.W., Washington, DC 20036–3307 (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).

---

(11) **WO 99/23876** (13) A1

(21) PCT/EP98/07040

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 340.8 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

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

(54) • DISTRIBUTING BLOWER
• SOUFFLANTE DE DISTRIBUTION

(71, 72) **PAK, Mjongsu** [DE/DE]; Von–Nesselrode–Weg 43, D–51491 Overath (DE).

(74) **BECK, Jürgen** et al. / etc.; Hoeger, Stellrecht & Partner, Uhlandstrasse 14 c, D–70182 Stuttgart (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/23877** (13) A1

(21) PCT/SK98/00017

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) PV 1509–97 (32) **10 Nov/nov 1997 (10.11.1997)** (33) SK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 25/00, A01G 7/04**

(54) • STIMULATION OF SPECIFIC POINTS OF PLANTS
• STIMULATION DE POINTS SPECIFIQUES SUR UNE PLANTE

(71, 72) **MALY, Oto** [SK/SK]; Viničky 3/14, 949 01 Nitra (SK).

(74) **KOVÁČIK, Štefan**; Patentová a známková kancelária, Jasovská 13/15, 851 07 Bratislava (SK).

(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).

---

(11) **WO 99/23878** (13) A1

(21) PCT/US98/24008

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 08/967,448 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 31/02, C05G 3/00**

(54) • USE OF METHANOL FOR IMPROVING PLANT GROWTH
• UTILISATION DE METHANOL AUX FINS D'UNE AMELIORATION DE LA CROISSANCE DE PLANTES

(71, 72) **RODDER, Jerry, A.** [US/US]; 775 Sunshine Drive, Los Altos, CA 94022–3155 (US).

(74) **MAXWELL, Walter, G.**; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109–7068 (US).

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

---

(11) **WO 99/23879** (13) A1

(21) PCT/US98/23821

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,694 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 37/18, C07K 1/00**

(54) • METHOD FOR THE AUGMENTATION OF GENE EXPRESSION
• PROCEDE D'AUGMENTATION DE L'EXPRESSION GENIQUE

(71) **UAB RESEARCH FOUNDATION** [US/US]; Suite 1120G, 701 S. 20th Street, Birmingham, AL 35294–0111 (US).

(72) **MOUNTZ, John, D.**; 2806 Vestavia Forest Place, Birmingham, AL 35299 (US). **ZHANG, Huang–Ge**; 3240 Tyrol Road, Birmingham, AL 35216 (US). **ZHOU, Tong**; 332 West Stonebrook Place, Birmingham, AL 35226 (US). **EDWARDS, Carl, K.**; 1620 Pitkin Avenue, Superior, CO 80027 (US).

(74) **ADLER, Benjamin, A.**; McGregor & Adler, 8011 Candle Lane, Houston, TX 77071 (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; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23880** (13) A1

(21) PCT/US98/23877

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,893 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 43/04, C12N 5/00, 15/63, 1/24, C07H 21/02**

(54) • SOMATIC TRANSFER OF MODIFIED GENES TO PREDICT DRUG EFFECTS
• TRANSFERT SOMATIQUE DE GENES MODIFIES PERMETTANT DE PREVOIR LES EFFETS DES MEDICAMENTS

(71) **JOHNS HOPKINS UNIVERSITY** [US/US]; 720 Rutland Avenue, Baltimore, MD 21205 (US).

(72) **MARBAN, Eduardo**; 902 Fallscroft Way, Lutherville, MD 21093 (US).

(74) **CORLESS, Peter, F.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, LLP, 130 Water 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 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).

---

(11) **WO 99/23881** (13) A1

(21) PCT/US98/24041

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,358 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 43/38, 33/02**

(54) • COMPOSITION AND METHOD FOR PREVENTING OR ALLEVIATING MIGRAINE HEADACHES
• COMPOSITION ET PROCEDE POUR PREVENIR OU SOULAGER LES MAUX DE TETE APPELES MIGRAINE

(71) **ALLOCCA TECHNICAL, INC.** [US/US]; Suite 1105, 256 Main Street, Northport, NY 11768 (US).

(72) **ALLOCCA, John, A.**; 11 Wilafra Place, Northport, NY 11768 (US).

(74) **RAUCHFUSS, George, W., Jr.**; 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23882** (13) A1

(21) PCT/US98/24153

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/999,866 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 43/38**

(54) • METHOD OF TREATMENT OF PIGMENTED CANCER CELLS UTILIZING PHOTODYNAMIC THERAPY
• METHODE DE TRAITEMENT DE CELLULES CANCEREUSES PIGMENTEES PAR THERAPIE PHOTODYNAMIQUE

(71) **BOWLING GREEN STATE UNIVERSITY** [US/US]; 120 McFall Center, Bowling Green, OH 43403–0180 (US).

(72) **RODGERS, Michael, A., J.**; 25 South River Road, Waterville, OH 43566 (US). **JORI, Giulio**; Via Cavalieri, 18, I–35100 Padova (IT). **KENNEY, Malcolm, E.**; 1203 Hereford Road, Cleveland Heights, OH 44118 (US).

(74) **GILCREST, Roger, A.**; Standley & Gilcrest, Suite 210, 495 Metro Place South, Dublin, OH 43017 (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 GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

---

(11) **WO 99/23883** (13) A1

(21) PCT/JP97/04094

(22) **11 Nov/nov 1997 (11.11.1997)**

(25) ja (26) ja

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 43/90, C07D 495/04**

(54) • DEFOLIANT FOR DECIDUOUS FRUIT TREES AND DECIDUOUS GREENING TREES
• DEFOLIANT POUR ARBRES FRUITIERS A FEUILLAGE CADUC ET ARBRES VERTS A FEUILLAGE CADUC

(71) **AGRO–KANESHO CO., LTD.** [JP/JP]; 4–2–19, Akasaka, Minato–ku, Tokyo 107 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOURA, Seigo** [JP/JP]; 101, 1–17–12, Motomachi, Kiyose–shi, Tokyo 204 (JP). **ONO, Hiroshi** [JP/JP]; 97, Wakaba–cho, Kuroishi–shi, Aomori–ken 036–03 (JP).

(74) **NAKAMURA, Minoru** et al. / etc.; Room 646, Shin–Tokyo Building, 3–1, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100 (JP).

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

---

(11) **WO 99/23884** (13) A1

(21) PCT/JP97/04095

(22) **11 Nov/nov 1997 (11.11.1997)**

(25) ja (26) ja

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 43/90, C07D 495/04**

(54) • DEFOLIANT POUR DECIDUOUS FRUIT TREES AND DECIDUOUS GREENING TREES
• DEFOLIANT POUR ARBRES FRUITIERS A FEUILLAGE CADUC ET POUR ARBRES VERTS A FEUILLAGE CADUC

(71) **AGRO–KANESHO CO., LTD.** [JP/JP]; 4–2–19, Akasaka, Minato–ku, Tokyo 107 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOURA, Seigo** [JP/JP]; 101, 1–17–12, Motomachi, Kiyose–shi, Tokyo 204 (JP). **ONO, Hiroshi** [JP/JP]; 97, Wakaba–cho, Kuroishi–shi, Aomori–ken 036–03 (JP).

(74) **NAKAMURA, Minoru** et al. / etc.; Room 646, Shin–Tokyo Building, 3–1, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100 (JP).

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

---

(11) **WO 99/23885** (13) A1

(21) PCT/US98/23962

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,876 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 47/40, C07K 1/00, 16/00, C07J 1/00, G01N 33/567, C12N 9/99, 9/14, 9/18**

(54) • METHODS FOR THE USE OF INHIBITORS OF CO–REPRESSORS FOR THE TREATMENT OF NEOPLASTIC DISEASES
• METHODES D'UTILISATION D'INHIBITEURS DE CO–REPRESSEURS DANS LE CADRE DU TRAITEMENT DE MALADIES NEOPLASIQUES

(63) US 08/966,876 (CIP) 10 Nov/nov 1997 (10.11.1997)

(71) **THE SALK INSTITUTE FOR BIOLOGICAL STUDIES** [US/US]; 10010 North Torrey Pines Road, La Jolla, CA 92039 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EVANS, Ronald, M.** [US/US]; 1471 Cottontail Lane, La Jolla, CA 92037 (US). **LIN, Richard, J.** [CN/US]; 7595 Charmant Drive #707, San Diego, CA 92122 (US). **NAGY, Laszlo** [HU/US]; 12550 Carmel Creek Road #93, San Diego, CA 92130 (US).

(74) **REITER, Stephen, E.**; Gray Cary Ware & Freidenrich LLP, Suite 1600, 4365 Executive Drive, San Diego, CA 92121 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23886** (13) A1

(21) PCT/EP98/07514

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/969,032 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 57/20 // (A01N 57/20, 43:80, 41:10, 41:04)**

(54) • METHOD OF CONTROLLING WEEDS IN TRANSGENIC CROPS
• PROCEDE PERMETTANT DE FREINER LA PROGRESSION DES MAUVAISES HERBES DANS DES CULTURES TRANSGENIQUES

(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) **DE ROSE, Richard** [US/FR]; 216, rue de St. Cyr, F–69009 Lyon (FR). **PALLETT, Ken** [GB/GB]; Rhône–Poulenc Agriculture Ltd., Fyfield Road, Ongar, Essex CM5 0HW (GB). **PELISSIER, Bernard** [FR/FR]; 49, chemin de Crecy, F–69370 St. Didier au Mont d'Or (FR). **SAILLAND, Alain** [FR/FR]; 38, rue Albert Chalinel, F–69009 Lyon (FR). **VRABEL, Thomas, Edward** [US/US]; 7900 Hollander Place, Raleigh, NC 27606 (US).

(74) **TETAZ, Franck**; Rhône Poulenc Agro, 14/20, rue Pierre Baizet, Boîte postale 9163, F–69009 Lyon (FR).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HU ID IL IS JP KP KR 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/23887** (13) A1

(21) PCT/DK98/00477

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 1273/97 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DK

(31) 9801144 (32) **10 Sep/sep 1998 (10.09.1998)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A01N 63/04, 37/10, 35/04, A61K 7/00, C11D 3/386, 3/48, G02C 13/00, C09D 5/14**

(54) • ANTIMICROBIAL ACTIVITY OF LACCASES
• ACTIVITE ANTIMICROBIENNE DES LACASSES

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

(72) **JOHANSEN, Charlotte**; Vasevej 1, DK–2840 Holte (DK). **PEDERSEN, Anders, Hjelholt**; Nybro Vænge 58, DK–2800 Lyngby (DK). **FUGLSANG, Claus, Crone**; Poppelhøj 43, DK–2990 Nivå (DK).

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

(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).

---

(11) **WO 99/23888** (13) A1

(21) PCT/US98/23747

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,083 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23B 4/03, A23L 1/06, A47J 31/00, F26B 13/10**

(54) • ROASTING SYSTEM
• SYSTEME DE TORREFACTION

(71) **FRESH ROAST SYSTEMS, INC.** [US/US]; 1225 N. McDowell Boulevard, Petaluma, CA 94954 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ALLINGTON, Roger, A.** [US/US]; 5712 Los Alamos Court, Santa Rosa, CA 95409 (US). **TORBET, Philip, A.** [US/US]; 125 Bay Point Drive, San Rafael, CA 94901 (US).

(74) **SEKA, J., Georg** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23889** (13) A2

(21) PCT/US98/23714

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/064,784 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23B 7/00**

(54) • USE OF LYSOPHOSPHATIDYLETHANOLAMINE (18:1) AND LYSOPHOSPHATIDYLINOSITOL TO RETARD SENESCENE AND TO ENHANCE FRUIT RIPENING
• UTILISATION DE LYSOPHOSPHATIDYLETHANOLAMINE (18:1) ET DE LYSOPHOSPHATIDYLINOSITOL POUR RETARDER LA SENESCENCE ET ACCROITRE LE MURISSEMENT DES FRUITS

(63) US 60/064,784 (CIP) 10 Nov/nov 1997 (10.11.1997)

(71) **WISCONSIN ALUMNI RESEARCH FOUNDATION** [US/US]; P.O. Box 7365, Madison, WI 53707–7365 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PALTA, Jiwan, Paul** [US/US]; 6 Rosewood Circle, Madison, WI 53711 (US). **RYU, Stephen, Beungtae** [KR/US]; 14–A University Houses, Madison, WI 53711 (US).

(74) **MUELLER, Lisa, V.**; Rockey, Milnamow & Katz, Ltd., 2 Prudential Plaza, Suite 4700, 180 N. Stetson Avenue, Chicago, IL 60601 (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 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).

(11) **WO 99/23890** (13) A1

(21) PCT/EP98/06760

(22) **24 Oct/oct 1998 (24.10.1998)**

(25) en (26) en

(31) MI97A002496 (32) **7 Nov/nov 1997 (07.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23F 5/16**

(54) • PROCESS FOR REMOVING MICOTOXINS FROM A LOAD OF GREEN COFFEE
• PROCEDE SERVANT A SUPPRIMER DES MICOTOXINES DEPUIS UNE CHARGE DE CAFE VERT

(71) **DEMUS S.P.A.** [IT/IT]; Via G. & S. Caboto, 31, I–34147 Trieste (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FABIAN, Massimiliano** [IT/IT]; Demus S.p.A., Via G. & S. Caboto, 31, I–34147 Trieste (IT).

(74) **FERRAIOLO, Ruggero** et al. / etc.; Via Napo Torriani, 10, I–20124 Milano (IT).

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

Published / Publiée : *(c)*

---

(11) **WO 99/23891** (13) A1

(21) PCT/GB98/03340

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723615.2 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

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

(54) • SINKABLE FISH FOOD PELLETS HAVING GOOD PALATABLE PROPERTIES
• BOULETTES DE NOURRITURE POUR POISSON POUVANT ETRE IMMERGEES ET AYANT DE BONNES PROPRIETES ORGANOLEPTIQUES

(71) **EWOS LIMITED** [GB/GB]; Ewos Technology Centre, Unit 1, Kingsthorne Park, Houstoun Industrial Estate, Livingston EH54 5DB (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NISSINEN, Vesa, Juhani** [FI/GB]; 30 Dovecot Park, Linlithgow, West Lothian EH49 7LH (GB). **MANN, Jason, Jasminder** [CA/CA]; 13139–63A Avenue, Surrey, British Columbia V3X 2E4 (CA). **SNEDDON, Scott** [GB/GB]; 63 Elderslea Road, Carluke ML8 4LH (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/23892** (13) A1

(21) PCT/JP97/04825

(22) **25 Dec/déc 1997 (25.12.1997)**

(25) ja (26) ja

(31) 9/307752 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23K 1/18, 1/16**

(54) • CAT FOOD
• ALIMENT POUR CHAT

(71) **INABA SHOKUHIN CO., LTD.** [JP/JP]; 114–1, Kitada, Yui–cho, Ihara–gun, Shizuoka 421–31 (JP). **NIKKO SHOJI CO., LTD.** [JP/JP]; 1–16, Kaigan 2–chome, Minato–ku, Tokyo 105 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **INABA, Atsuhiro** [JP/JP]; Inaba Shokuhin Co., Ltd., 114–1, Kitada, Yui–cho, Ihara–gun, Shizuoka 421–31 (JP).

(74) **KITAMURA, Hitoshi**; Oumikaikan Building, 4th floor, 3–7, Higashi–Nihonbashi 3–chome, Chuo–ku, Tokyo 103–0004 (JP).

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

---

(11) **WO 99/23893** (13) A1

(21) PCT/CA98/01054

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 2,220,908 (32) **12 Nov/nov 1997 (12.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23L 1/01, 1/217, A47J 37/12, B26D 7/06, A21B 5/08**

(54) • METHOD AND APPARATUS FOR FRYING POTATO CHIPS AND RELATED FOODSTUFFS
• PROCEDE ET APPAREIL UTILES POUR FRIRE DES CHIPS DE POMME DE TERRE ET DES PRODUITS ALIMENTAIRES APPARENTES

(71) **CHIPPERY POTATO CHIP FACTORY, INC.** [CA/CA]; Suite 402, 45 St. Clair Avenue West, Toronto, Ontario M4V 1K9 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SMITH, Christopher, A.** [CA/CA]; 87 Whitehall Road, Toronto, Ontario M4W 2L8 (CA). **WOODEY, Raymond, Kenneth** [CA/CA]; 43 Kilbirnie Court, Kitchener, Ontario N2R 1B8 (CA).

(74) **GALLOWAY, Warren, J.**; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R9 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23894** (13) A1

(21) PCT/US98/24204

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/098,562 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23L 1/01**

(54) • SYSTEM AND METHOD FOR PREPARING SKINNED FOOD PRODUCTS
• SYSTEME ET PROCEDE DE PREPARATION DE PRODUITS ALIMENTAIRES PELES

(71) **CALIFORNIA FIRE–ROASTED, LLC** [US/US]; 1520 Terminal Street, West Sacramento, CA 95691 (US).

(72) **RISNER, Spencer, Charles, Jr.**; 9430 Trenton Way, Stockton, CA 95212 (US). **DURST, Greg, M.**; 1317 Railroad Avenue, Yuba City, CA 95991 (US). **FELICE, Salvatore, C.**; 2851 Fallon Road, Hollister, CA 95023 (US).

(74) **MARTINE, Peter, B.**; Martine Penilla & Kim, LLP, 830 West Evelyn Avenue, Sunnyvale, CA 94086 (US).

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

---

(11) **WO 99/23895** (13) A1

(21) PCT/US98/23305

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 60/064,993 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23L 1/18**

(54) • HOT AIR POPCORN MACHINE
• MACHINE A POP–CORN A AIR CHAUD

(71) **POP–N–GO, INC.** [US/US]; 12429 E. Putnam Street, Whittier, CA 90602 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WYMAN, Melvin, J.** [US/US]; 1154 Palms Boulevard, Venice, CA 90291 (US). **YOUNG, Roger, C.** [US/US]; 21865 Heatheridge Drive, Yorba Linda, CA 92887 (US). **DILLON, Bobby** [US/US]; 9590 Jo Jo Way, Riverside, CA 92503 (US). **MOODY, Dwight, A.** [US/US]; 1052 Hyde Park Drive, Santa Ana, CA 92705 (US). **BROKKE, Vernon, L., M.** [US/US]; 1111 Vineyard Hill Road, Baltimore, MD 21228 (US).

(74) **FREILICH, Arthur**; Freilich, Hornbaker & Rosen, Suite 840, 10960 Wilshire Boulevard, Los Angeles, CA 90024 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE 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 US 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 GW ML MR NE SN TD TG).

---

(11) **WO 99/23896** (13) A1

(21) PCT/EP98/06456

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/965,665 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23L 1/304**

(54) • CALCIUM COMPLEXES FOR FORTIFICATION OF FOODS

- COMPLEXES DE CALCIUM SERVANT A RENFORCER DES PRODUITS ALIMENTAIRES

(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) **JACOBSON, Mark, Randolph** [US/US]; 27 Candlewood Springs, New Milford, CT 06776 (US). **VADEHRA, Dharam, Vir** [US/US]; 6 Hallets Road, New Milford, CT 06776 (US). **WEDRAL, Elaine, Regina** [US/US]; R.R. 2, P.O. Box 480A, Chestnut Hill Road, Sherman, CT 06784 (US). **SHER, Alexander** [RU/US]; Apartment 706–S, 5901 Montrose Road, Rockville, MD 20852 (US). **MALLANGI, Chandrasekhara, Reddy** [US/US]; 2 Briar Lane, New Milford, CT 06776 (US).

(74) **PATE, George, Frederick**; Avenue Nestlé 55, CH–1800 Vevey (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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/23897** (13) A1

(21) PCT/ES98/00299

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) es (26) es

(31) P 9702351 (32) **11 Nov/nov 1997 (11.11.1997)** (33) ES

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A23N 7/02, A47J 17/16**

(54) • MACHINE FOR PEELING FRUITS AND VEGETABLES
• MACHINE A EPLUCHER LES FRUITS ET LES LEGUMES

(71) **PELANAR, S.L.** [ES/ES]; Castell, 23, E–46687 Albalat de la Ribera (ES). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **PEREZ GONZALVO, José** [ES/ES]; Castell, 23, E–46687 Albalat de la Ribera (ES).

(74) **SANZ–BERMELL MARTINEZ, Alejandro**; Játiva, 4, E–46002 Valencia (ES).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL 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; 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).

---

(11) **WO 99/23898** (13) A1

(21) PCT/IT98/00309

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) RM97A000690 (32) **10 Nov/nov 1997 (10.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A24B 3/04, 3/12**

(54) • NEW MACHINERY FOR CASING AND MOISTENING TOBACCO
• NOUVEL EQUIPEMENT POUR LE SAUÇAGE ET L'HUMIDIFICATION DU TABAC

(71, 72) **MASTROLILLI, Anna** [IT/IT]; Via Giuseppe Mantellini, 38, I–00179 Roma (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23899** (13) A1

(21) PCT/CH98/00481

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) fr (26) fr

(31) 97810862.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A24C 5/39**

(54) • METHOD FOR CONVEYING A TOBACCO FLUX, FEEDER AND CIGARETTE–MAKING MACHINE EQUIPPED WITH SUCH A FEEDER
• PROCEDE D'ACHEMINEMENT D'UN FLUX DE TABAC, DISTRIBUTEUR ET MACHINE DE FABRICATION DE CIGARETTES EQUIPEE D'UN TEL DISTRIBUTEUR

(71) **FABRIQUES DE TABAC REUNIES S.A.** [CH/CH]; 3, quai Jeanrenaud, CH–2000 Neuchâtel (CH).

(72) **VUILLEUMIER, David**; 5, Saules, CH–2013 Colombier (CH). **TALLIER, Bernard**; 11, Signal, CH–2016 Cortaillod (CH).

(74) **BOVARD S.A.**; Optingenstrasse 16, CH–3000 Berne 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 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 SK (Utility model / modèle d'utilité) 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); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23900** (13) A1

(21) PCT/AU98/00932

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) PP 0287 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A41B 9/02, 9/04**

(54) • AN UNDERGARMENT
• SOUS–VETEMENT

(71, 72) **COUSINS, Darryl, James** [AU/AU]; 18 Streatley Street, Lathlain, W.A. 6100 (AU).

(74) **HARWOOD, Errol, John** et al. / etc.; Wray & Associates, 239 Adelaide Terrace, Perth, W.A. 6000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23901** (13) A2

(21) PCT/CA98/01049

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/064,770 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A41D 3/00**

(54) • JACKET WITH DROP DOWN PANTS
• VESTE AVEC PANTALON RABATTABLE

(71, 72) **MAJERFELD, Eddie** [CA/CA]; 2350 Saint–Louis, Saint–Laurent, Quebec H4M 1P5 (CA).

(74) **SOFIA, Michel** 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23902** (13) A1

(21) PCT/GB98/03347

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723640.0 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A41D 13/00, A62B 17/00**

(54) • BOOT TO CLOTHING DETACHABLE CONNECTOR
• CONNECTEUR AMOVIBLE RELIANT LES BOTTES AUX VETEMENTS

(71) **BRITISH BATA LIMITED** [GB/GB]; Princess Margaret Road, East Tilbury, Grays, Essex RM18 8RL (GB). **BULLET INNOVATIONS LIMITED** [GB/GB]; Salisbury House, Station Road, Cambridge CB1 2LA (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MANNING, Peter, Anthony** [GB/GB]; 156 Badminton Road, Coalpit Heath, Bristol BS17 2SZ (GB).

(74) **ROBERTS, Gwilym, Vaughan** et al. / etc.; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23903** (13) A1

(21) PCT/US98/22672

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) en (26) en

(31) 08/968,377 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A41D 31/00, A43B 1/00, A46B 1/00, A63B 37/12, 39/06, 53/04**

(54) • LOW FRICTION ARTICLES
• ARTICLES A FAIBLE FROTTEMENT

(71, 72) **GUNN, Robert, T.** [US/US]; Apartment 11E, 360 East 65th Street, New York, NY 10021 (US).

(74) **LAWRENCE, William, F.** et al. / etc.; Frommer Lawrence & Haug LLP, 745 Fifth Avenue, New York, NY 10151 (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).

---

(11) **WO 99/23904** (13) A1

(21) PCT/EP98/07144

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 297 19 946.3 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A44B 18/00**

(54) • FASTENER FOR ELASTIC MATERIALS
• FERMETURE POUR MATERIAUX ELASTIQUES

(71, 72) **TÜRK, Rudolf** [DE/DE]; Uppenbornstrasse 22a, D–81735 München (DE).

(74) **SCHURACK, Eduard**; Strasse & Hofstetter, Balanstrasse 57, D–81541 München (DE).

(81) AU BR 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)*

---

(11) **WO 99/23905** (13) A1

(21) PCT/US98/02957

(22) **3 Apr/avr 1998 (03.04.1998)**

(25) en (26) en

(31) 08/965,305 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A44B 18/00**

(54) • PRESSURE–SENSITIVE ADHESIVE COATED LINERLESS NON–WOVEN LOOP
• BANDE NON TISSEE A BOUCLES SANS SUPPORT RECOUVERTE D'UN ADHESIF SENSIBLE A LA PRESSION

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **SETH, Jayshree**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **LUCKING, Rachel, M.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **POLSKI, Stephen, P.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **BOND, William, 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 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).

---

(11) **WO 99/23906** (13) A1

(21) PCT/GB98/03402

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723929.7 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(31) 9726165.5 (32) **10 Dec/déc 1997 (10.12.1997)** (33) GB

(31) 9812231.0 (32) **5 Jun/juin 1998 (05.06.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A44C 15/00**

(54) • IMPROVEMENTS RELATING TO JEWELLERY ILLUMINATION
• AMELIORATIONS APPORTEES AU SCINTILLEMENT DES BIJOUX

(71) **SCINTILLATE LIMITED** [GB/GB]; D & D Law Agency Services Limited, 96/99 Temple Chambers, Temple Avenue, London EC4Y 0HP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MICHAEL, Peter, Colin** [GB/GB]; Eddington House, Hungerford, Berkshire RG17 0PL (GB). **HOLMES, Andrew, Sean** [GB/GB]; 36 Claygate Road, Ealing, London W13 9UQ (GB). **SYMS, Richard, Rodney, Anthony** [GB/GB]; 59 Woodstock Avenue, Ealing, London W13 9UQ (GB).

(74) **AHMAD, Sheikh, Shakeel** et al. / etc.; David Keltie Associates, 12 New Fetter Lane, London EC4A 1AP (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/23907** (13) A2

(21) PCT/US98/23352

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/967,842 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A45D**

(54) • SHAMPOO BOWL WITH DUAL SUPPORT MEMBERS
• BAC A SHAMPOOING A DOUBLE ELEMENT DE SUPPORT

(71, 72) **SPENCER, Gary, W.** [US/US]; 10870 Cabbage Pond Court, Jacksonville, FL 32257 (US).

(74) **SAITTA, Thomas, C.**; Law Office of Thomas C. Saitta, P.A., Suite 203, 6821 Southpoint Drive North, Jacksonville, FL 32216 (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).

---

(11) **WO 99/23908** (13) A1

(21) PCT/GB98/03313

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723451.2 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A45D 40/00**

(54) • SEAL FOR A DEVICE COMPRISING AN ENVELOPE CONTAINING A FLUID MATERIAL AND METHOD FOR MAKING SUCH A DEVICE
• JOINT CONÇU POUR UN DISPOSITIF COMPOSE D'UNE ENVELOPPE CONTENANT UN MATERIAU LIQUIDE ET PROCEDE SERVANT A FABRIQUER CE DISPOSITIF

(71) **THE BEAUTIFUL BOUQUET COMPANY LIMITED** [GB/GB]; Old Church Chambers, 23/24 Sandhill Road, Saint James, Northampton NN5 5LM (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BISHOPP, Derek, Albert** [GB/GB]; Old Church Chambers, 23/24 Sandhill Road, Saint James, Northampton NN5 5LM (GB).

(74) **DUMMETT, Thomas, Ian, Peter** et al. / etc.; Dummett Copp, 25 The Square, Martlesham Heath, Ipswich, Suffolk IP5 3SL (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

(11) **WO 99/23909** (13) A1

(21) PCT/GB98/03314

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723452.0 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A45D 40/00**

(54) • ENVELOPE DEVICE CONTAINING A LIQUID VOLATILE MATERIAL AND METHOD FOR MAKING SUCH A DEVICE
• DISPOSITIF CONSTITUANT UNE ENVELOPPE CONTENANT UN MATERIAU LIQUIDE VOLATIL ET PROCEDE SERVANT A FABRIQUER CE DISPOSITIF

(71) **THE BEAUTIFUL BOUQUET COMPANY LIMITED** [GB/GB]; Old Church Chambers, 23/24 Sandhill Road, St James, Northampton NN5 5LM (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BISHOPP, Derek, Albert** [GB/GB]; Old Church Chambers, 23/24 Sandhill Road, St James, Northampton NN5 5LM (GB).

(74) **DUMMETT, Thomas, Ian, Peter** et al. / etc.; Dummett Copp, 25 The Square, Martlesham Heath, Ipswich, Suffolk IP5 3SL (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/23910** (13) A1

(21) PCT/US98/23780

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/968,293 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/177,991 (32) **23 Oct/oct 1998 (23.10.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A46B 9/04**

(54) • TOOTHBRUSH
• BROSSE A DENTS

(63) US 08/968,293 (CIP) 12 Nov/nov 1997 (12.11.1997)
US 09/177,991 (CIP) 23 Oct/oct 1998 (23.10.1998)

(71) **GILLETTE CANADA INC.** [CA/CA]; 16700 Trans Canada, Kirkland, Quebec H9H 4Y8 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BEALS, Donna** [US/US]; 840 Talisman Drive, Sunnyvale, CA 94087 (US). **WONG–PAREDES, Maisie** [US/US]; 509 Osprey Drive, Redwood Shores, CA 94065 (US). **MASTERMAN, Thomas, Craig** [US/US]; 121 Cityhomes Lane, Foster City, CA 94404 (US). **ROBERTS, Michael** [IE/US]; 453 Commercial Street, Braintree, MA 02184 (US). **CASTILLO, Bradley** [US/US]; 2409 Talavera Drive, San Ramon, CA 94583 (US).

(74) **GALLOWAY, Peter, D.**; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23911** (13) A1

(21) PCT/BE98/00173

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9700903 (32) **12 Nov/nov 1997 (12.11.1997)** (33) BE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A46B 11/00, 5/00**

(54) • TOOTH BRUSH TOOTH PASTE TUBE UNDER PRESSURE
• BROSSE A DENTS DEUX EN UN COMPORTANT UN TUBE DE GEL DENTIFRICE SOUS PRESSION

(71) **GIELEN, Georges, Jean, Willy** [BE/BE]; Maastrichtersteenweg 70, B–3770 Riemst (BE). **GIELEN, Raju, Georges, Paul** [BE/BE]; Maastrichtersteenweg 70, B–3770 Riemst (BE).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **GIELEN, Gigi, Maria, Catharina** [BE/BE]; Maastrichtersteenweg 70, B–3770 Riemst (BE). **COENEGRACHTS, Paula, Maria, Wilhelmina** [BE/BE]; Maastrichtersteenweg 70, B–3770 Riemst (BE).

(81) AU BR CA CN ID IL JP KE KP KR LK MG MX NO NZ PL PT RU SG SL TR US VN YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/23912** (13) A2

(21) PCT/EP98/06904

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) de (26) de

(31) 197 49 564.8 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A46D**

(54) • METHOD FOR PRODUCING A BRISTLE, ESPECIALLY FOR A TOOTHBRUSH
• PROCEDE POUR PRODUIRE UN POIL DE BROSSERIE, NOTAMMENT POUR UNE BROSSE A DENTS

(71) **BRAUN AKTIENGESELLSCHAFT** [DE/DE]; Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HANS, Rainer** [DE/DE]; Unter der Hambach 14, D–65510 Idstein (DE). **DRIESEN, Georges** [BE/DE]; Bangerstrasse 21, D–61276 Weilrod (DE). **ZIMMET, Helge** [DE/US]; 103 Liberty Avenue 3, Somerville, MA 02144 (US).

(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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23913** (13) A1

(21) PCT/EP98/07096

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 999.6 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47B 88/04**

(54) • PULL–OUT FITTING FOR DRAWERS
• FERRURE D'EXTRACTION POUR TIROIR

(71) **FORMAPLAN HOLZWERKSTOFFE GMBH & CO.** [DE/DE]; Gehastrasse 2–4, D–33161 Hövelhof (DE).

(72) **OELSCHLÄGER, Rainer**; Rietberger Strasse 126, D–33129 Delbrück (DE). **HERMES, Heinz**; Memelstrasse 3, D–33161 Hövelhof (DE).

(74) **HANEWINKEL, Lorenz**; Ferrariweg 17a, D–33102 Paderborn (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/23914** (13) A1

(21) PCT/GR98/00030

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 970100437 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47C 1/16, 31/10**

(54) • SEAT COVER
• HOUSSE DE SIEGE

(71, 72) **THANOPOYLOS, George** [GR/GR]; 21 Adrianou Street, GR–143 41 New Philadelphia, Attikis (GR).

(81) CA NO RU UA US YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/23915** (13) A1

(21) PCT/CA98/01044

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,024 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 2,230,519 (32) **25 Feb/fév 1998 (25.02.1998)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47C 21/00**

(54) • BODY REST STRUCTURES
• STRUCTURES DE MAINTIEN CORPOREL

(71, 72) **LEUNG, Patrick, Wai–Chung** [CA/CA]; 1535 Ostler Court, North Vancouver, British Columbia V7G 2P1 (CA).

(74) **TURLOCK, Lance, A.**; Davis & Company, 2800 Park Place, 666 Burrard Street, Vancouver, British Columbia V6C 2Z7 (CA).

(81) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/23916** (13) A1

(21) PCT/GB98/03343

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723444.7 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47D 13/02**

(54) • IMPROVEMENTS IN CHILD CARRYING AIDS
• AMELIORATIONS D'UN DISPOSITIF PERMETTANT DE PORTER UN ENFANT

(71, 72) **SYKES, Bryan** [GB/GB]; Wolfson College, Oxford OX2 6UD (GB).

(74) **H.N. & W.S. SKERRETT**; Charles House, 148/9 Great Charles Street, Birmingham B3 3HT (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23917** (13) A1

(21) PCT/DE98/03241

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 454.4 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(31) 198 42 285.7 (32) **16 Sep/sep 1998 (16.09.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47D 15/00, A63H 33/00**

(54) • CRIB
• LIT D'ENFANT A BARREAUX

(71, 72) **KÜNKES, Detlef** [DE/DE]; Löhnener Kirchweg 6, D–46562 Voerde (DE).

(74) **DOBLER, Markus** et al. / etc.; Eisele, Otten, Roth & Dabler, Karlstrasse 8, D–88212 Ravensburg (DE).

(81) AU CA JP NO SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/23918** (13) A1

(21) PCT/US98/23679

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/967,381 (32) **8 Nov/nov 1997 (08.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47F 1/12**

(54) • MERCHANDISING DISPLAY TRACK DEVICE OF MULTIPLE–PIECE CONSTRUCTION
• DISPOSITIF A RAILS A ELEMENTS MULTIPLES POUR MARCHANDISES

(71) **THE MEAD CORPORATION** [US/US]; Courthouse Plaza, Northeast, Dayton, OH 45463 (US).

(72) **PARHAM, Dennis, E.**; 2509 Hollins Drive, Kennesaw, GA 30144 (US).

(74) **SUZUKI, Tsugihiko** et al. / etc.; The Mead Corporation, 4850D North Church Lane, Smyrna, GA 30080 (US).

(81) AU BR BY CA CN CZ EE HU ID IL KE KR LT LV MX NO NZ PL RO RU SG SK TR VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/23919** (13) A1

(21) PCT/AU97/00775

(22) **11 Nov/nov 1997 (11.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47F 5/03, 7/08, A47B 49/00**

(54) • ROTARY STORAGE DEVICE
• DISPOSITIF DE STOCKAGE TOURNANT

(71, 72) **GOULD, Terrence, Malcom** [AU/AU]; 68 Prices Circuit, Woronora, NSW 2233 (AU).

(74) **H.R. HODGKINSON & CO.**; Level 3, 20 Alfred Street, Milsons Point, NSW 2061 (AU).

(81) AL AU BA BB BG BR CA CN CU CZ EE GB 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; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/23920** (13) A1

(21) PCT/ES98/00297

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) es (26) es

(31) U 9702892 (32) **10 Nov/nov 1997 (10.11.1997)** (33) ES

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47G 1/14**

(54) • NOVEL PHOTO–HOLDER
• NOUVEAU PORTE–PHOTOS

(71, 72) **HIDALGO SOLERA, Luis** [ES/ES]; Carolina Alvarez, 27 esc. dcha. pta. 3, E–46023 Valencia (ES).

(74) **CAÑADELL ISERN, Roberto**; Travesera de Gracia, 30, 1ºC, E–08021 Barcelona (ES).

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

---

(11) **WO 99/23921** (13) A1

(21) PCT/NL98/00638

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) nl (26) en

(31) 1007520 (32) **12 Nov/nov 1997 (12.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47G 23/06**

(54) • DEVICE FOR CARRYING EATING AND DRINKING TABLEWARE
• DISPOSITIF POUR PORTER DES ARTICLES DE TABLE POUR REPAS ET BOISSONS

(71) **INNOESSENTIALS INTERNATIONAL B.V.** [NL/NL]; Rivium Westlaan 19, NL–2909 LD Capelle A/D IJssel (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VERWOERD, Maria, Teunie** [NL/NL]; Hoofdweg 40, NL–6744 WL Ederveen (NL).

(74) **RIEMENS, R., H.**; Van Exter Polak & Charlouis B.V., P.O. Box 3241, NL–2280 GE Rijswijk (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23922** (13) A1

(21) PCT/KR98/00355

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 1997/31444 (32) **8 Nov/nov 1997 (08.11.1997)** (33) KR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47G 25/40**

(54) • CLOTHES HANGER
• CINTRE

(71) **LEE, Jae, Seon** [KR/KR]; Hyunkwang Apt. 102–dong 703–ho, 707–5, Jarkjun 3–dong Kyaeyang–ku, Inchun city 407–063 (KR).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **LEE, Jae, Hwon** [KR/KR]; Anyangbonvila 21–dong 101–ho, 91–21, Anyang 1–dong Manan–ku, Anyang city Kyungkido 430–011 (KR).

(81) AU BG BR CA CH CN CZ HU ID IL JP KP MX NO NZ PL RO SG TR US 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).

---

(11) **WO 99/23923** (13) A1

(21) PCT/US98/23334

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 60/064,947 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/166,810 (32) **6 Oct/oct 1998 (06.10.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47G 33/06**

(54) • ARTIFICIAL LEAF DECORATIONS AND METHOD OF FORMING SAME
• DECORATIONS A BASE DE FEUILLAGES ARTIFICIELS ET PROCEDE DE FABRICATION

(71, 72) **PULEO, Joseph, Jr.** [US/US]; 7 Debra Court, Scotch Plains, NJ 07076 (US).

(74) **GOLDMAN, Stephen, B.** et al. / etc.; Lerner, David, Littenberg, Krumholz & Mentlik, LLP, 600 South Avenue West, Westfield, NJ 07090 (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).

---

(11) **WO 99/23924** (13) A1

(21) PCT/EP98/05371

(22) **25 Aug/août 1998 (25.08.1998)**

(25) en (26) en

(31) MI97A002497 (32) **7 Nov/nov 1997 (07.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47J 27/09**

(54) • LID FOR PRESSURE COOKER WITH SAFETY DEVICE
• COUVERCLE POUR AUTOCUISEUR AVEC SYSTEME DE SECURITE

(71) **AETERNUM S.R.L.** [IT/IT]; Via Monte Guglielmo, 1, I–25060 Villa Carcina (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BUGATTI, Silvano** [IT/IT]; Via Madonnina, 22/B, I–25067 Lumezzane Sant'Apollonio (IT).

(74) **DE NOVA, Roberto** et al. / etc.; Jacobacci & Perani S.p.A., Via Visconti di Modrone, 7, I–20122 Milan (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23925** (13) A1

(21) PCT/CA98/01039

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,652 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47K 5/12, 5/122, G01F 11/00, 11/08, 13/00**

(54) • DISPENSER FOR LIQUIDS
• DISTRIBUTEUR DE LIQUIDES

(71) **KAUFMAN PRODUCTS INC.** [CA/CA]; Suite 103, 470 Morden Road, Oakville, Ontario L6K 3W4 (CA).

(72) **KAUFMAN, John, G.**; 320 Lakeview Avenue, Burlington, Ontario L7N 1Z1 (CA). **RAMPEN, Edmond, L.**; 260 King Street, Oakville, Ontario L6J 1B7 (CA).

(74) **SCOTT, Christopher, R.** et al. / etc.; Rogers & Scott, 214 Randall Street, Oakville, Ontario L6J 1P7 (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 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 : *(c)*

---

(11) **WO 99/23926** (13) A1

(21) PCT/US98/23553

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/966,048 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47K 11/10, A46B 11/00**

(54) • COMBINED BRUSH AND STORAGE CONTAINER/DISINFECTING SYSTEM
• ENSEMBLE BROSSE–RECEPTACLE A SYSTEME DE DESINFECTION INCORPORE

(71) **S. C. JOHNSON & SON, INC.** [US/US]; 1525 Howe Street, Racine, WI 53403 (US).

(72) **LEONARD, Stephen, B.**; 8629 Talamasca Drive, Franksville, WI 53126 (US). **PROKOP, Gary, F.**; 830 Pick Street, Wheaton, IL 60187 (US). **LEE, William, A.**; 1518 McCormick Place, Wheaton, IL 60187 (US). **MUSIEL, D., James**; 134 E. Parkfield, Racine, WI 53402 (US).

(74) **BOZEK, Laura, L.** et al. / etc.; S. C. Johnson & Son, Inc., Patent Section, 1525 Howe Street, Racine, WI 53403 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/23927** (13) A1

(21) PCT/GB98/03327

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723375.3 (32) **6 Nov/nov 1997 (06.11.1997)** (33) GB

(31) 9819043.2 (32) **1 Sep/sep 1998 (01.09.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47K 13/10**

(54) • A LIFTING MECHANISM
• MECANISME ELEVATEUR

(71, 72) **KEAVENEY, Enda** [IE/GB]; 3 Waddeston Court, Henry Close, Clay Hill, Enfield, Middlesex EN2 9JX (GB).

(74) **FORRESTER KETLEY & CO.**; Forrester House, 52 Bounds Green Road, London N11 2EY (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23928** (13) A1

(21) PCT/US98/23440

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,932 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/135,690 (32) **18 Aug/août 1998 (18.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47L 13/10, 17/08**

(54) • BATHING IMPLEMENT
• ACCESSOIRE DE BAIN

(71) **VERVE LTD., LLC** [US/US]; Suite 209, 748 Bethlehem Pike, P.O. Box 619, Spring House, PA 19477 (US).

(72) **OSBORNE, James, J.**; 704 Abbeydale Court, Ambler, PA 19002 (US).

(74) **BAK, William** et al. / etc.; Howson and Howson, Spring House Corporate Center, P.O. Box 457, Spring House, PA 19477 (US).

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

---

(11) **WO 99/23929** (13) A1

(21) PCT/US98/23081

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/965,579 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 09/008,868 (32) **20 Jan/jan 1998 (20.01.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47L 13/12, 13/26**

(54) • PUSH BRUSH CLEANER
• BALAI–BROSSE A POUSSEE

(71) **R.E. WHITTAKER COMPANY, INC.** [US/US]; 302 South Croton Avenue, New Castle, PA 16101 (US).

(72) **WHITTAKER, Richard, E.**; R.D. #8, New Castle, PA 16105 (US). **DAYTNER, Eric**; 815 Lynn Street, New Castle, PA 16101 (US). **WHITTAKER, Thomas, R.**; R.D. #3, New Castle, PA 16108 (US).

(74) **WETTACH, Thomas, C.** et al. / etc.; Titus & McConomy, 20th floor, Four Gateway Center, Pittsburgh, PA 15222 (US).

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

---

(11) **WO 99/23930** (13) A1

(21) PCT/IT98/00313

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) PT97A000013 (32) **12 Nov/nov 1997 (12.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47L 13/142**

(54) • DEVICE FOR WRINGING OUT A MOP
• DISPOSITIF PERMETTANT D'ESSORER UN BALAI A FRANGES

(71) **NICCOLAI, Celestino** [IT/IT]; Via Giacomo Matteotti, 94, I–51036 Larciano (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BECAGLI, Franco** [IT/IT]; Via Ponte Monsummano, 70, I–51018 Pieve a Nievole (IT).

(74) **MANNUCCI, Michele** et al. / etc.; Via della Scala, 4, I–50123 Firenze (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23931** (13) A1

(21) PCT/EP98/06867

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 49 206.1 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47L 13/50, B62B 3/10**

(54) • TRANSPORT CART FOR CLEANING AND COLLECTING RECYCLABLE WASTE
• CHARIOT DE TRANSPORT POUR LE NETTOYAGE ET LA RECUPERATION DE DECHETS RECYCLABLES

(71) **HENKEL–ECOLAB GMBH & CO. OHG** [DE/DE]; Reisholzer Werftstrasse 38–42, D–40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KRESSE, Frank** [DE/DE]; Am Bruchhauser Kamp 12, D–40723 Hilden (DE). **BANSEMIR, Klaus–Peter** [DE/DE]; Ursulaweg 51, D–40764 Langenfeld (DE). **FAUBEL, Heiko** [DE/DE]; Löh 32, D–42929 Hermelskirchen (DE).

(74) **HASE, Christian**; Henkel Kommanditgesellschaft auf Aktien, Patente (VTP), D–40191 Düsseldorf (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)*

---

(11) **WO 99/23932** (13) A1

(21) PCT/SE98/02006

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) sv (26) en

(31) 9704098–4 (32) **10 Nov/nov 1997 (10.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A47L 15/48 // F28B 3/02**

(54) • METHOD FOR DRYING GOODS AND DEVICE FOR CARRYING THROUGH SAID METHOD
• PROCEDE DE SECHAGE D'ARTICLES ET DISPOSITIF PERMETTANT DE REALISER CE PROCEDE

(71, 72) **LARSSON, Åke** [SE/SE]; Lyckogatan 30, S–313 22 Oskarström (SE).

(74) **WAGNER, Heinz** et al. / etc.; H. Wagner & Co. AB, Norra Vallgatan 72, S–211 22 Malmö (SE).

(81) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23933** (13) A2

(21) PCT/US98/23952

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 08/968,496 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B**

(54) • BIPOLAR ELECTROSURGICAL INSTRUMENT WITH REPLACEABLE ELECTRODES
• INSTRUMENT BIPOLAIRE D'ELECTROCHIRURGIE A ELECTRODES AMOVIBLES

(71) **VALLEYLAB, INC.** [US/US]; 5920 Longbow Drive, Boulder, CO 80301–3299 (US).

(72) **SCHMALTZ, Dale, Francis**; 2319 Westview Road, Fort Collins, CO 80524 (US). **LUZZI, Robert**; 4670 White Rock Circle #5, Boulder, CO 80301 (US). **HEARD, David, Nicholas**; 3620 Silver Plume Lane, Boulder, CO 80303 (US). **BUYSSE, Steven, Paul**; 320 Columbine Place, Longmont, CO 80501 (US). **LAWES, Kate, Ryland**; 1303 Alpine Avenue 17B, Boulder, CO 80301 (US). **TRIMBERGER, Daniel, Lee, II**; 4147 16th Street, Greeley, CO 80634 (US). **MITCHELL, Mathew, Erle**; 7339 Buckingham Road, Boulder, CO 80301 (US). **KENNEDY, Jenifer, Serafin**; 5235 Independence Road, Boulder, CO 80301 (US).

(74) **GERSHON, Neil, D.**; United States Surgical Corporation, 150 Glover Avenue, Norwalk, CT 06856 (US).

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

---

(11) **WO 99/23934** (13) A2

(21) PCT/US98/23983

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,105 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B**

(54) • ARTICULATED MAGNETIC GUIDANCE SYSTEMS AND DEVICES AND METHODS FOR USING SAME FOR MAGNETICALLY–ASSISTED SURGERY
• SYSTEMES ET DISPOSITIFS DE GUIDAGE MAGNETIQUES ARTICULES ET TECHNIQUES CORRESPONDANTES D'UTILISATION EN CHIRURGIE A ASSISTANCE MAGNETIQUE

(71) **STEREOTAXIS, INC.** [US/US]; 4041 Forest Park Avenue, St. Louis, MO 63108 (US).

(72) **CREIGHTON, Francis, M.**; 5631 Pershing Avenue #12, St. Louis, MO 63112 (US). **WERP, Peter, R.**; 4400 Lindell Boulevard #23B, St. Louis, MO 63108 (US). **RITTER, Rogers, C.**; 117 Chestnut Ridge Road, Charlottesville, VA 22911 (US).

(74) **WHEELOCK, Bryan, K.**; Howell & Haferkamp, L.C., Suite 1400, 7733 Forsyth Boulevard, St. Louis, MO 63105 (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).

---

(11) **WO 99/23935** (13) A1

(21) PCT/US98/24136

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,949 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 1/30**

(54) • LIFTING RIB RETRACTOR
• ECARTEUR DE COTES AVEC MOYEN DE SOULEVEMENT

(71) **GENZYME CORPORATION** [US/US]; One Mountain Road, Framingham, MA 01701–9322 (US).

(72) **LOONEY, Christopher, Sean**; 12740 Concord Hall Drive, Alpharetta, GA 30202 (US). **EVANS, Douglas, G.**; 555 8th Street, Atlanta, GA 30332 (US).

(74) **ROSENBERG, Sumner, C.** et al. / etc.; Needle & Rosenberg, P.C., 127 Peachtree Street, N.E., Atlanta, GA 30303 (US).

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

---

(11) **WO 99/23936** (13) A2

(21) PCT/US98/23980

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/969,128 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 3/00**

(54) • APPARATUS AND METHOD FOR TRACKING AND COMPENSATING FOR EYE MOVEMENTS

- APPAREIL DE POURSUITE ET DE CORRECTION DES MOUVEMENTS DE L'OEIL ET METHODE AFFERENTE

(71) **IRVISION, INC.** [US/US]; Suite D, 2362 Qume Drive, San Jose, CA 95131 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TELFAIR, William, B.** [US/US]; 3997 Starview Drive, San Jose, CA 95124 (US). **YODER, Paul, R., Jr.** [US/US]; 1220 Foxboro Drive, Norwalk, CT 06851 (US). **BEKKER, Carsten** [AU/AU]; Suite B, 312 Ethan Court, San Ramon, CA 94853 (US). **HOFFMAN, Hanna** [US/US]; 1049 Metro Circle, Palo Alto, CA 94303 (US). **DODD, Paul, William** [US/US]; 1008 Redmond Avenue, San Jose, CA 95120 (US). **JENSEN, Eric, Folmer** [US/US]; 502 Koshland Way, Santa Cruz, CA 95064 (US).

(74) **COHEN, Neil, G.**; Cummings & Lockwood, Four Stamford Plaza, Stamford, CT 06904 (US).

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

---

(11) **WO 99/23937** (13) A1

(21) PCT/CH98/00480

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 97810857.9 (32) **11 Nov/nov 1997 (11.11.1997)** (33) EP

(31) 98810380.0 (32) **29 Apr/avr 1998 (29.04.1998)** (33) EP

(31) 98810895.7 (32) **9 Sep/sep 1998 (09.09.1998)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 3/135**

(54)
- DEVICE FOR THE STEREOSCOPIC EXAMINATION OF A PATIENT'S EYE
- DISPOSITIF POUR L'EXAMEN STEREOSCOPIQUE DE L'OEIL D'UN PATIENT

(71) **HAAG–STREIT AG** [CH/CH]; Gartenstadtstrasse 10, CH–3098 Köniz (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ULBERS, Gerd** [DE/CH]; Bühlenstrasse 3, CH–3132 Riggisberg (CH). **WIDMER, Hansruedi** [CH/CH]; Bifistrasse 22, CH–3145 Niederscherli (CH). **PERTZ, Eberhard** [CH/CH]; 10, chemin du Vaugueny, CH–1066 Epalinges (CH). **STUDER, Reto** [CH/CH]; 13, avenue Jomini, CH–1580 Avenches (CH). **LOBEL, David** [IL/IL]; Mishmar Hagvul Street 16, Afeka, Tel Aviv (IL). **FANKHAUSER, Hans** [CH/CH]; Wierezwil, CH–3255 Rapperswil (CH).

(74) **ROSHARDT, Werner, A.** et al. / etc.; Keller & Partner Patentanwälte AG, Zeughausgasse 5, Postfach, CH–3000 Bern 7 (CH).

(81) AU CA CN JP KR US.

Published / Publiée : *(c)*

---

(11) **WO 99/23938** (13) A1

(21) PCT/US98/23831

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,549 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

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

(54)
- FLUID AND ELECTROLYTE BALANCE MONITORING SYSTEM FOR SURGICAL AND CRITICALLY ILL PATIENTS
- SYSTEMES DE SURVEILLANCE DE L'EQUILIBRE DES LIQUIDES ET DES ELECTROLYTES, DESTINE A DES OPERES ET A DES MALADES EN PHASE CRITIQUE

(71) **AQUINTEL, INC.** [US/US]; 2680 Bayshore Parkway, Mountain View, CA 94043 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARIEFF, Allen, I.** [–/US]; 299 South Street, Sausalito, CA 94965 (US). **STERN, Roger, A.** [–/US]; 10418 Palo Vista Road, Cupertino, CA 95014 (US).

(74) **HITE, J., Eppa**; Carr & Ferrell LLP, Suite 200, 2225 East Bayshore Road, Palo Alto, CA 94303 (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).

---

(11) **WO 99/23939** (13) A1

(21) PCT/US98/24123

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,180 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/00, G01N 21/65**

(54)
- METHOD FOR NON–INVASIVE MEASUREMENT OF AN ANALYTE
- PROCEDE DE MESURE NON INVASIVE D'UN ANALYTE

(71) **LIGHTOUCH MEDICAL, INC.** [US/US]; 6249 Ingham Road, New Hope, PA 18938 (US).

(72) **CHAIKEN, Joseph**; 302 Edwards Drive, Fayettville, NY 13066 (US). **PETERSON, Charles, M.**; 11920 Glen Mill Road, Potomac, MD 20854 (US).

(74) **CANADY, Karen, S.**; Gates & Cooper, Suite 1050, 6701 Center Drive West, Los Angeles, CA 90045 (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).

---

(11) **WO 99/23940** (13) A1

(21) PCT/US97/20186

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/02**

(54)
- NON–INVASIVE TURBULENT BLOOD FLOW IMAGING SYSTEM
- SYSTEME D'IMAGERIE NON INVASIF POUR ECOULEMENT SANGUIN TURBULENT

(71) **MEDACOUSTICS, INC.** [US/US]; Suite 114, 5540 Centerview Drive, Raleigh, NC 27606 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHASSAING, Charles, E.** [US/US]; 9417 Owls Nest Drive, Raleigh, NC 27613 (US). **STEARNS, Scott, Donaldson** [US/US]; 203 Redding Lane, Cary, NC 27513 (US). **VANHORN, Mark, Harold** [US/US]; 912 Salem Woods Drive, Raleigh, NC 27615 (US). **RYDEN, Carl, Ashley** [US/US]; 105 Martins Point Place, Apex, NC 27502 (US).

(74) **IRONS, Edward, S.**; Suite 950, 700 – 13th Street, N.W., Washington, DC 20005 (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 MD MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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)*

---

(11) **WO 99/23941** (13) A1

(21) PCT/AU98/00924

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) PP 0309 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/0205**

(54)
- INTRA AURAL INTEGRATED VITAL SIGNS MONITOR
- DISPOSITIF INTRA–AURICULAIRE INTEGRE DE SURVEILLANCE DES SIGNES VITAUX

(71) **FIELDS, Eden, Elizabeth** [US/US]; 2636 Sawyer Drive, Seabrook, TX 77586 (US). **TROELL, Martha, Elizabeth** [US/US]; 1019 Montour, Houston, TX 77062 (US).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **CLIFT, Vaughan, Lennox** [AU/US]; 807 Noble Springs Road, Houston, TX 77062 (US).

(74) **GRIFFITH HACK**; 509 St. Kilda Road, Melbourne, VIC 3004 (AU).

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

---

(11) **WO 99/23942** (13) A1

(21) PCT/US98/23621

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,869 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/0408**

(54)
- ELECTROCARDIOGRAPHIC MONITORING DURING MAGNETIC RESONANCE IMAGING
- MONITORAGE ELECTROCARDIOGRAPHIQUE PENDANT UN PROCEDE D'IMAGERIE PAR RESONANCE MAGNETIQUE

(71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY, DEPARTMENT OF HEALTHA ND HUMAN SERVICES** [US/US]; Suite 325, 6011 Executive Boulevard, Rockville, MD 20852 (US).

(72) **BERSON, Alan, S.**; 1755 Glastonberry Road, Rockville, MD 20854 (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) 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 IS JP KE KG KP KR KZ 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 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 : *(c)*

---

(11) **WO 99/23943** (13) A1

(21) PCT/DE98/03360

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 768.3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/0432**

(54) • DEVICE FOR DETECTING AND STORING ELECTROCARDIOGRAM SIGNALS
• DISPOSITIF PERMETTANT DE DETECTER ET DE MEMORISER DES SIGNAUX D'ELECTROCARDIOGRAMME

(71) **FACHHOCHSCHULE OFFENBURG** [DE/DE]; Hochschule für Technik und Wirtschaft, Badstrasse 24, D–77562 Offenburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JANSEN, Dirk** [DE/DE]; Im Hubfeld 29, D–77797 Ohlsbach (DE).

(74) **RACKETTE PARTNERSCHAFT**; Kaiser–Joseph–Strasse 179, Postfach 13 10, D–79013 Freiburg (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/23944** (13) A1

(21) PCT/DE98/03225

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 393.9 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/0468, G06F 17/00**

(54) • EVALUATION OF ELECTROCARDIOGRAMS IN THE FIELD OF EXTRASYSTOLES
• ANALYSE DES ELECTROCARDIOGRAMMES EN CE QUI CONCERNE LES EXTRASYSTOLES

(71, 72) **SCHMIDT, Georg** [DE/DE]; Belgradstrasse 19, D–80796 München (DE).

(74) **HAFT, Uwe** et al. / etc.; Franziskanerstrasse 38, D–81669 München (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)*

---

(11) **WO 99/23945** (13) A1

(21) PCT/AU98/00925

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) PP 0310 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/05, 5/107**

(54) • SKIN IMPEDANCE IMAGING SYSTEM
• SYSTEME D'IMAGERIE DE L'IMPEDANCE DE LA PEAU

(71) **FIELDS, Eden, Elizabeth** [US/US]; 2636 Sawyer Drive, Seabrook, TX 77586 (US). **TROELL, Martha, Elizabeth** [US/US]; 1019 Montour, Houston, TX 77062 (US).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **CLIFT, Vaughan, Lennox** [AU/US]; 807 Noble Springs Road, Houston, TX 77062 (US).

(74) **GRIFFITH HACK**; 509 St. Kilda Road, Melbourne, VIC 3004 (AU).

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

---

(11) **WO 99/23946** (13) A1

(21) PCT/US98/23911

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,102 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/020,798 (32) **9 Feb/fév 1998 (09.02.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/05**

(54) • DEVICE AND METHOD FOR SPECIFYING MAGNETIC FIELD FOR SURGICAL APPLICATIONS
• DISPOSITIF ET PROCEDE DE SPECIFICATION DE CHAMP MAGNETIQUE EN VUE D'APPLICATIONS CHIRURGICALES

(71) **STEREOTAXIS, INC.** [–/US]; 4041 Forest Park Avenue, St. Louis, MO 63108 (US).

(72) **BLUME, Walter, M.**; 446 Oak Street, Webster Groves, MO 63119 (US). **EPPLIN, Gerard, H.**; 2775 Diamond Ridge Lane, St. Louis, MO 63131 (US). **GARIBALDI, Jeffrey, M.**; 3733A Huntington Valley Drive, St. Louis, MO 63129 (US).

(74) **WHEELOCK, Bryan, K.**; Howell & Haferkamp, L.C., Suite 1400, 7733 Forsyth Boulevard, St. Louis, MO 63105 (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 : *(c)*

---

(11) **WO 99/23947** (13) A1

(21) PCT/US98/24104

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,348 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 60/081,135 (32) **9 Apr/avr 1998 (09.04.1998)** (33) US

(31) 60/084,814 (32) **8 May/mai 1998 (08.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 5/14**

(54) • FLUID COLLECTION DEVICE WITH CAPTURED RECTRACTABLE NEEDLE
• DISPOSITIF DE PRELEVEMENT DE FLUIDES AVEC AIGUILLE RETRACTABLE CAPTUREE

(71) **MDC INVESTMENT HOLDINGS, INC.** [US/US]; Delaware Trust Building, Suite 200, 900 Market Street, Wilmington, DE 19801 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOTICH, Michael, J.** [US/US]; 2330 Eagle Creek Lane, Oxnard, CA 93030 (US). **HALSETH, Thor, R.** [US/US]; 367 Buckboard Circle, Simi Valley, CA 93065 (US).

(74) **ELAND, Stephen, H.** et al. / etc.; Dann, Dorfman, Herrell & Skillman, P.C., Suite 720, 1601 Market Street, Philadelphia, PA 19103 (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).

---

(11) **WO 99/23948** (13) A1

(21) PCT/US98/20785

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 08/965,262 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 7/02**

(54) • STETHOSCOPE CHESTPIECE
• PIECE TERMINALE DE STETHOSCOPE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **PACKARD, Thomas, J.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **PACKARD, Joy, A.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **HOHENSHELL, Jeffrey, 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) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/23949** (13) A1

(21) PCT/US98/23421

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/966,395 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 8/00**

(54) • METHOD AND APPARATUS FOR SPATIAL FILTERING IN AN INTRAVASCULAR ULTRASOUND IMAGING SYSTEM
• PROCEDE ET APPAREIL DE FILTRAGE SPATIAL DANS UN SYSTEME D'ECHOGRAPHIE INTRAVASCULAIRE

(71) **BOSTON SCIENTIFIC LIMITED** [US/US]; 2710 Orchard Parkway, San Jose, CA 95134 (US).

(72) **TEO, Tat–Jin**; 1035 Aster Avenue #2137, Sunnyvale, CA 94086 (US). **REYNOLDS, J., Steve**; 3010 Middlefield Avenue, Fremont, CA 94539 (US).

(74) **ALLEN, Kenneth, R.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two 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 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).

---

(11) **WO 99/23950** (13) A1

(21) PCT/US98/02836

(22) **17 Feb/fév 1998 (17.02.1998)**

(25) en (26) en

(31) 60/065,107 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 10/00**

(54) • METHOD AND APPARATUS FOR OBTAINING TISSUE SAMPLES
• PROCEDE ET APPAREIL POUR PRELEVEMENT D'ECHANTILLONS TISSULAIRES

(71) **STEREOTAXIS, INC.** [US/US]; Suite 200, 2730 Sand Hill Road, Menlo Park, CA 94025 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WERP, Peter, R.** [US/US]; 146 Clover Way, Los Gatos, CA 95032 (US). **LAWSON, Michael, A.** [US/US]; 427 Dana Meadows Lane, Ballwin, MO 63021 (US).

(74) **WHEELOCK, Bryan, K.**; Howell & Haferkamp, L.C., Suite 1400, 7733 Forsyth Boulevard, St. Louis, MO 63105 (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 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).

---

(11) **WO 99/23951** (13) A1

(21) PCT/AU98/00936

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) PP 0284 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/00, C14B 1/46**

(54) • IMPROVED APPARATUS AND METHOD FOR MICRO–ABRASIONS OF HUMAN TISSUE AND/OR HIDES
• APPAREIL ET PROCEDE AMELIORES PERMETTANT D'EFFECTUER DES MICRO–ABRASIONS SUR DES TISSUS HUMAINS ET/OU SUR DES CUIRS

(71, 72) **GREENBERG, Ronald, Allan** [AU/AU]; 41 Kintyre Road, Woodforde, S.A. 5072 (AU).

(74) **COLLISON & CO.**; 117 King William Street, Adelaide, S.A. 5000 (AU).

(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).

---

(11) **WO 99/23952** (13) A1

(21) PCT/US98/23846

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 60/065,118 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/00**

(54) • BIOLOGICAL PASSAGEWAY OCCLUSION REMOVAL
• ENLEVEMENT D'UNE OCCLUSION DANS UN PASSAGE BIOLOGIQUE

(71, 72) **DUBRUL, William** [US/US]; P.O. Box 246, Redwood City, CA 94064 (US). **FULTON, Richard, Eustis, III** [US/US]; 1556 Wellington Avenue, Grand Junction, CO 81501 (US).

(74) **MCAULAY, Lloyd**; McAulay Nissen Goldberg Kiel & Hand, LLP, 261 Madison Avenue, New York, NY 10016 (US).

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

---

(11) **WO 99/23953** (13) A1

(21) PCT/US98/22835

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 08/968,131 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/064, 17/122, 17/12**

(54) • GASTROINTESTINAL COMPRESSION CLIPS
• PINCES DE COMPRESSION GASTRO–INTESTINALE

(71) **BOSTON SCIENTIFIC CORPORATION** [US/US]; One Boston Scientific Place, Natick, MA 01760 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ADAMS, Ronald, D.** [US/US]; 18 Hillside Drive, Holliston, MA 01746–1480 (US).

(74) **BRAINARD, Charles, R.** et al. / etc.; Kenyon & Kenyon, 1025 Connecticut Avenue, N.W., Washington, DC 20036 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23954** (13) A1

(21) PCT/IE98/00092

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) S970791 (32) **7 Nov/nov 1997 (07.11.1997)** (33) IE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/12**

(54) • IMPLANTABLE OCCLUDER DEVICES FOR MEDICAL USE
• DISPOSITIFS D'OCCLUSION IMPLANTABLES DU TYPE TRANSCATHETER POUR USAGE MEDICAL

(71) **SALVIAC LIMITED** [IE/IE]; 39–40 Upper Mount Street, Dublin 2 (IE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GILSON, Paul** [IE/IE]; Uggool, Moycullen, County Galway (IE). **BRADY, Eamon** [IE/IE]; 12 Karol Avenue, Elphin, County Roscommon (IE).

(74) **O'CONNOR, Donal, H.** et al. / etc.; Cruickshank & Co., 1 Holles Street, Dublin 2 (IE).

(81) 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 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).

Published / Publiée : *(a)*

---

(11) **WO 99/23955** (13) A1

(21) PCT/US98/23456

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/969,139 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/12**

(54) • VASCULAR SHUNT APPARATUS
• DISPOSITIF DE PONTAGE VASCULAIRE

(63) US 08/969,139 (CON) 12 Nov/nov 1997 (12.11.1997)

(71, 72) **LAZZARA, Robert** [US/US]; 1721 33rd Avenue, Seattle, WA 98122 (US).

(74) **VINITSKAYA, Lena, I.** et al. / etc.; Baxter Healthcare Corporation, P.O. Box 15210, Irvine, CA 92623–5210 (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).

---

(11) **WO 99/23956** (13) A1

(21) PCT/EP97/06107

(22) **5 Nov/nov 1997 (05.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/17, 5/107, 5/103**

(54) • VIRTUAL REPRESENTATION OF A BONE OR A BONE JOINT
• REPRESENTATION VIRTUELLE D'UN OS OU D'UNE ARTICULATION

(71) **SYNTHES AG, CHUR** [CH/CH]; Grabenstrasse 15, CH–7002 Chur (CH).
(for all designated States except / pour tous les États désignés sauf CA US)

(71) **SYNTHES (U.S.A.)** [US/US]; 1690 Russell Road, P.O. Box 1766, Paoli, PA 19301–1222 (US).
(only for / seulement pour CA)

(72, 75) **SATI, Marwan** [CA/CH]; Hausmattrain 44, CH–4600 Olten (CH).

(74) **LUSUARDI, Werther**; Dr. Lusuardi AG, Kreuzbühlstrasse 8, CH–8008 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 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 US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/23957** (13) A1

(21) PCT/GB98/03380

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723912.3 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/22**

(54) • APPARATUS FOR AND METHOD OF REMOVING A BLOCKAGE FROM BODY CHANNELS
• DISPOSITIF ET PROCEDE D'ENLEVEMENT D'UN BLOCAGE A PARTIR DE VOIES CORPORELLES

(71) **OLIVER CRISPIN CONSULTING LIMITED** [GB/GB]; 5 Fallodon Way, Henleaze, Bristol BS9 4HR (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BUCKINGHAM, Robert, Oliver** [GB/GB]; 5 Fallodon Way, Henleaze, Bristol BS9 4HR (GB). **GRAHAM, Andrew** [GB/GB]; 30 Queens Court, Queens Road, Clifton, Bristol BS8 1ND (GB). **MITCHELL, David** [GB/GB]; 15 Julian Road, Sneyd Park, Bristol BS9 1JZ (GB).

(74) **BECK, Simon, Antony**; Withers & Rogers, 4 Dyer's Buildings, Holborn, London EC1N 2QP (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23958** (13) A1

(21) PCT/US98/23832

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,001 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/081,614 (32) **13 Apr/avr 1998 (13.04.1998)** (33) US

(31) 60/081,631 (32) **13 Apr/avr 1998 (13.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/22**

(54) • METHODS AND SYSTEMS FOR TREATING OBSTRUCTIONS IN A BODY LUMEN
• PROCEDES ET SYSTEMES DE TRAITEMENT DES OBSTRUCTIONS DANS UNE LUMIERE ORGANIQUE

(71) **PROLIFIX MEDICAL, INC.** [US/US]; Suite B, 453 Ravendale Drive, Mountain View, CA 94043–5200 (US).

(72) **PASSFARO, James, D.**; 107 Belridge Drive, Los Gatos, CA 95032 (US). **WILLIAMS, Ronald, G.**; 149 Campo Bello Lane, Menlo Park, CA 94025 (US). **KUPIECKI, David, J.**; 3276 Market Street, San Francisco, CA 94114 (US). **PATTERSON, Greg, R.**; 1020 Malaga Court, Pleasanton, CA 94566 (US). **MAH, Kathy, M.**; 1077B West Dana Street, Mountain View, CA 94041 (US).

(74) **HESLIN, James, M.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111–3834 (US).

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

---

(11) **WO 99/23959** (13) A1

(21) PCT/US98/23950

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 08/968,779 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/36**

(54) • BIPOLAR ELECTROSURGICAL INSTRUMENT FOR SEALING VESSELS
• INSTRUMENT BIPOLAIRE D'ELECTROCHIRURGIE PERMETTANT DE SOUDER DES VAISSEAUX

(71) **VALLEYLAB, INC.** [US/US]; 5920 Longbow Drive, Boulder, CO 80303 (US).

(72) **BUYSSE, Steven, Paul**; 320 Columbine Place, Longmont, CO 80501 (US). **SCHMALTZ, Dale, Francis**; 2319 Westview Road, Fort Collins, CO 80524 (US). **LUZZI, Robert**; 4670 White Rock Circle #5, Boulder, CO 80301 (US). **OLSON, Kirk, Bryan**; 10256 Thorodin Drive, Golden, CO 80403 (US). **LAWES, Kate, Ryland**; 1303 Alpine Avenue, 17B, Boulder, CO 80304 (US). **TRIMBERGER, Daniel, Lee, II**; 4147 16th Street, Greeley, CO 80634 (US). **MITCHELL, Mathew, Erle**; 7339 Buckingham Road, Boulder, CO 80301 (US). **KENNEDY, Jenifer, Serafin**; 5235 Independence Road, Boulder, CO 80301 (US).

(74) **GERSHON, Neil, D.**; United States Surgical Corporation, 150 Glover Avenue, Norwalk, CT 06856 (US).

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

---

(11) **WO 99/23960** (13) A1

(21) PCT/US98/24125

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,366 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/39**

(54) • METHODS AND APPARATUS FOR WELDING BLOOD VESSELS
• PROCEDES ET INSTRUMENT DE SOUDAGE DE VAISSEAUX SANGUINS

(71) **ISOTHERMIX, INC.** [US/US]; 865 University Avenue #7, Palo Alto, CA 94305 (US).

(72) **BAKER, James, A.**; 4292–P Wilkie Way, Palo Alto, CA 94306 (US).

(74) **PISANO, Nicola, A.** et al. / etc.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (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).

---

(11) **WO 99/23961** (13) A1

(21) PCT/US98/24163

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,630 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/39**

(54) • CATHETER HAVING EXPANDABLE ELECTRODES AND ADJUSTABLE STENT

- CATHETER A ELECTRODES EXTENSIBLES ET PROTHESE ENDOVASCULAIRE REGLABLE

(71) **VNUS MEDICAL TECHNOLOGIES, INC.** [US/US]; 238 E. Caribbean Drive, Sunnyvale, CA 94089 (US).

(72) **FARLEY, Brian, E.**; 1534 Kathy Lane, Los Altos, CA 94024 (US). **TARTAGLIA, Joseph, M.**; 15805 D Ubas Road, Morgan Hill, CA 95037 (US).

(74) **RUNK, Thomas, A.** 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 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).

---

(11) **WO 99/23962** (13) A1

(21) PCT/US97/20262

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/56**

(54)
- REAMING DEVICE AND METHOD FOR PREPARATION OF BONE
- DISPOSITIF RAPE ET TECHNIQUE DE PREPARATION DE L'OS

(71, 72) **SHAPIRO, Jules, S.** [US/US]; 1319 Forest Avenue, Evanston, IL 60201 (US).

(74) **CHESTNUT, John, W.**; Tilton, Fallon, Lungmus & Chestnut, Suite 960, 100 S. Wacker Drive, Chicago, IL 60606 (US).

(81) AU CA CN CZ IL JP KR MX NO NZ SG; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/23963** (13) A1

(21) PCT/FR98/02378

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/14091 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/70**

(54)
- VERTEBRA IMPLANT
- IMPLANT POUR VERTEBRE

(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) **SENEGAS, Jacques** [FR/FR]; 5, allée de Daphné, Rue Alfred de Vigny, F–33700 Mérignac (FR).

(74) **MARTIN, Jean–Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F–75116 Paris (FR).

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

---

(11) **WO 99/23964** (13) A1

(21) PCT/US98/22339

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) en (26) en

(31) 08/966,630 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 17/80**

(54)
- ADJUSTABLE BONE FIXATION PLATE
- PLAQUE DE FIXATION D'OS REGLABLE

(71, 72) **MURRAY, William, M.** [US/US]; 2650 Spring Hill Lane, Enola, PA 17025 (US).

(74) **HOOKER, Thomas** et al. / etc.; Suite 304, Thomas Hooker, P.C., 100 Chestnut Street, Harrisburg, PA 17101 (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).

---

(11) **WO 99/23965** (13) A1

(21) PCT/GB98/03353

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723623.6 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(31) 9816865.1 (32) **3 Aug/août 1998 (03.08.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 19/00**

(54)
- APPARATUS FOR SUPPORTING THE SURGEON'S ARM AND INSTRUMENTS DURING SURGERY
- DISPOSITIF PERMETTANT DE SOUTENIR LE BRAS DU CHIRURGIEN ET SES INSTRUMENTS DURANT UNE INTERVENTION CHIRURGICALE

(71, 72) **SMITH, David** [GB/GB]; 35 Fullerton Road, Milehouse, Plymouth PL2 3AX (GB).

(74) **HARRISON, Ivor, Stanley** et al. / etc.; Withers & Rogers, 4 Dyer's Buildings, Holborn, London EC1N 2QP (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/23966** (13) A1

(21) PCT/US98/20519

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 08/967,692 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 19/00, A61M 37/00**

(54)
- FLEXIBLE MEDICAL CONTAINER WITH SELECTIVELY ENLARGEABLE COMPARTMENTS AND METHOD FOR MAKING SAME
- RECIPIENT MEDICAL SOUPLE POSSEDANT DES COMPARTIMENTS S'ELARGISSANT DE MANIERE SELECTIVE

(71) **B. BRAUN MEDICAL, INC.** [US/US]; 824 Twelfth Avenue, Bethlehem, PA 18018–0027 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPERKO, William, A.** [US/US]; 17272 El Cajon, Yorba Linda, CA 92886 (US). **TURNER, Robert, E.** [US/US]; 1633 Via Tulipan, San Clemente, CA 92673 (US). **SMITH, Steven, L.** [US/US]; 21112 Paseo Verduda, Lake Forest, CA 92630 (US). **RAY, William, B.** [US/US]; 5143 East Marita Lane #B, Anaheim, CA 92807 (US).

(74) **ELDREDGE, John, W.**; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109 (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).

---

(11) **WO 99/23967** (13) A1

(21) PCT/US98/22232

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(31) 08/968,168 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61B 19/00**

(54)
- USE OF HEMOGLOBIN TO TREAT SYSTEMIC INFLAMMATORY RESPONSE SYNDROME
- UTILISATION DE L'HEMOGLOBINE POUR TRAITER UN SYNDROME DE REPONSE INFLAMMATOIRE GENERAL

(71) **BAXTER INTERNATIONAL INC.** [US/US]; One Baxter Parkway, Deerfield, IL 60015 (US).

(72) **BURHOP, Kenneth, E.**; 1230 Regent Drive, Mundelein, IL 60060 (US). **PRZYBELSKI, Robert, J.**; 5834 Timber Land Circle, Fitchburg, WI 53711 (US).

(74) **BARRETT, Joseph, B.** et al. / etc.; Baxter Healthcare Corporation, Route 120 and Wilson Road, Round Lake, IL 60073 (US).

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

---

(11) **WO 99/23968** (13) A1

(21) PCT/US98/23044

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/968,188 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61C 1/00**

(54) • STROBE LIGHT CURING APPARATUS AND METHOD
• APPAREIL ET PROCEDE DE CUISSON A LUMIERE STROBOSCOPIQUE

(71) **COLTENE/WHALEDENT, INC.** [US/US]; 750 Corporate Drive, Mahwah, NJ 07430 (US).

(72) **SULLIVAN, Jerry**; 750 Corporate Drive, Mahwah, NJ 07430 (US).

(74) **KARAS, Aaron, B.** et al. / etc.; Helfgott & Karas, P.C., Empire State Building, 60th floor, New York, NY 10118 (US).

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

---

(11) **WO 99/23969** (13) A1

(21) PCT/EP98/07173

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 597.4 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61C 3/02, 8/00**

(54) • DENTAL INSTRUMENT
• INSTRUMENT DENTAIRE

(71) **GEBR. BRASSELER GMBH & CO. KG** [DE/DE]; Trophagener Weg 25, D–32657 Lemgo (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HARTMANN, Hans–Jürgen** [DE/DE]; Graf–Vieregg–Strasse 2, D–82327 Tutzing (DE). **DANGER, Karl–Heinz** [DE/DE]; Dreierfeld 8, D–32758 Detmold (DE).

(74) **WEBER, Joachim**; Hoefer, Schmitz, Weber, Gabriel–Max–Strasse 29, D–81545 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)*

---

(11) **WO 99/23970** (13) A1

(21) PCT/SE98/01957

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) sv (26) en

(31) 9704113–1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61C 8/00**

(54) • ARRANGEMENT AND ITS USE FOR ANCHORING A THREADED IMPLANT IN BONE, FOR EXAMPLE DENTINE
• DISPOSITIF D'ANCRAGE D'IMPLANT FILETE DANS UN TISSU OSSEUX TEL QUE LA DENTINE ET PROCEDE CORRESPONDANT

(71) **NOBEL BIOCARE AB (publ)** [SE/SE]; P.O. Box 5190, S–402 26 Göteborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BJÖRN, Göran** [SE/SE]; Anåsbergsvägen 11, S–439 34 Onsala (SE). **KVARNSTRÖM, Bjarne** [SE/US]; Suite 100, 777 Oakmont Lane, Westmont, IL 60559 (US).

(74) **OLSSON, Gunnar**; Nobel Biocare AB (publ), P.O. Box 5190, S–402 26 Göteborg (SE).

(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)*

---

(11) **WO 99/23971** (13) A1

(21) PCT/SE98/01982

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) sv (26) en

(31) 9704112–3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61C 8/00**

(54) • ARRANGEMENT FOR OBTAINING RELIABLE ANCHORING OF A THREADED IMPLANT IN BONE
• DISPOSITIF PERMETTANT D'OBTENIR UN ANCRAGE SUR D'UN IMPLANT FILETE DANS UN OS

(71) **NOBEL BIOCARE AB (publ)** [SE/SE]; P.O. Box 5190, S–402 26 Göteborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CARLSSON, Lennart** [SE/SE]; Matildebergsgatan 36, S–431 38 Göteborg (SE). **ENGMAN, Fredrik** [SE/SE]; Häggvägen 19, S–435 37 Mölnlycke (SE). **FROMELL, Roger** [SE/SE]; Malörtsvägen 11, S–449 33 Nödinge (SE). **JÖRNÉUS, Lars** [SE/SE]; Riabergsvägen 7B, S–430 30 Frillesås (SE).

(74) **OLSSON, Gunnar**; Nobel Biocare AB (publ), P.O. Box 5190, S–402 26 Göteborg (SE).

(81) AU BR CA IL JP MX NO PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/23972** (13) A1

(21) PCT/EP98/07049

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 297 19 844.0 (32) **9 Nov/nov 1997 (09.11.1997)** (33) DE

(31) 197 51 793.5 (32) **23 Nov/nov 1997 (23.11.1997)** (33) DE

(31) 198 10 083.3 (32) **10 Mar/mar 1998 (10.03.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61C 9/00**

(54) • CONNECTING PIN AND SOCKET CONNECTION FOR FASTENING DENTAL CROWN OR JAW SEGMENTS
• TIGE D'ASSEMBLAGE ET DISPOSITIF D'ASSEMBLAGE PAR ENFICHAGE POUR LA FIXATION DE SEGMENTS DE COURONNES DENTAIRES OU DE MAXILAIRES

(71, 72) **LAUKS, Robert** [DE/DE]; An der Steige 22, D–73462 Welzheim–Eselshalden (DE).

(74) **MÜLLER, Gottfried** et al. / etc.; Wittner & Müller, Am Ochsenberg 16, D–73614 Schorndorf (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/23973** (13) A1

(21) PCT/SE98/01976

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) sv (26) en

(31) 9704114–9 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61C 13/00**

(54) • METHOD, ARRANGEMENT AND USE OF SPACERS FOR IMPLANTS
• DISPOSITIFS POUR CALES D'IMPLANTS, PROCEDES, ET UTILISATION

(71) **NOBEL BIOCARE AB (publ)** [SE/SE]; P.O. Box 5190, S–402 26 Göteborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANTONSON, Izidor** [SE/SE]; Jennyhillsvägen 7, S–433 30 Partille (SE). **DAHLSTRÖM, Mattias** [SE/SE]; Vadmansgatan 5B, S–412 53 Göteborg (SE).

(74) **OLSSON, Gunnar**; Nobel Biocare AB (publ), P.O. Box 5190, S–402 26 Göteborg (SE).

(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)*

---

(11) **WO 99/23974** (13) A1

(21) PCT/US98/23863

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723826.5 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61C 17/00**

(54) • A DENTURE CLEANING APPARATUS
• DISPOSITIF POUR NETTOYER LES APPAREILS DENTAIRES

(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) **WILLIAMS, Michael, Kevin** [GB/GB]; 107 Easthampstead Road, Workingham, Berkshire RG40 2HU (GB).

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

(81) CA CZ CZ (Utility model / modèle d'utilité) HU NO PL RU SK SK (Utility model / modèle d'utilité) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/23975** (13) A1

(21) PCT/FR98/02405

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) fr (26) fr

(31) 97/14145 (32) **12 Nov/nov 1997 (12.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61C 17/02, A46B 11/06**

(54) • DETACHABLE TOOTHBRUSH FOR SPRAYING DEVICE
• BROSSE DE NETTOYAGE DE DENTS AMOVIBLE POUR DISPOSITIF DE PULVERISATION

(71) **SAGEM S.A.** [FR/FR]; 6, avenue d'Iéna, F–75116 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOULLE, Gérard** [FR/FR]; 5, avenue Alfred Le Petit, F–95530 La Frette sur Seine (FR). **SABBAH, Claude** [FR/FR]; 3, avenue de Messine, F–75008 Paris (FR).

(74) **BLOCH & ASSOCIES**; 2, square de l'Avenue du Bois, F–75116 Paris (FR).

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

---

(11) **WO 99/23976** (13) A1

(21) PCT/IE98/00093

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 970789 (32) **7 Nov/nov 1997 (07.11.1997)** (33) IE

(31) 980267 (32) **8 Apr/avr 1998 (08.04.1998)** (33) IE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 2/01**

(54) • AN EMBOLIC PROTECTION DEVICE
• DISPOSITIF DE PROTECTION EMBOLIQUE

(71) **SALVIAC LIMITED** [IE/IE]; 39–40 Upper Mount Street, Dublin 2 (IE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GILSON, Paul** [IE/IE]; Uggool, Moycullen, County Galway (IE). **BRADY, Eamon** [IE/IE]; 12 Karol Avenue, Elphin, County Roscommon (IE). **VALE, David** [IE/IE]; 26 The Stiles Road, Clontarf, Dublin 3 (IE). **MAHER, Padraig** [IE/IE]; Ridge Road, Gloster, Birr, County Offaly (IE). **TAYLOR, Charles** [GB/GB]; Cuckfield Lane, Warninglid, West Sussex RH17 55N (GB).

(74) **O'CONNOR, Donal, H.** et al. / etc.; Cruickshank & Co., 1 Holles Street, Dublin 2 (IE).

(81) 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/23977** (13) A1

(21) PCT/US98/23609

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,916 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 2/06**

(54) • INTRAVASCULAR STENT AND METHOD FOR MANUFACTURING AN INTRAVASCULAR STENT
• STENT INTRAVASCULAIRE ET PROCEDE DE FABRICATION

(71) **EXPANDABLE GRAFTS PARTNERSHIP** [US/US]; P.O. Box 800699, Dallas, TX 75380–0699 (US).

(72) **PALMAZ, Julio, C.**; 636 Ivy Lane, San Antonio, TX 78209 (US). **SPRAGUE, Eugene, A.**; 8775 Timber Point, San Antonio, TX 78250 (US).

(74) **TOBOR, Ben, D.**; Suite 2300, 1360 Post Oak Boulevard, Houston, TX 77056–3023 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/23978** (13) A1

(21) PCT/DK98/00479

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 1268/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 5/451 // 5/44**

(54) • A URINE COLLECTION BAG
• POCHE DE PRELEVEMENT D'URINE

(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) **TANGHOEJ, Allan** [DK/DK]; Jelleroed Have 59, DK–2980 Kokkedal (DK). **JOERGENSEN, Thomas, Friis** [DK/DK]; Myremosevej 24, DK–2990 Nivaa (DK).

(74) **COLOPLAST A/S**; Patent Dept., Attn.: Kim Nilausen, Holtedam 1, DK–3050 Humlebæk (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 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/23979** (13) A1

(21) PCT/CH98/00459

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 297 19 907.2 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 7/00**

(54) • THERMAL COVER
• ENVELOPPE THERMIQUE

(71) **ZENTRALWÄSCHEREI BASEL – ADRETT AG** [CH/CH]; Flughafenstrasse 215, CH–4025 Basel (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WELTE, Thomas** [DE/DE]; Rosenstrasse 1, D–79576 Weil am Rhein (DE). **DIETLIN, Silvie** [FR/CH]; rue des Jardins, F–68580 Seppois–le–Bas (FR). **DÖRFELT, Kurt, G.** [DE/CH]; Birkenweg 5, CH–5012 Schönenwerd (CH).

(74) **LUSUARDI, Werther**; Dr. Lusuardi AG, Kreuzbühlstrasse 8, CH–8008 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 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).

---

(11) **WO 99/23980** (13) A1

(21) PCT/US98/23692

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,709 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 7/02, 7/00**

(54) • PATIENT THERMAL REGULATION SYSTEM
• SYSTEME DE REGULATION THERMIQUE D'UN PATIENT

(71) **HILL–ROM, INC.** [US/US]; 1069 State Route 46 East, Batesville, IN 47006–9167 (US).

(72) **BORDERS, Richard, L.**; 9934 Pebbleknoll Drive, Cincinnati, OH 45252 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/23981** (13) A1

(21) PCT/US98/23809

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,515 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 13/00, 15/00**

(54) • GRIP–AID BANDAGE
• BANDE D'ADHERENCE

(71, 72) **TSENG, Yung–lung** [US/US]; 357 Mellow Lane, La Canada, CA 91011 (US). **TSENG, Min–ying, C.** [US/US]; 357 Mellow Lane, La Canada, CA 91011 (US). **TSENG, Conray, C.** [US/US]; 357 Mellow Lane, La Canada, CA 91011 (US).

(74) **ROCKMAN, Howard, B.** et al. / etc.; Sonnenschein Nath & Rosenthal, 8000 Sears Tower, 233 S. Wacker Drive, Chicago, IL 60606–6404 (US).

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

---

(11) **WO 99/23982** (13) A1

(21) PCT/US98/24026

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,604 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 13/00**

(54) • STERILE ADHESIVE BANDAGE AND ASSOCIATED METHODS
• PANSEMENT ADHESIF STERILE ET PROCEDES AFFERENTS

(71, 72) **TURNGREN, Christina, M.** [US/US]; 339 Chestnut Street, St. Paul, MN 55102 (US).

(72) **LANSER, Dale, E.**; W. 6016 N. County Trunk A, Elkhart Lake, WI 53020 (US). **HILBERT, Thomas, F.**; W. 7256 Hunter Lane, Fondu Lac, WI 54937 (US).

(74) **DIETZ, Paul, T.**; Haugen and Nikolai, P.A., 900 Second Avenue S. #820, Minneapolis, MN 55402–3325 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/23983** (13) A1

(21) PCT/US97/20676

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 13/15, D04H 1/56, 1/54**

(54) • DISPOSABLE ABSORBENT ARTICLE HAVING IMPROVED SOFT BARRIER CUFF
• ARTICLE ABSORBANT A JETER A MANCHETTE DE PROTECTION DOUCE AMELIOREE

(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) **OHNISHI, Kazuyuki** [JP/JP]; 2–1–32, Higashi Hagoromo, Takaishi City, Osaka 592 (JP). **REŽAI, Ebrahim** [US/JP]; 5–15–1302, Koyo–cho Naka, Higashinada–ku, Kobe 658 (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 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/23984** (13) A1

(21) PCT/US98/23350

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/968,446 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 08/995,490 (32) **22 Dec/déc 1997 (22.12.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 13/15**

(54) • INDIVIDUALLY WRAPPED ABSORBENT ARTICLE AND METHOD AND APPARATUS FOR ITS PRODUCTION
• ARTICLE ABSORBANT EN CONDITIONNEMENT INDIVIDUEL, ET PROCEDE ET APPAREIL DE FABRICATION

(71) **KIMBERLY–CLARK WORLDWIDE, INC.** [US/US]; 401 North Lake Street, Neenah, WI 54957–0349 (US).

(72) **LEE, Colin**; 2841 Prairiewood Drive, Oshkosh, WI 54904 (US). **TRIEBOLD, Kenneth**; 4463 West Capitol Drive, Appleton, WI 54915 (US).

(74) **NILLES, Andrew, J.**; Nilles & Nilles, S.C., Firstar Center, Suite 2000, 777 East Wisconsin Avenue, Milwaukee, WI 53202 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/23985** (13) A1

(21) PCT/US98/23903

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/966,835 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 13/42**

(54) • ABSORBENT ARTICLE WITH FIBER OPTIC WASTE INSPECTION SYSTEM
• ARTICLE ABSORBANT AVEC SYSTEME D'INSPECTION DE DECHETS PAR FIBRES OPTIQUES

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

(72) **ROE, Donald, Carroll**; 6324 Emberwood Court, West Chester, OH 45069 (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 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 SK (Utility model / modèle d'utilité) 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 : *(c)*

---

(11) **WO 99/23986** (13) A1

(21) PCT/US98/23899

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 97119753.8 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 13/56**

(54) • LONG SANITARY NAPKINS HAVING STEPPED PANTY FASTENING ADHESIVE
• LONGUES SERVIETTES HYGIENIQUES AYANT UN ADHESIF ECHELONNE DE FIXATION A LA CULOTTE

(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) **HASLER, Peter, Ludwig** [DE/DE]; Johann–Georg–Hagelgansweg 1, D–65510 Idstein (DE). **KREUTZ, Karen, Ann** [US/DE]; Rosenweg 18, D–61381 Friedrichsdorf (DE). **LAWTON, Rachel, Ann** [GB/DE]; Amselweg 9, D–60929 Frankfurt (DE). **LINZMAIER, Ulrike, Barbara** [DE/DE]; Rebenweg 13, D–69493 Hirschberg (DE). **STEIGERT, Christian, Klaus** [DE/DE]; Schillerstrasse 38a, D–67434 Neustadt (DE).

(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 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/23987** (13) A1

(21) PCT/US98/24174

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 97119753.8 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EP

(31) 98112335.9 (32) **3 Jul/juil 1998 (03.07.1998)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61F 13/56, 13/15**

(54) • INTEGRATED LONG ABSORBENT ARTICLE HAVING STEPPED PANTY FASTENING ADHESIVE
• ARTICLE ABSORBANT LONG INTEGRE A ADHESIF FRACTIONNE DE FIXATION A UNE CULOTTE

(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) **KREUTZ, Karen, Ann** [US/DE]; Rosenweg 18, D–61381 Friedrichsdorf (DE). **LAWTON, Rachel, Ann** [GB/DE]; Amselweg 9, D–60929 Frankfurt (DE).

(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 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/23988** (13) A2

(21) PCT/DE98/03307

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 50 063.3 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61G**

(54) • COFFIN WITH ELECTRONIC MONITORING
• CERCEUIL DOTE D'UNE SURVEILLANCE ELECTRONIQUE

(71, 72) **SPECHT, Willi** [DE/DE]; Auweiler Strasse 14, D–50765 Köln (DE).

(74) **PROP, Gerrit**; Anemonenweg 23, D–50259 Pulheim (DE).

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

---

(11) **WO 99/23989** (13) A1

(21) PCT/US98/23688

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,709 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61G 13/00, 12/00**

(54) • MOBILE SURGICAL SUPPORT APPARATUS
• APPAREIL DE SUPPORT CHIRURGICAL MOBILE

(71) **HILL–ROM, INC.** [US/US]; 1069 State Route 46 East, Batesville, IN 47006–9167 (US).

(72) **BORDERS, Richard, L.**; 9934 Pebbleknoll Drive, Cincinnati, OH 45252 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (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).

---

(11) **WO 99/23990** (13) A1

(21) PCT/US98/23691

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,709 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61G 13/10**

(54) • MEDICAL EQUIPMENT CONTROLLER
• DISPOSITIF DE COMMANDE POUR EQUIPEMENT MEDICAL

(71) **HILL–ROM, INC.** [US/US]; 1069 State Route 46 East, Batesville, IN 47006–9167 (US).

(72) **BORDERS, Richard, L.**; 9934 Pebbleknoll Drive, Cincinnati, OH 45252 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (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).

---

(11) **WO 99/23991** (13) A1

(21) PCT/US98/23689

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,709 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/083,673 (32) **30 Apr/avr 1998 (30.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61G 13/12**

(54) • SURGICAL TABLE APPARATUS
• TABLE CHIRURGICALE

(71) **HILL–ROM, INC.** [US/US]; 1069 State Route 46 East, Batesville, IN 47006–9167 (US).

(72) **BORDERS, Richard, L.**; 9934 Pebbleknoll Drive, Cincinnati, OH 45252 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (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).

---

(11) **WO 99/23992** (13) A1

(21) PCT/US98/23693

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,709 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/101,585 (32) **24 Sep/sep 1998 (24.09.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61G 13/12, 13/10**

(54) • SURGICAL TABLE
• TABLE CHIRURGICALE

(71) **HILL–ROM, INC.** [US/US]; 1069 State Route 46 East, Batesville, IN 47006–9167 (US).

(72) **BORDERS, Richard, L.**; 9934 Pebbleknoll Drive, Cincinnati, OH 45252 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (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).

---

(11) **WO 99/23993** (13) A1

(21) PCT/US98/23700

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/967,761 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61H 3/00, 33/00, 33/02, 33/04, 33/06, E04H 4/00, F16L 35/00, 17/00, 5/00**

(54) • HYDROTHERAPY JET AND FIXTURES FOR SPA TUBS AND POOLS AND A METHOD OF INSTALLATION
• DISPOSITIFS ET JETS D'HYDROTHERAPIE POUR CUVES ET PISCINES THERMALES ET PROCEDE D'INSTALLATION

(71, 72) **PINCIARO, John** [US/US]; 451 Moose Hill Road, Monroe, CT 06468 (US).

(74) **GORDON, David, P.**; 65 Woods End Road, Stamford, CT 06905 (US).

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

---

(11) **WO 99/23994** (13) A1

(21) PCT/BR98/00090

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) PI 9705372–4 (32) **12 Nov/nov 1997 (12.11.1997)** (33) BR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61J 7/04**

(54) • MEDICINE ELECTRONIC AGENDA
• AGENDA ELECTRONIQUE POUR LA PRISE DE MEDICAMENTS

(71, 72) **DE ALBUQUERQUE CAVALCANTI, Euclides, Furtado** [BR/BR]; Rua Dr. Homem de Melo, 1109, CEP–05007–002 São Paulo, SP (BR).

(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).

---

(11) **WO 99/23995** (13) A1

(21) PCT/DE98/03334

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) de (26) de

(31) 197 50 139.7 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61J 7/04**

(54) • SYSTEM FOR PRODUCING A SIGNAL PERCEPTIBLE BY A PERSON AND ACCORDING TO HER NEEDS
• SYSTEME DE PRODUCTION SELON LES BESOINS D'UN SIGNAL PERCEPTIBLE PAR UNE PERSONNE

(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) **BREIMESSER, Fritz** [DE/DE]; Dahlmannstrasse 124, D–90491 Nürnberg (DE). **ABRAHAM–FUCHS, Klaus** [DE/DE]; Graslitzer Strasse 17, D–91058 Erlangen (DE). **BIRKHÖLZER, Thomas** [DE/DE]; Sauerheimer Weg 9 c, D–91085 Weisendorf (DE). **HEROLD, Alexander** [DE/DE]; Gebbertstrasse 52 a, D–91052 Erlangen (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).

Published / Publiée : *(c)*

---

(11) **WO 99/23996** (13) A2

(21) PCT/IB98/01918

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,202 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K**

(54) • METHODS AND COMPOSITIONS EMPLOYING RED RICE FERMENTATION PRODUCTS
• COMPOSITIONS CONTENANT DES PRODUITS FERMENTES A BASE DE RIZ ROUGE ET PROCEDES ASSOCIES

(71) **PEKING UNIVERSITY** [CN/CN]; 5 Yiheyuan Road, Haidian District, Beijing 100871 (CN).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZHANG, Mao, Liang** [CN/CN]; Room 619–623, Beijing Aero Space Great Wall Building, 30 Haidian Nan LU, Beijing 100080 (CN). **PENG, Chi–Xiu** [CN/CN]; Room 619–623, Beijing Aero Space Great Wall Building, 30 Haidian Nan LU, Beijing 100080 (CN). **ZHOU, Yu–Fang** [CN/CN]; Room 619–623, Beijing Aero Space Great Wall Building, 30 Haidian Nan LU, Beijing 100080 (CN).

(74) **XIAO, Jin** et al. / etc.; 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/23997** (13) A2

(21) PCT/US98/23308

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 60/064,879 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K**

(54) • PREEMPTIVE PROPHYLAXIS OF MIGRAINE DEVICE AND METHOD
• DISPOSITIF ET PROCEDE DE PROPHYLAXIE PREVENTIVE DE LA MIGRAINE

(71, 72) **CADY, Roger, K.** [US/US]; 631 Riverview Road, Ozark, MO 65721 (US).

(74) **MUIR, Robert, E.**; Husch & Eppenberger, LLC, Suite 1400, 401 Main Street, Peoria, IL 61602 (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).

---

(11) **WO 99/23998** (13) A1

(21) PCT/EP98/06892

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 760.8 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/00, 7/48, 7/32**

(54) • MULTIPHASE STICK PREPARATION
• PREPARATION MULTIPHASE SOUS FORME DE STICK

(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) **BANOWSKI, Bernhard** [DE/DE]; Benrodestrasse 6, D–40597 Düsseldorf (DE). **SCHOLZ, Wolfhard** [DE/DE]; Edmundstrasse 26, D–47829 Krefeld (DE). **BORDAT, Pascal** [FR/FR]; Les Vignalis, F–31130 Flourens (FR). **ZINKEN, Marion** [DE/DE]; Am Spielmannsfalter 34, D–41564 Kaarst (DE).

(81) BR CA CN CZ HU NO PL SK US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/23999** (13) A2

(21) PCT/EP98/06897

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 550.8 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/00**

(54) • USE OF MIXTURES FOR PRODUCING MAKE–UP REMOVERS
• UTILISATION DE MELANGES POUR LA FABRICATION DE DEMAQUILLANTS

(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) **WADLE, Armin** [DE/DE]; Willbeckerstrasse 105, D–40699 Erkrath (DE). **LE HEN–FERRENBACH, Catherine** [FR/FR]; 10, rue Louis Braille, F–77100 Meaux (FR).

(81) AU BG BR BY CA CN CZ HU ID IS JP KR LT LV 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).

---

(11) **WO 99/24000** (13) A2

(21) PCT/EP98/06902

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) de (26) de

(31) 197 50 030.7 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/00**

(54) • LIGHT STABLE COSMETIC FORMULATION CONTAINING BUTYLMETHOXYDIBENZOYLMETHANE
• FORMULATION COSMETIQUE PHOTOSTABLE CONTENANT DU BUTYLMETHOXYDIBENZOYLMETHANE

(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) **KURZ, Thekla** [DE/DE]; Stefan–George–Weg 48, D–64285 Darmstadt (DE). **WILLE, Dorothee** [DE/DE]; In den Wingerten 29, D–64291 Darmstadt (DE). **HITZEL, Sabine** [DE/DE]; Langgasse 34, D–64409 Messel (DE).

(74) **MERCK PATENT GMBH**; Postfach, D–64271 Darmstadt (DE).

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

---

(11) **WO 99/24001** (13) A1

(21) PCT/IB98/01776

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,840 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/00**

(54) • SKIN CARE COMPOSITIONS AND METHOD OF IMPROVING SKIN APPEARANCE
• COMPOSITIONS POUR LE SOIN DE LA PEAU ET PROCEDE PERMETTANT D'AMELIORER L'ASPECT DE LA PEAU

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

(72) **HA, Robert, Bao, Kim**; 1199 Mellie Avenue, Milford, OH 45150 (US). **FOWLER, Timothy, John**; 4754 Kugler Mill Road, Cincinnati, OH 45236 (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 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 SK (Utility model / modèle d'utilité) 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 : *(c)*

---

(11) **WO 99/24002** (13) A1

(21) PCT/US98/24039

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,193 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(31) 09/188,569 (32) **10 Nov/nov 1998 (10.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/02, 7/021, 7/032, 7/027, 7/00, 7/48, 7/50**

(54) • THE USE OF PARTICLES IN THE COMPOSITION OF COSMETIC PRODUCTS
• UTILISATION DE PARTICULES DANS LA COMPOSITION DE PRODUITS COSMETIQUES

(71, 72) **HEGYI, Edit** [HU/US]; P.O. Box 188158, Carlsbad, CA 92009 (US). **SZATHMARY, Susan** [HU/US]; P.O. Box 188158, Carlsbad, CA 92009 (US). **GRANDICS, Peter** [HU/US]; P.O. Box 188158, Carlsbad, CA 92009 (US).

(74) **BURKE, John, E.** et al. / etc.; Pillsbury Madison & Sutro, 1100 New York Avenue, N.W., Washington, DC 20005 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24003** (13) A1

(21) PCT/IB98/01771

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,834 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/06, 7/48**

(54) • COMPOSITIONS CONTAINING COMBINATIONS OF LIQUID POLYOL FATTY ACID POLYESTERS AND A LIQUID OIL
• COMPOSITIONS CONTENANT DES COMBINAISONS DE POLYESTERS LIQUIDES D'ACIDE GRAS DE POLYOL ET UNE HUILE LIQUIDE

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

(72) **DRZEWIECKI, Paul, Joseph**; 3049 Socialville–Foster Road, Maineville, OH 45039 (US). **LISTRO, Joseph, Anthony**; 9680 Waterford Place #103, Loveland, OH 45140 (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 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 SK (Utility model / modèle d'utilité) 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).

---

(11) **WO 99/24004** (13) A1

(21) PCT/US97/20735

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/06, 7/50**

(54) • CONDITIONING SHAMPOO COMPOSITIONS
• COMPOSITIONS DE SHAMPOOINGS TRAITANTS

(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) **SAKO, Takashi** [JP/JP]; 1–15–7–103, Sumiyoshihonmachi, Higashinada–ku, Kobe 658 (JP). **EGOSHI, Yasuhiro** [JP/JP]; 9–4–202, Koushienguchi 6–chome, Nishinomiya, Hyogo 663 (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 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24005** (13) A1

(21) PCT/US98/23682

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,344 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/16**

(54) • ORAL CLEANSING: METHODS AND COMPOSITIONS
• COMPOSITIONS DE NETTOYAGE ADMINISTRABLES PAR VOIE ORALE ET LEURS PROCEDES D'UTILISATION

(71, 72) **CHAYKIN, Sterling** [US/US]; 1027 Maple Lane, Davis, CA 95616 (US).

(74) **OSMAN, Richard, Aron**; Science & Technology Law Group, 75 Denise Drive, Hillsborough, CA 94010 (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 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 : *(c)*

---

(11) **WO 99/24006** (13) A1

(21) PCT/EP98/06901

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) de (26) de

(31) 197 50 029.3 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/42**

(54) • STABLE COSMETIC FORMULATION CONTAINING BUTYLMETHOXYDIBENZOYLMETHANE
• FORMULATION COSMETIQUE STABLE CONTENANT DU BUTYLMETHOXYDIBENZOYLMETHANE

(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) **KURZ, Thekla** [DE/DE]; Stefan–George–Weg 48, D–64285 Darmstadt (DE). **DRILLER, Hansjürgen** [DE/DE]; Krötengasse 41, D–64853

Otzberg (DE). **HITZEL, Sabine** [DE/DE]; Langgasse 34, D–64409 Messel (DE). **WILLE, Dorothee** [DE/DE]; In den Wintergerten 29, D–64291 Darmstadt (DE).

(74) **MERCK PATENT GMBH**; Postfach, D–64271 Darmstadt (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)*

---

(11) **WO 99/24007** (13) A1

(21) PCT/US98/23317

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 08/968,171 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/42, 7/44, 6/00, 7/00**

(54) • SUNSCREEN CONCENTRATE
• CONCENTRE ANTISOLAIRE

(71) **ISP INVESTMENTS INC.** [US/US]; 818 Washington Street, Wilmington, DE 19801 (US).

(72) **LIU, Kou–Chang**; 11 Drayton Place, Wayne, NJ 07470 (US). **HELIOFF, Michael**; 485 Otisco Drive, Westfield, NJ 07090 (US). **REREK, Mark**; 2316 Concord Road, Scotch Plains, NJ 07036 (US). **DAVIS, Mary**; Apartment 6U, 35 Park Avenue, Suffern, NY 10901 (US). **GRENNER, Lawrence, J.**; 47 Wellesley Road, Glen Rock, NJ 07452 (US). **GRAHAM, David, E.**; 4 Blenheim Close, Tongham, Farnham, Surrey GU10 1BW (GB). **WALDORF–GEBER, Anya**; Waldesruh 11, D–53639 Königswinter (DE). **KOPPEL, Renate**; Zum Hedelsberg 69, D–50999 Köln (DE).

(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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24008** (13) A1

(21) PCT/US98/23626

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,766 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/097,234 (32) **20 Aug/août 1998 (20.08.1998)** (33) US

(31) 09/187,085 (32) **5 Nov/nov 1998 (05.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/46, 7/50, C11D 9/00**

(54) • SUN PROTECTIVE BODY CLEANSER COMPOSITION
• COMPOSITION NETTOYANTE DE PROTECTION SOLAIRE POUR LE CORPS

(71, 72) **KAUFMAN, Stacy, R.** [US/US]; 1750 N.W. 65th Avenue, Plantation, FL 33313 (US). **DULAK, Michael** [US/US]; 9227 N.W. 44th Court, Coral Springs, FL 33065 (US).

(74) **SCHWARTZ, Robert, M.**; Robert M. Schwartz, P.A., Suite 1122, 169 E. Flagler Street, Miami, FL 33131–1205 (US).

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

---

(11) **WO 99/24009** (13) A1

(21) PCT/FR98/02382

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/14023 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/48**

(54) • USES OF D–XYLOSE, THE ESTERS THEREOF AND OLIGOSACCHARIDES CONTAINING XYLOSE FOR IMPROVING THE FUNCTIONALITY OF EPIDERMAL CELLS
• UTILISATIONS DU D–XYLOSE, DE SES ESTERS ET DES OLIGOSACCHARIDES CONTENANT DU XYLOSE POUR AMELIORER LA FONCTIONNALITE DES CELLULES DE L'EPIDERME

(71) **LVMH RECHERCHE** [FR/FR]; 25, rue des Peupliers, F–92752 Nanterre (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUMAS, Marc** [FR/FR]; 61, Résidence le Windsor, 47 ter, avenue de la Mouillère, F–45100 Orléans (FR). **BONTE, Frédéric** [FR/FR]; 54, rue Tudelle, F–45100 Orléans (FR).

(74) **GIRAUD, Françoise** et al. / etc.; Cabinet Beau de Loménie, 158, rue de l'Université, F–75340 Paris Cedex 07 (FR).

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

---

(11) **WO 99/24010** (13) A1

(21) PCT/IB98/01774

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,780 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/48, 7/50**

(54) • COMPOSITIONS CONTAINING COMBINATIONS OF SOLID POLYOL FATTY ACID POLYESTERS AND A SOLID OIL
• COMPOSITIONS CONTENANT DES COMBINAISONS DE POLYESTERS D'ACIDE GRAS DE POLYOL SOLIDES ET UNE HUILE SOLIDE

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

(72) **DRZEWIECKI, Paul, Joseph**; 3049 Socialville–Foster Road, Maineville, OH 45039 (US). **LISTRO, Joseph, Anthony**; 9680 Waterford Place #103, Loveland, OH 45140 (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 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 SK (Utility model / modèle d'utilité) 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 : *(c)*

---

(11) **WO 99/24011** (13) A1

(21) PCT/US98/23529

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,631 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/182,180 (32) **30 Oct/oct 1998 (30.10.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/48**

(54) • STABLE PHARMACEUTICAL COMPOSITIONS INCLUDING ASCORBIC ACID AND METHODS OF USING SAME
• COMPOSITIONS PHARMACEUTIQUES STABLES COMPRENANT DE L'ACIDE ASCORBIQUE ET PROCEDES SE RAPPORTANT A LEUR UTILISATION

(71, 72) **MURAD, Howard** [US/US]; 4316 Marina City Drive, Marina del Rey, CA 90292 (US).

(74) **FANUCCI, Allan, A.** et al. / etc.; Pennie & Edmonds LLP, 1155 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 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).

---

(11) **WO 99/24012** (13) A1

(21) PCT/US98/23898

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/969,048 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/48**

(54) • LOW–PH, ACID–CONTAINING PERSONAL CARE COMPOSITIONS WHICH EXHIBIT REDUCED STING
• COMPOSITIONS DE SOINS PERSONNELS RENFERMANT DE L'ACIDE, A FAIBLE PH PRESENTANT UNE IRRITATION REDUITE

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

(72) **WARREN, Raphael**; 6715 West Farm Acres Drive, Cincinnati, OH 45237 (US). **CLAPP, Mannie, Lee**; 5042 Lexington Court, Mason, OH 45040 (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 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 SK (Utility model / modèle d'utilité) 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 : *(c)*

---

(11) **WO 99/24013** (13) A1

(21) PCT/US97/20609

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/50, 7/06**

(54) • CONDITIONING SHAMPOO COMPOSITIONS
• COMPOSITIONS DE SHAMPOOINGS TRAITANTS

(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) **SAKO, Takashi** [JP/JP]; 1–15–7–103, Sumiyoshihonmachi, Higashinada–ku, Kobe 658 (JP). **EGOSHI, Yasuhiro** [JP/JP]; 9–4–202, Koushienguchi 6–chome, Nishinomiya, Hyogo 663 (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 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24014** (13) A1

(21) PCT/US97/20736

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 7/50**

(54) • HAIR CONDITIONING COMPOSITIONS COMPRISING HYDROPHILICALLY SUBSTITUTED CATIONIC SURFACTANTS AND HIGH MELTING POINT COMPOUNDS
• COMPOSITIONS POUR TRAITEMENT CAPILLAIRE COMPRENANT DES TENSIOACTIFS CATIONIQUES HYDROPHILIQUEMENT SUBSTITUES ET DES COMPOSES A POINT DE FUSION ELEVE

(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) **UCHIYAMA, Hirotaka** [JP/JP]; 5–8–17–3B, Nishiokamoto, Higashinada–ku, Kobe 658 (JP). **MITSUMATSU, Arata** [JP/JP]; 6–16–306, Midorigaoka–cho, Ashiya–shi, Hyogo 659 (JP). **MIZOGUCHI, Yukiko** [JP/JP]; 1–5–503, Tokui–cho 3–chome, Nada–ku, Kobe 657 (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 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24015** (13) A1

(21) PCT/US98/23411

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/969,217 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 9/00, 47/18**

(54) • BUFFERED DRUG FORMULATIONS FOR TRANSDERMAL ELECTROTRANSPORT DELIVERY
• FORMULATIONS PHARMACEUTIQUES TAMPONNEES A ADMINISTRATION TRANSDERMIQUE PAR ELECTROTRANSPORT

(71) **ALZA CORPORATION** [US/US]; 950 Page Mill Road, P.O. Box 10950, Pablo Alto, CA 94303–0802 (US).

(72) **LEUNG, Iris, Ka, Man**; 14727 Greenleaf Valley Drive, Chesterfield, MO 63017–5514 (US). **CORMIER, Michel, J., N.**; 278 Andsbury Avenue, Mountain View, CA 94043 (US). **SENDELBECK, Sara, Lee**; 3505 Laguna Avenue, Palo Alto, CA 94306–2631 (US). **MUCHNIK, Anna**; 1542 Winding Way, Belmont, CA 94002 (US).

(74) **MILLER, D., Byron** et al. / etc.; Alza Corporation, 950 Page Mill Road, P.O. Box 10950, Palo Alto, CA 94303–0802 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24016** (13) A1

(21) PCT/US98/23900

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,003 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 9/00**

(54) • EMULSIONS FOR AEROSOLIZATION AND DRUG DELIVERY
• EMULSIONS POUR ADMINISTRATION PAR DISPERSION AEROSOL ET ADMINISTRATION DE MEDICAMENTS

(71) **SONUS PHARMACEUTICALS, INC.** [US/US]; Suite 102, 22026 20th Avenue, S.E., Bothell, WA 98021 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LAI, Johnny** [US/US]; 5000 2nd Avenue N.E. #214, Seattle, WA 98105 (US). **KESSLER, Dean, R.** [US/US]; 17318 72nd Street W., Edmonds, WA 98026 (US). **QUAY, Steven, C.** [US/US]; Suite F–454, 23632 Highway 99, Edmonds, WA 98026 (US).

(74) **KING, Cameron, A.** 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24017** (13) A1

(21) PCT/US98/24102

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,456 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 9/10, 47/38, 47/32, 47/10**

(54) • NOVEL ORAL DOSAGE FORM FOR CARVEDILOL
• NOUVELLE FORME POSOLOGIQUE PAR VOIE ORALE POUR LE CARVEDILOL

(71) **BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION – SMITHKLINE BECHMAN CORPORATION LIMITED PARTNERSHIP No.1** [US/US]; 101 Orchard Ridge Drive, Gaithersburg, MD 20878 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OH, Choon, K.** [US/US]; 342 Harshaw Drive, Chester Springs, PA 19425 (US).

(74) **McCARTHY, Mary, E.** 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) AL AU BA BB BG BR CA CN 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; 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).

---

(11) **WO 99/24018** (13) A1

(21) PCT/EP98/07046

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 48 796.3 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 9/127**

(54) • METHOD FOR PRODUCING LIPOSOMES
• PROCEDE DE PRODUCTION DE LIPOSOMES

(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) **SCHREIBER, Jörg** [DE/DE]; Erlenkamp 20, D–22087 Hamburg (DE). **MEIER, Wolfgang** [DE/CH]; Jakobsbergerholzweg 4, CH–4053 Basel (CH).

(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).

Published / Publiée : *(c)*

---

(11) **WO 99/24019** (13) A1

(21) PCT/US98/23531

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,660 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 9/16**

(54) • STABILIZED, DRY PHARMACEUTICAL COMPOSITIONS FOR DRUG DELIVERY AND METHODS OF PREPARING SAME
• COMPOSITIONS PHARMACEUTIQUES STABILISEES ET SECHES POUR L'ADMINISTRATION DE MEDICAMENTS ET PROCEDES D'ELABORATION

(63) US 08/965,660 (CIP) 6 Nov/nov 1997 (06.11.1997)

(71) **ORBON CORPORATION** [US/US]; Suite 231, 3 Waters Park Drive, San Mateo, CA 94402–2508 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RICHEAL, Rodger, J.** [US/US]; 5636 Algonquin Way, San Jose, CA 95138 (US). **HEMMES, Paul, R.** [US/CA]; 1358 Delco Court, Mississauga, Ontario LSE 3K1 (CA). **CHIOU, George, C., Y.** [US/US]; 8406 Wildwood Circle, College Station, TX 77845 (US).

(74) **CIOTTI, Thomas, E.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304–1018 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24020** (13) A1

(21) PCT/US98/23263

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/968,731 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 9/28**

(54) • A PROCESS FOR MAKING A FREE–FLOWING, DUST–FREE, COLD WATER DISPERSIBLE, EDIBLE, FILM–COATING COMPOSITION
• PROCEDE DE PREPARATION D'UNE COMPOSITION D'ENROBAGE PAR FILM COMESTIBLE, DISPERSIBLE DANS L'EAU FROIDE, EXEMPTE DE POUSSIERE ET A ECOULEMENT LIBRE

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).

(72) **SHESKEY, Paul, J.**; 5814 Highland Drive, Midland, MI 48640 (US). **SCHULZ, Gary, J.**; 81 Oaklawn, Midland, MI 48640 (US).

(74) **DEAN, J., Robert, Jr.**; Patent Dept., P.O. Box 1967, Midland, MI 48641–1967 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24021** (13) A1

(21) PCT/AU98/00918

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) PP 0222 (32) **6 Nov/nov 1997 (06.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 9/48, 9/56, 9/58, 9/66**

(54) • VITAMIN COMPOSITION
• COMPOSITION DE VITAMINES

(71) **R. P. SCHERER HOLDINGS PTY. LTD.** [AU/AU]; 217–221 Governor Road, Braeside, VIC 3195 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OPPENHEIM, Richard, Charles** [AU/AU]; 67 Gladstone Street, Kew, VIC 3101 (AU). **TRUONG, Hung, Cam** [AU/AU]; 64 Oakpark Drive, Chadstone, VIC 3148 (AU).

(74) **TADGELL, David**; Phillips Ormonde & Fitzpatrick, 367 Collins Street, Melbourne, VIC 3000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24022** (13) A2

(21) PCT/EP98/06920

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 97119650.6 (32) **10 Nov/nov 1997 (10.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/00**

(54) • ISOQUINOLINE DERIVATIVES FOR USE AGAINST CNS DISORDERS
• DERIVES D'ISOQUINOLINE UTILISES POUR TRAITER LES TROUBLES DU SNC

(71) **F. HOFFMANN–LA ROCHE AG** [CH/CH]; 124 Grenzacherstrasse, CH–4070 Basel (CH).

(72) **GODEL, Thierry**; 7 Mittlere Strasse, CH–4056 Basel (CH). **HUNKELER, Walter**; 32 Im Stigler, CH–4312 Magden (CH).

(74) **POPPE, Regina**; 124 Grenzacherstrasse, CH–4070 Basel (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 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).

---

(11) **WO 99/24023** (13) A2

(21) PCT/EP98/06923

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 49 724.1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/00**

(54) • FORMULATION OF A COMBINATION COMPRISED OF OPIOID AND α – ADRENERGIC AGONISTS AND THE APPLICATION THEREOF
• FORMULATION D'UNE ASSOCIATION D'UN OPIOIDE ET D'UN AGONISTE α – ADRENERGIQUE ET SON UTILISATION

(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) **SCHNEIDER, Johannes** [DE/DE]; Rolandstrasse 40, D–52223 Stolberg (DE). **KORIOTH, Johanna** [DE/DE]; Hargard 10, D–52156 Monschau (DE). **BARTHOLOMÄUS, Johannes** [DE/DE]; In den Atzenbenden 54, D–52080 Aachen (DE). **BETZING, Jürgen** [DE/DE]; Couvenstrasse 13, D–52062 Aachen (DE).

(81) AU BR CA CN CZ HU IL JP KR LT LV MX NO NZ PL RU SI SK UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24024** (13) A2

(21) PCT/EP98/07067

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 97119776.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/00**

(54) • TREATMENT OF T–HELPER CELL TYPE 2 MEDIATED IMMUNE DISEASES
• TRAITEMENT DES MALADIES IMMUNES INDUITES PAR LES LYMPHOCYTES T AUXILIAIRES DE TYPE 2

(71) **F. HOFFMANN–LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH–4070 Basle (CH).

(72) **BOLLAG, Werner**; Mythenstrasse 10, CH–4054 Basle (CH). **KLAUS, Michael**; Am Hellenrain 6, D–79576 Weil am Rhein (DE). **PANINA–BORDIGNON, Paola**; Via Piolti de'Bianchi, 4, I–20129 Milan (IT). **SINIGAGLIA, Francesco**; Via Poma, 11, I–20129 Milan (IT).

(74) **KJELLSAA–BERGER, Hanny**; Grenzacherstrasse 124, CH–4070 Basle (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 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).

---

(11) **WO 99/24025** (13) A2

(21) PCT/EP98/07104

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 096.4 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/00**

(54) • NON–STEROIDAL ANTI–INFLAMMATORIES OR COX–II INHIBITORS HAVING WEAK SIDE EFFECTS
• ANTI–INFLAMMATOIRE OU INHIBITEUR DE COX–II NON STEROIDIEN PRESENTANT PEU D'EFFETS SECONDAIRES

(71) **DEUTSCHES INSTITUT FÜR ERNÄHRUNGSFORSCHUNG** [DE/DE]; Arthur–Scheunert–Allee 114–116, D–14558 Bergholz–Rehbrücke (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JACOBASCH, Gisela** [DE/DE]; Ahornstrasse 4, D–16348 Wandlitzsee (DE). **HEMPEL, Jürg** [DE/DE]; Meistersinger Strasse 4, D–14471 Potsdam (DE). **SCHMEHL, Katrin** [DE/DE]; Petersburger Strasse 37, D–10249 Berlin (DE).

(74) **BOETERS, Hans, D.** et al. / etc.; Boeters & Bauer, Bereiteranger 15, D–81541 München (DE).

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

---

(11) **WO 99/24026** (13) A2

(21) PCT/JP98/05042

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) PCT/JP97/04104 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/00**

(54) • METHOD FOR THE TREATMENT OF DISORDERS ASSOCIATED WITH APOPTOSIS USING N–HETEROCYCLIC GLYOXYLAMIDE COMPOUNDS
• METHODE DE TRAITEMENT DES TROUBLES LIES A L'APOPTOSE AU MOYEN DE COMPOSES DE GLYOXYLAMIDE N–HETEROCYCLIQUES

(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) **YAGAMI, Tatsurou** [JP/JP]; 1405, Gotanda, O–aza, Koka–cho, Koka–gun, Siga 520–3423 (JP). **TAKASU, Nobuo** [JP/JP]; 3–1–1, Futaba–cho, Toyonaka–shi, Osaka 561–0825 (JP).

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

---

(11) **WO 99/24027** (13) A2

(21) PCT/US98/23427

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,083 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/00**

(54) • ANTI–ESTROGEN PLUS PROGESTIN CONTAINING ORAL CONTRACEPTIVES
• CONTRACEPTIFS ORAUX A BASE D'ANTI–OESTROGENES ASSOCIES A UN PROGESTATIF

(71) **AMERICAN HOME PRODUCTS CORPORATION** [US/US]; Five Giralda Farms, Madison, NJ 07940–0874 (US).

(72) **GAST, Michael, Jay**; 230 Country Lane, Phoenixville, PA 19460 (US). **MILLER, Christopher, Paul**; 72 Meadowbrook Road, Wayne, PA 19087 (US).

(74) **ALICE, Ronald, W.**; American Home Products Corporation, Patent Law Dept. – 2B, 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 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).

---

(11) **WO 99/24028** (13) A1

(21) PCT/FR97/01986

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) fr (26) fr

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/045, 47/10**

(54) • CHLORPHENESIN AS PRESERVATIVE
• CHLORPHENESINE, AGENT CONSERVATEUR

(71, 72) **GARNIER, Marie–Josèphe** [FR/FR]; 5, boulevard Léon–Malfreyt, F–63000 Clermont–Ferrand (FR). **CONNOIS, Jean, Noël** [FR/FR]; Lotissement les Gidonnes, F–63110 Beaumont (FR).

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

---

(11) **WO 99/24029** (13) A1

(21) PCT/US98/24024

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/064,655 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/285, 31/135, 33/36**

(54) • PROCESS FOR PRODUCING ARSENIC TRIOXIDE FORMULATIONS AND METHODS FOR TREATING CANCER USING ARSENIC TRIOXIDE OR MELARSOPROL
• PROCEDE DE PRODUCTION DE FORMULATIONS A BASE DE TRIOXYDE D'ARSENIC ET METHODES DE THERAPIE ANTICANCEREUSE UTILISANT DU TRIOXYDE D'ARSENIC OU DU MELARSOPROL

(71) **MEMORIAL SLOAN–KETTERING CANCER CENTER** [US/US]; 1275 York Avenue, New York, NY 10021 (US).

(72) **WARRELL, Raymond, P., Jr.**; 6 Kimball Circle, Westfield, NJ 07090 (US). **PANDOLFI, Pier, Paolo**; 303 E. 60th Street, New York, NY 10022 (US). **GABRILOVE, Janice, L.**; 25 E. 86th Street, New York, NY 10028 (US).

(74) **POISSANT, Brian, M.** et al. / etc.; Pennie & Edmonds LLP, 1155 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 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).

---

(11) **WO 99/24030** (13) A1

(21) PCT/US98/23424

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,428 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/35, 31/38, 31/445, C07D 211/40, 211/42, 211/44, 211/46, 309/10, 315/00, 335/02**

(54) • NOVEL TRIENYL COMPOUNDS
• NOUVEAUX COMPOSES TRIENYLE

(71) **THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA** [US/US]; Suite 300, 3700 Market Street, Philadelphia, PA 19104 (US).

(72) **SMITH, Amos, B., III**; 517 General Lafayette Road, Merion, PA 19066 (US). **LIN, Qiyan**; Apartment 2R, 4422 Pine Street, Philadelphia, PA 19104 (US).

(74) **MACKIEWICZ, John, J.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, One Liberty Place – 46th floor, Philadelphia, PA 19103 (US).

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

---

(11) **WO 99/24031** (13) A1

(21) PCT/DK98/00469

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 1264/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/40, 31/35**

(54) • PHARMACEUTICAL COMPOSITION COMPRISING 3,4–DIARYLCHROMANS IN LOW DOSE
• COMPOSITION PHARMACEUTIQUE COMPRENANT DE FAIBLES DOSES DE 3,4–DIARYLCHROMANNES

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

(72) **SHALMI, Michael**; Edward Falcks Gade 3, 2, DK–1569 Copenhagen V (DK). **BJARNASON, Ketil**; Hjortespringparken 27, DK–2730 Herlev (DK). **GULDHAMMER, Birgitte, Hjort**; Elmegårdsallé 71, DK–3400 Hillerød (DK).

(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).

---

(11) **WO 99/24032** (13) A1

(21) PCT/DK98/00481

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 1278/97 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/40, 9/00, 9/70**

(54) • TRANSDERMAL DELIVERY OF 3,4–DIARYLCHROMANS
• ADMINISTRATION TRANSDERMIQUE DE 3,4–DIARYLCHROMANES

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

(72) **WEIBEL, Helle**; Tietgensvej 19, DK–3400 Hilleroed (DK).

(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 : *(c)*

---

(11) **WO 99/24033** (13) A1

(21) PCT/JP97/04104

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/40**

(54) • METHOD FOR THE TREATMENT OF DISORDERS ASSOCIATED WITH APOPTOSIS USING N–HETEROCYCLIC GLYOXYLAMIDE COMPOUNDS
• METHODE DE TRAITEMENT DES TROUBLES LIES A L'APOPTOSE, FAISANT INTERVENIR DES COMPOSES DE GLYOXYLAMIDES N–HETEROCYCLIQUES

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

(72, 75) **YAGAMI, Tatsuro** [JP/JP]; 1–12–14–106, Sumiyoshi, Ikeda–shi, Osaka 563 (JP). **TAKASU, Nobuo** [JP/JP]; 1–18–16–304, Kouda, Ikeda–shi, Osaka 563 (JP).

(74) **YAMAUCHI, Hideaki**; 12–4, Sagisu 5–chome, Fukushima–ku, Osaka–shi, Osaka 553–0002 (JP).

(81) JP US.

---

(11) **WO 99/24034** (13) A1

(21) PCT/US98/23622

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,896 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/40**

(54) • USE OF DIVALENT CATIONS FOR INHIBITING ERYTHROCYTE DEHYDRATION *IN VIVO*
• UTILISATION DE CATIONS BIVALENTS POUR INHIBER LA DESHYDRATATION ERYTHROCYTAIRE *IN VIVO*

(71) **CHILDREN'S MEDICAL CENTER CORPORATION** [US/US]; 55 Shattuck Street, Boston, MA 02115 (US). **INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)** [FR/FR]; 101, rue de Tolbiac, F–75654 Paris Cedex 13 (FR). **ASSISTANCE PUBLIQUE–HOPITAUX DE PARIS** [FR/FR]; 3, avenue Victoria, F–75100 Paris RP (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRUGNARA, Carlo** [US/US]; 33 Aberdeen Street, Newton Highlands, MA 02161 (US). **BEUZARD, Yves** [FR/FR]; Laboratory of Gene Therapy, Hospital St. Louis, F–75010 Paris (FR). **GALACTEROS, Frederick** [FR/FR]; Laboratory of Gene Therapy, Hospital St. Louis, F–75010 Paris (FR). **DE FRANCHESCHI, Lucia** [IT/IT]; University of Verona, Dept. of Internal Medicine, I–37134 Verona (IT).

(74) **LOCKHART, Helen, C.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24035** (13) A1

(21) PCT/US98/23204

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 60/065,042 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/425, 31/44, 31/445, 31/47, 31/50, 31/505, 31/535, 31/55, C07D 277/82, 401/06, 407/06, 409/06, 413/06, 417/06, 471/04**

(54) • BENZOTHIAZOLE PROTEIN TYROSINE KINASE INHIBITORS
• COMPOSES DE BENZOTHIAZOLE UTILISES COMME INHIBITEURS DE LA PROTEINE TYROSINE–KINASE

(71) **BRISTOL–MYERS SQUIBB COMPANY** [US/US]; P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(72) **DAS, Jagabandhu**; 38 Martin Lane, Mercerville, NJ 08619 (US). **BARRISH, Joel, C.**; 46 Heather Valley Road, Holland, PA 18966 (US). **WITYAK, John**; 25 Jared Drive, Robbinsville, NJ 08691 (US).

(74) **SHER, Audrey, F.** 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 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).

---

(11) **WO 99/24036** (13) A1

(21) PCT/GB98/03317

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 9723669.9 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/445, 31/70, 38/13, 9/06, 47/12, 31/435**

(54) • SKIN PENETRATION ENHANCING COMPONENTS
• COMPOSANTS AMELIORANT LA PENETRATION DANS LA PEAU

(71) **ABERDEEN UNIVERSITY** [GB/GB]; Auris Business Centre, 23 St. Machar Drive, Aberdeen AB2 1RY (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ORMEROD, Anthony, David** [GB/GB]; 12 Kemnay Place, Aberdeen AB15 8SG (GB). **WINFIELD, Arthur** [GB/GB]; 42 Westholme Avenue, Aberdeen AB15 6AB (GB).

(74) **STEBBING, Peter, John, Hunter** et al. / etc.; Ablett & Stebbing, Caparo House, 101–103 Baker Street, London W1M 1FD (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/24037** (13) A1

(21) PCT/US98/23549

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,084 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/505**

(54) • USE OF QUINAZOLINE DERIVATIVES AS TYROSINE KINASE INHIBITORS FOR TREATING COLONIC POLYPS
• TRAITEMENT DES POLYPES DU COLON PAR DES INHIBITEURS DE LA TYROSINE KINASE A BASE DE DERIVES DE QUINAZOLINE

(71) **AMERICAN CYANAMID COMPANY** [US/US]; Five Giralda Farms, Madison, NJ 07940–0874 (US).

(72) **FROST, Philip**; 4 Emerson Court, Morris Township, NJ 07960 (US).

(74) **ALICE, Ronald, W.**; American Home Products Corporation, Patent Law Corporation, Patent Law Dept. –2B, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24038** (13) A1

(21) PCT/US98/23878

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,942 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/505**

(54) • METHODS FOR TREATMENT OF DISORDERS OF CARDIAC CONTRACTILITY
• PROCEDES DE TRAITEMENT DE TROUBLES DE LA CONTRACTILITE CARDIAQUE

(71) **JOHNS HOPKINS UNIVERSITY** [US/US]; 720 Rutland Avenue, Baltimore, MD 21205 (US).

(72) **MARBAN, Eduardo**; 902 Fallscroft Way, Lutherville, MD 21093 (US).

(74) **CORLESS, Peter, F.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, 130 Water 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 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 : *(c)*

---

(11) **WO 99/24039** (13) A1

(21) PCT/US98/23038

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/966,385 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/56**

(54) • METHOD FOR REDUCING MAST CELL MEDIATED ALLERGIC REACTIONS
• PROCEDE POUR ATTENUER DES REACTIONS ALLERGIQUES INDUITES PAR DES MASTOCYTES

(71) **PHARMADIGM, INC.** [US/US]; 2401 South Foothill Drive, Salt Lake City, UT 84109 (US). **UNIVERSITY OF UTAH RESEARCH FOUNDATION** [US/US]; Suite 170, 421 Wakara Way, Salt Lake City, UT 84108 (US).

(72) **DOWELL, Tad**; 1484 West 700 South, Salt Lake City, UT 84104 (US). **NORTON, Steven, D.**; 1337 South Colonial Circle, Salt Lake City, UT 84108 (US). **ARANEO, Barbara, A.**; 2434 Kentucky Avenue, Salt Lake City, UT 84117 (US).

(74) **IHNEN, Jeffrey, L.** et al. / etc.; Rothwell, Figg, Ernst & Kurz, Suite 701 East, Columbia Square, 555 13th Street N.W., Washington, DC 20004 (US).

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

---

(11) **WO 99/24040** (13) A1

(21) PCT/US98/23552

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,723 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/56, 31/52, 31/405, 31/195, 31/135**

(54) • PROMOTING HORMONE PRODUCTION
• STIMULATION DE LA PRODUCTION D'HORMONES

(63) US 60/064,723 (CIP) 6 Nov/nov 1997 (06.11.1997)

(71) **NUTRACORP SCIENTIFIC, INC.** [US/US]; Suite 300, 2980 Beverly Glen Circle, Los Angeles, CA 90077 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHELL, William, E.** [US/US]; 3048 Nicada Drive, Los Angeles, CA 90077 (US). **JARMEL, Mark, E.** [US/US]; Apartment 105, 4616 Willis Avenue, Sherman Oaks, CA 91403 (US).

(74) **HORTON, Corwin, R.**; The Park, Suite 2001, 25 Mann Drive, Kentfield, CA 94904 (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).

---

(11) **WO 99/24041** (13) A1

(21) PCT/US98/23750

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/064,980 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/56, 47/00**

(54) • PENETRATION ENHANCING AND IRRITATION REDUCING SYSTEMS
• SYSTEME AMELIORANT L'ADMINISTRATION DE MEDICAMENTS ET REDUISANT LES IRRITATIONS

(71) **CELLEGY PHARMACEUTICALS, INC.** [US/US]; Suite 418, 1065 E. Hillsdale Boulevard, Foster City, CA 94404 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MAK, Vivien, H., W.** [US/US]; 1951 Camino A Los Cerros, Menlo Park, CA 94025 (US). **GRAYSON, Stephen** [US/US]; 27 Mount Foraker Drive, San Rafael, CA 94903 (US).

(74) **SNYDER, Joseph, R.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24042** (13) A2

(21) PCT/US98/23226

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/966,263 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 31/565, 9/06, 47/10, 47/38**

(54) • STABLE ANTIANDROGENIC GEL COMPOSITION
• COMPOSITION GELIFIANTE ANTI–ANDROGENIQUE STABLE

(71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US). **ENDORECHERCHE, INC.** [CA/CA]; 2989 De la Promenade, Sainte–Foy, Quebec G1W 2J5 (CA).

(72) **SEQUEIRA, Joel, A.**; 6 Mary Ellen Drive, Edison, NJ 08820 (US). **LABRIE, Fernand**; 2989 De la Promenade, Sainte–Foy, Quebec G1W 2J5 (CA). **MAHASHABDE, Shanshank**; 49 Nothingham Way, Somerset, NJ 08873 (US). **DeANGELIS, Nicholas**; 4099 Pierce Lane, Doylestown, PA 18901 (US). **MERAND, Yves**; 3103, de Montreux, Sainte–Foy, Quebec G1W 3A1 (CA). **FOURNIER, Marc**; 105, des Oliveiers, Levis, Quebec G6V 8W8 (CA).

(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) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GD GE HR HU ID IL 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 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 GW ML MR NE SN TD TG).

(11) **WO 99/24043** (13) A1

(21) PCT/JP98/04503

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) ja (26) ja

(31) 9/305151 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 33/00, 47/30**

(54) • VISCOUS COMPOSITIONS CONTAINING CARBON DIOXIDE
• COMPOSITIONS VISQUEUSES CONTENANT DU DIOXYDE DE CARBONE

(71) **MEDION RESEARCH LABORATORIES INC.** [JP/JP]; 4–20–602, Minamimachi 3–chome, Suma–ku, Kobe–shi, Hyogo 654–0036 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TANAKA, Masaya** [JP/JP]; 4–20–602, Minamimachi 3–chome, Suma–ku, Kobe–shi, Hyogo 654–0036 (JP). **HIKI, Masato** [JP/JP]; 16–17, Mikunihonmachi 3–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0005 (JP).

(74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1–7–1, Doshomachi, Chuo–ku, Osaka–shi, Osaka 541–0045 (JP).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24044** (13) A1

(21) PCT/AT98/00278

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) de (26) de

(31) A 1916/97 (32) **12 Nov/nov 1997 (12.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 35/14, 38/18 // (A61K 38/18, 35:14)**

(54) • MEDICINE FOR PROMOTING CICATRIZATION AND CONTAINING THROMBOCYTES
• MEDICAMENT FAVORISANT LA CICATRISATION ET CONTENANT DES THROMBOCYTES

(71) **BIO–PRODUCTS & BIO–ENGINEERING AKTIENGESELLSCHAFT** [AT/AT]; Schottenring 10, A–1010 Wien (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRAUN, Friedrich** [AT/AT]; Gloriettegasse 2, A–1130 Wien (AT). **SPÄNGLER, Hans–Peter** [AT/AT]; Währingerstrasse 93, A–1180 Wien (AT). **EIBL, Johann** [AT/AT]; Gustav–Tschermak–Gasse 2, A–1180 Wien (AT).

(74) **SCHWARZ, Albin** et al. / etc.; Wipplingerstrasse 32/22, A–1010 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24045** (13) A1

(21) PCT/US98/23954

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,031 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 35/14, 45/05**

(54) • METHODS FOR TREATMENT OF TUMORS AND TUMOR CELLS USING *EX VIVO* ACTIVATED T CELLS
• METHODES DE TRAITEMENT DE TUMEURS ET DE CELLULES TUMORALES FAISANT APPEL A DES LYMPHOCYTES T ACTIVES *EX VIVO*

(63) US 60/065,031 (CIP) 10 Nov/nov 1997 (10.11.1997)

(71) **ARCH DEVELOPMENT CORPORATION** [US/US]; 5640 South Ellis Avenue, Chicago, IL 60637 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LIEBOWITZ, David, N.** [US/US]; 2146 Green Street, Philadelphia, PA 19130 (US). **JUNE, Carl** [US/US]; 7 Harbor Court, Rockville, MD 20850 (US).

(74) **WILSON, Mark, B.**; 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24046** (13) A1

(21) PCT/FR98/02398

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) fr (26) fr

(31) 97/14093 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 35/60, 31/715**

(54) • SYNERGETIC ORAL COMPOSITION COMBINING SULPHURIC CHONDROITIN ACID AND/OR DNA WITH HYDROXYPROLINE
• COMPOSITION ORALE SYNERGIQUE ASSOCIANT DE L'ACS ET/OU DE L'ADN A DE L'HYDROXYPROLINE

(71) **PIERRE FABRE DERMO–COSMETIQUE** [FR/FR]; 45, place Abel Gance, F–92100 Boulogne–Billancourt (FR).

(72) **COUSSE, Henri**; 14 bis, rue de Longuebrune, F–31860 Pins Justaret (FR). **POTHERAT, Jean–Jacques**; 6, rue Rode, F–81440 Lautrec (FR). **ROUANET, Max**; Ayguatebia, F–66360 Olette (FR).

(74) **MARTIN, Jean–Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F–75116 Paris (FR).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24047** (13) A1

(21) PCT/CA98/01035

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 2,220,633 (32) **7 Nov/nov 1997 (07.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 35/78**

(54) • ECHINOPS EXTRACT WITH ANTI–CANCER ACTIVITY
• EXTRAIT D'ECHINOPS A ACTIVITE ANTI-CANCEREUSE

(71) **McGILL UNIVERSITY** [CA/CA]; 845 Sherbrooke Street West, Montréal, Québec H3A 2T5 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ALAOUI–JAMALI, Moulay, Abdellah** [CA/CA]; 1745 rue Taschereau, Duvernay, Laval, Québec H7G 2P1 (CA). **BATIST, Gerald** [CA/CA]; 4670 Grosvenor Street, Montréal, Québec H3W 2L8 (CA). **ZAMIR, Lolita** [CA/CA]; 810 Upper Lansdowne, Westmount, Québec H3Y 1J8 (CA).

(74) **COTE, France** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montréal, Québec 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24048** (13) A1

(21) PCT/EP97/06155

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 35/78**

(54) • CANCER TREATMENT DRUG
• MEDICAMENT DESTINE AU TRAITEMENT DU CANCER

(71) **PHARMACEUTICAL RESEARCH CENTER** [IR/IR]; Darou – Pakhsh Avenue Karaj Road, P.O. Box 13185–877, Tehran (IR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZOLFAGHARI, Mohammad, Ismail** [IR/IR]; Pharmaceutical Research Center, Darou – Pakhsh Avenue Karaj Road, P.O. Box 13185–877, Tehran (IR). **SALEHIAN, Pirus** [IR/IR]; Pharmaceutical Research Center, Darou – Pakhsh Avenue Karaj Road, P.O. Box 13185–877, Tehran (IR). **PAKDAMAN, Abolghassem** [IR/DE]; Pöhlenweg 29, D–40629 Düsseldorf (DE). **NUHNEJAD, Parwin** [IR/IR]; Pharmaceutical Research Center, Darou – Pakhsh Avenue Karaj Road, P.O. Box 13185–877, Tehran (IR). **NAJAFI, Mahmud** [IR/IR]; Pharmaceutical Research Center, Darou – Pakhsh Avenue Karaj Road, P.O. Box 13185–877, Tehran (IR).

(74) **TÜRK GILLE HRABAL LEIFERT**; Brucknerstrasse 20, D–40593 Düsseldorf (DE).

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

(11) **WO 99/24049** (13) A1

(21) PCT/US98/23472

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,698 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/00, 45/00**

(54) • INSECT CELLS OR FRACTIONS AS ADJUVANT FOR ANTIGENS
• CELLULES OU FRAGMENTS D'INSECTE UTILISES COMME ADJUVANTS D'ANTIGENES

(71) **PROTEIN SCIENCES CORPORATION** [US/US]; 1000 Research Parkway, Meriden, CT 06450–7159 (US).

(72) **SMITH, Gale, Eugene**; 9 Turnberry Road, Wallingford, CT 06492 (US). **DEBARTOLOMEIS, James**; 290 Bradley Corners Road, Madison, CT 06443 (US). **VOZNESENSKI, Andrei, Igorevitch**; 15 Spruce Lane, West Hartford, CT 06107 (US).

(74) **KOWALSKI, Thomas, J.**; Frommer Lawrence & Haug LLP, 745 Fifth Avenue, New York, NY 10151 (US).

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

---

(11) **WO 99/24050** (13) A1

(21) PCT/US98/24035

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,129 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/00, C07K 1/00**

(54) • HIGH THROUGHPUT METHOD FOR FUNCTIONALLY CLASSIFYING PROTEINS IDENTIFIED USING A GENOMICS APPROACH
• PROCEDE A HAUT RENDEMENT PERMETTANT DE CLASSER FONCTIONNELLEMENT DES PROTEINES IDENTIFIEES PAR UNE METHODE DES GENOMES

(71) **3–DIMENSIONAL PHARMACEUTICALS, INC.** [US/US]; Eagleview Corporate Center, Suite 104, 665 Stockton Drive, Exton, PA 19341 (US).

(72) **PANTOLIANO, Michael, W.**; 570 Chandler Mill Road, Avondale, PA 19311 (US). **SALEMME, Francis, R.**; 1970 Timber Lakes, Yardley, PA 19067 (US). **PETRELLA, Eugenio, C.**; 125 Longfields Way, Downingtown, PA 19335 (US). **CARVER, Theodore, E., Jr.**; 11 Golfer's Way North, Thorndale, PA 19372 (US). **RHIND, Alexander, W.**; 604 Harvard Lane, Libertyville, IL 60048 (US).

(74) **GOLDSTEIN, Jorge, A.** 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) AL AM AT AU AZ 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).

---

(11) **WO 99/24051** (13) A2

(21) PCT/EP98/07033

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 48 763.7 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/11, 31/55, 31/40**

(54) • APPLICATION OF VASOPRESSIN ANTAGONISTS FOR TREATING DISTURBANCES OR ILLNESSES OF THE INNER EAR
• UTILISATION D'ANTAGONISTES DE LA VASOPRESSINE POUR LE TRAITEMENT DE TROUBLES OU DE MALADIES DE L'OREILLE INTERNE

(71) **OTOGENE AKTIENGESELLSCHAFT** [/DE]; Gmelinstrasse 5a, D–72076 Tübingen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **ZENNER, Hans, Peter** [DE/DE]; Burgholzweg 149, D–72070 Tübingen (DE). **RUPPERSBERG, J., Peter** [DE/DE]; Allensteiner Weg 5, D–72072 Tübingen (DE). **LÖWENHEIM, Hubert** [DE/DE]; Philipp–von–Heck–Strasse 1, D–72076 Tübingen (DE).

(74) **RUFF, BEIER, SCHÖNDORF UND MÜTSCHELE**; Willy–Brandt–Strasse 28, D–70173 Stuttgart (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24052** (13) A2

(21) PCT/GB98/03387

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723824.0 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/16**

(54) • USE OF PROTEIN H AS CYTOSTATIC AGENT
• UTILISATION DE LA PROTEINE H EN TANT QU'AGENT CYTOSTATIQUE

(71) **ACTINOVA LIMITED** [GB/GB]; 5 Signet Court, Swanns Road, Cambridge CB5 8LA (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BJORCK, Lars, Henrik** [SE/SE]; Magle Stora Kyrkogata 10, S–223 50 Lund (SE). **FRICK, Inga–Maria** [SE/SE]; Marsvagen 3, S–245 33 Staffanstorp (SE). **LEANDERSSON, Tomas, Borje** [SE/SE]; Rosenvagen 11, S–245 44 Staffanstorp (SE). **AXCRONA, Eugen, Jan, Karol** [SE/SE]; Reallinjen 2, S–223 74 Lund (SE).

(74) **WOODS, Geoffrey, Corlett**; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5LX (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24053** (13) A1

(21) PCT/US98/23932

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,169 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/16, 38/17, C12N 5/06**

(54) • ENHANCED OPENING OF ABNORMAL BRAIN TISSUE CAPILLARIES
• OUVERTURE AMELIOREE DE CAPILLAIRES DU TISSU CEREBRAL ANORMAL

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 5th floor, 1111 Franklin Street, Oakland, CA 94607–5200 (US).

(72) **BLACK, Keith, L.**; 1233 Roberto Lane, Los Angeles, CA 90077 (US).

(74) **OLDENKAMP, David, J.** et al. / etc.; Oppenheimer Wolff & Donnelly LLP, Suite 38008, 2029 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 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).

---

(11) **WO 99/24054** (13) A1

(21) PCT/EP98/07107

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 97870178.7 (32) **6 Nov/nov 1997 (06.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/17, G01N 33/569, 33/50, C07K 14/18, 1/22, C12N 7/00, A61L 2/00 // A61K 39/29**

(54) • HOST DERIVED PROTEINS BINDING HCV: MEDICAL, DIAGNOSTIC AND PURIFICATION USE
• PROTEINES DERIVEES D'HOTES ET SE LIANT AU VHC: UTILISATION A DES FINS MEDICALES, DIAGNOSTIQUES ET DE PURIFICATION

(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). **DEPLA, Erik** [BE/BE]; Burgstraat 58, B–9070 Destelbergen (BE).

(74) **DE CLERCQ, Ann**; 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24055** (13) A1

(21) PCT/SG98/00087

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 9703972–1 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SG

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/17, 39/38**

(54) • THERAPEUTIC MOLECULES
• MOLECULES THERAPEUTIQUES

(71) **NATIONAL UNIVERSITY OF SINGAPORE** [SG/SG]; 10 Kent Ridge Crescent, Singapore 119260 (SG).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOPALADRISHNAKONE, Ponnampalam** [SG/SG]; Industry & Technology Relations Office (INTRO), National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260 (SG). **PU, Xiao, Chun** [CN/CA]; Industry & Technology Relations Office (INTRO), National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260 (SG). **WONG, Peter, Tsun–Hon** [SG/SG]; Industry & Technology Relations Office (INTRO), National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260 (SG). **GWEE, Mathew, Chnong, Eng** [SG/SG]; Industry & Technology Relations Office (INTRO), National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260 (SG). **KINI, R., Manjunatha** [IN/SG]; Industry & Technology Relations Office (INTRO), National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260 (SG).

(74) **APPLIED RESEARCH CORPORATION**; Kent Ridge, P.O. Box 1016, Singapore 911101 (SG).

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

---

(11) **WO 99/24056** (13) A1

(21) PCT/GB98/03354

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723780.4 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/18, 39/395, 48/00**

(54) • REGULATION OF OCULAR ANGIOGENESIS
• REGULATION DE L'ANGIOGENESE OCULAIRE

(71) **THE VICTORIA UNIVERSITY OF MANCHESTER** [GB/GB]; Oxford Road, Manchester M13 9PL (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOULTON, Michael, Edwin** [GB/GB]; 22 Railway Street, Hadfield, Hyde, Cheshire SK14 8AH (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24057** (13) A2

(21) PCT/US98/22574

(22) **23 Oct/oct 1998 (23.10.1998)**

(25) en (26) en

(31) 08/966,297 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/18, C12N 5/06, 5/08 // C07K 14/51, C12N 15/12**

(54) • NEURONAL USES OF BMP–11
• UTILISATIONS NEURONALES DE BMP–11

(71) **GENETICS INSTITUTE, INC.** [US/US]; 87 CambridgePark Drive, Cambridge, MA 02140 (US).

(72) **CELESTE, Anthony, J.**; 86 Packard Street, Hudson, MA 01749 (US). **WOZNEY, John, M.**; 59 Old Bolton Road, Hudson, MA 01749 (US). **THIES, Scott, R.**; 4 Miles Circle, Andoner, MA 01810 (US).

(74) **LAZAR, Steven, R.**; Genetics Institute, Inc., 87 Cambridge Park Drive, Cambridge, MA 02140 (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).

---

(11) **WO 99/24058** (13) A2

(21) PCT/US98/23827

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,297 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/18, C12N 5/06, 5/08 // C07K 14/51, C12N 15/12**

(54) • NEURONAL USES OF BMP–11
• UTILISATIONS NEURONALES DE BMP–11

(71) **GENETICS INSTITUTE, INC.** [US/US]; 87 CambridgePark Drive, Cambridge, MA 02140 (US).

(72) **CELESTE, Anthony, J.**; 86 Packard Street, Hudson, MA 01749 (US). **WOZNEY, John, M.**; 59 Old Bolton Road, Hudson, MA 01749 (US). **THIES, Scott, R.**; 4 Miles Circle, Andoner, MA 01810 (US).

(74) **LAZAR, Steven, R.**; Genetics Institute, Inc., 87 CambridgePark Drive, Cambridge, MA 02140 (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).

---

(11) **WO 99/24059** (13) A1

(21) PCT/US98/23892

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,951 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/18, 39/395, 35/34, G01N 33/50**

(54) • PDGF–MEDIATED MICROVASCULAR COMMUNICATION AND METHODS OF USE THEREOF
• COMMUNICATION MICROVASCULAIRE A MEDIATION DE PDGF ET PROCEDES D'UTILISATION

(63) US 60/064,951 (CIP) 7 Nov/nov 1997 (07.11.1997)

(71) **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) **ROSENBERG, Robert, D.** [US/US]; 126 Highland Drive, Jamestown, RI 02835 (US). **EDELBERG, Jay, M.** [US/US]; 11 Marshall Road, Wellesley, MA 02482 (US). **AIRD, William, C.** [US/US]; 18 Thorndike Street, Brookline, MA 02446 (US).

(74) **HOGLE, Doreen, 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24060** (13) A1

(21) PCT/US98/23639

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,618 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/21**

(54) • INTERFERON IMMUNOTHERAPY
• IMMUNOTHERAPIE D'INTERFERON

(71) **MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH** [US/US]; 200 First Street S.W., Rochester, MN 55905 (US).

(72) **MARKOVIC, Svetomir, N.**; 4223 Manor View Drive N.W., Rochester, MN 55901 (US).

(74) **ELLINGER, Mark, S.**; 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24061** (13) A1

(21) PCT/US98/23627

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,891 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/096,066 (32) **11 Aug/août 1998 (11.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/30, 9/16**

(54) • METHOD FOR PRODUCING IGF–1 SUSTAINED–RELEASE FORMULATIONS
• PROCEDE DE PRODUCTION DE FORMULATIONS D'IGF–1 A LIBERATION ECHELONNEE

(71) **CHIRON CORPORATION** [US/US]; 4560 Horton Street, Emeryville, CA 94608 (US).

(72) **SHIRLEY, Bret**; Chiron Corporation, 4560 Horton Street, R–440, Emeryville, CA 94608 (US). **HORA, Maninder**; Chiron Corporation, 4560 Horton Street, R–440, Emeryville, CA 94608 (US). **O'HAGAN, Derek**; Chiron Corporation, 4560 Horton Street, R–440, Emeryville, CA 94608 (US). **SINGH, Manmohan**; Chiron Corporation, 4560 Horton Street, R–440, Emeryville, CA 94608 (US).

(74) **HARBIN, Alisa, A.**; Chiron Corporation, Intellectual Property – R 440, P.O. Box 8097, Emeryville, CA 94662–8097 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24062** (13) A1

(21) PCT/US98/23672

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,891 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/096,081 (32) **11 Aug/août 1998 (11.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/30**

(54) • NOVEL IGF–I COMPOSITION AND ITS USE
• NOUVELLE COMPOSITION D'IGF–I ET SON UTILISATION

(71) **CHIRON CORPORATION** [US/US]; 4560 Horton Street, Emeryville, CA 94608–2916 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SHIRLEY, Bret, A.** [US/US]; 1263 Saddlehill Lane, Concord, CA 94521 (US). **HORA, Maninder, S.** [US/US]; 202 Viewpoint Drive, Danville, CA 94526 (US).

(74) **GUTH, Joseph, H.**; Chiron Corporation, Intellectual Property – R440, P.O. Box 8097, Emeryville, CA 94662–8097 (US) et al. / etc.

(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 IS JP KE KG KP KR KZ 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24063** (13) A1

(21) PCT/US98/23673

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,891 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 38/30, 9/08, 47/18**

(54) • COMPOSITIONS PROVIDING FOR INCREASED IGF–I SOLUBILITY
• COMPOSITIONS POUR OBTENIR UNE SOLUBILITE AMELIOREE DU FACTEUR IGF–I

(71) **CHIRON CORPORATION** [US/US]; 4560 Horton Street, Emeryville, CA 94608–2916 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SHIRLEY, Bret, A.** [US/US]; 1263 Saddlehill Lane, Concord, CA 94521 (US). **BAJWA, Kamaljit** [IN/US]; 4560 Horton Street, Emeryville, CA 94608–2916 (US).

(74) **GUTH, Joseph, H.**; Chiron Corporation, Intellectual Property – R440, P.O. Box 8097, Emeryville, CA 94662–8097 (US) et al. / etc.

(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 IS JP KE KG KP KR KZ 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24064** (13) A1

(21) PCT/JP98/04758

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) ja (26) ja

(31) 9/322038 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 39/00, G01N 33/53, C07H 15/10, A61K 35/12 // A61M 1/14**

(54) • ANTIGEN SPECIFIC TO MENIERE'S DISEASE AND MEDICAL USE THEREOF
• ANTIGENE SPECIFIQUE CONTRE LA MALADIE DE MENIERE ET UTILISATION DE CET ANTIGENE EN MEDECINE

(71) **OTSUKA PHARMACEUTICAL CO., LTD.** [JP/JP]; 9, Kandatsukasacho 2–chome, Chiyoda–ku, Tokyo 101–0048 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **IKEDA, Atsuko** [JP/JP]; 297–103, Kinmeicho, Soka–shi, Saitama 340–0052 (JP). **KOMATSUZAKI, Atsushi** [JP/JP]; 9–10, Higashihoncho, Chuo–ku, Chiba–shi, Chiba 260–0004 (JP). **HANDA, Shizuo** [JP/JP]; 38–10, Uehara 2–chome, Shibuya–ku, Tokyo 151–0064 (JP). **TAKI, Takao** [JP/JP]; 51–24, Aza Nishinosu, Taihama, Kitajima–cho, Itano–gun, Tokushima 771–0204 (JP).

(74) **ARUGA, Mitsuyuki** et al. / etc.; Kyodo Building, 3–6, Nihonbashiningyocho 1–chome, Chuo–ku, Tokyo 103–0013 (JP).

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

---

(11) **WO 99/24065** (13) A1

(21) PCT/US98/23906

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,708 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/100,764 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 39/00, 39/21, 45/00, G01N 33/53**

(54) • COMPOUNDS INHIBITING CD4–gp120 INTERACTION AND USES THEREOF
• COMPOSES INHIBANT L'INTERACTION CD4–gp120 ET LEURS UTILISATIONS

(63) US 09/100,764 (CIP) 18 Jun/juin 1998 (18.06.1998)

(71) **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street and Broadway, New York, NY 10027 (US). **DANA–FARBER CANCER INSTITUTE** [US/US]; 44 Binney Street, Boston, MA 02115 (US). **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) **KWONG, Peter, D.** [US/US]; Apartment 403, 352 West 15th Street, New York, NY 10011 (US). **HENDRICKSON, Wayne, A.** [US/US]; 161 Mt. Hope Boulevard, Hastings–On–Hudson, NY 10706 (US). **SODROSKI, Joseph, G.** [US/US]; 10 Ashland Place, Medford, MA 02155 (US). **WYATT, Richard, T.** [US/US]; 11 Delphi Circle, Andover, MA 01810 (US). **SAMANEN, James, M.** [US/US]; 145 Jug Hollow Road, Phoenixville, PA 19460 (US).

(74) **WHITE, John, P.**; Cooper & Dunham LLP, 1185 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24066** (13) A2

(21) PCT/US98/23957

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,155 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 60/075,811 (32) **24 Feb/fév 1998 (24.02.1998)** (33) US

(31) Not furnished / non communiqué (32) **6 Nov/nov 1998 (06.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 39/00**

(54) • METHODS AND COMPOSITIONS FOR ENHANCING IMMUNE RESPONSE AND FOR THE PRODUCTION OF *IN VITRO* MABS
• TECHNIQUES ET COMPOSITIONS AFFERENTES VISANT A RENFORCER UNE REPONSE IMMUNITAIRE ET PERMETTANT DE PRODUIRE DES ANTICORPS MONOCLONAUX (AcM)

(71) **CYTIMMUNE SCIENCES, INC.** [US/US]; 8075 Greenmead Drive, College Park, MD 20740 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAMARKIN, Lawrence** [US/US]; 1055 Pipestream Place, Rockville, MD 20854 (US). **PACIOTTI, Giulio, F.** [US/US]; 6714 Potomac Hunt Court, Baltimore, MD 21075 (US).

(74) **PRIOR, Kimberly, J.** et al. / etc.; Jones & Askew, LLP, 37th floor, 191 Peachtree Street, N.E., Atlanta, GA 30303 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24067** (13) A1

(21) PCT/GB98/03346

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723630.1 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 39/04, 35/74**

(54) • *MICOBACTERIUM VACCAE* PREPARATION COMPRISING COLD–SHOCK PROTEINS AND ITS USE IN THERAPY
• PREPARATION DE *MYCOBACTERIUM VACCAE* COMPRENANT DES PROTEINES PRODUITES DANS DES CONDITIONS HYPOTHERMIQUES ET UTILISATION DE CETTE PREPARATION LORS DE THERAPIES

(71) **STANFORD ROOK LIMITED** [GB/GB]; Glen House, 200–208 Tottenham Court Road, London W1P 9LA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STANFORD, John, Lawson** [GB/GB]; Stanford Rook Limited, Glen House, 200–208 Tottenham Court Road, London W1P 9LA (GB). **McINTYRE, Graham** [GB/GB]; Stanford Rook Limited, Glen House, 200–208 Tottenham Court Road, London W1P 9LA (GB).

(74) **BRASNETT, Adrian, H.** et al. / etc.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24068** (13) A1

(21) PCT/US98/23090

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/967,716 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 39/12, 39/125, 39/145, 39/15, 39/155, 39/17, 39/215, 39/235, 39/245, 39/255, 39/275, C12N 5/06, C12Q 1/70, G01N 33/53**

(54) • IMMORTAL AVIAN CELL LINE TO GROW AVIAN AND ANIMAL VIRUSES TO PRODUCE VACCINES
• UTILISATION D'UNE LIGNEE CELLULAIRE AVIAIRE IMMORTELLE POUR CULTIVER DES VIRUS AVIAIRES OU ANIMAUX DESTINES A PRODUIRE DES VACCINS

(71) **MICHIGAN STATE UNIVERSITY** [US/US]; 238 Administration Building, East Lansing, MI 48824 (US).

(72) **REILLY, John, David**; 2219 Hampden Drive, Lansing, MI 48911 (US). **TAYLOR, Daniel, C.**; 5658 Deville Court, East lansing, MI 48823 (US). **MAES, Roger**; 172 West Sherwood Road, Okemos, MI 48864 (US). **COUSSENS, Paul, M.**; 511 Westmoreland Street, Lansing, MI 48915 (US).

(74) **MCLEOD, Ian, C.**; 2190 Commons Parkway, Okemos, MI 48864 (US).

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

Published / Publiée : *(a)*

---

(11) **WO 99/24069** (13) A1

(21) PCT/JP98/05025

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/307403 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(31) 10/121298 (32) **30 Apr/avr 1998 (30.04.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 39/395, 45/00, C12P 21/08**

(54) • PREVENTIVES AND REMEDIES FOR DIFFUSE LUNG DISEASES
• MEDICAMENTS PREVENTIFS ET THERAPEUTIQUES POUR DES AFFECTIONS PULMONAIRES DIFFUSES

(71) **MOCHIDA PHARMACEUTICAL CO., LTD.** [JP/JP]; 7, Yotsuya 1–chome, Shinjuku–ku, Tokyo 160–8515 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUWANO, Kazuyoshi** [JP/JP]; Faculty of Medicine, Kyushu University, 1–1, Maidashi 3–chome, Higashi–ku, Fukuoka–shi, Fukuoka–ken 812–0054 (JP).

(74) **WATANABE, Mochitoshi** et al. / etc.; Hayakawa–tonakai Building, 3rd floor, 12–5, Iwamoto–cho 2–chome, Chiyoda–ku, Tokyo 101–0032 (JP).

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

---

(11) **WO 99/24070** (13) A2

(21) PCT/EP98/07020

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) PD97A000253 (32) **6 Nov/nov 1997 (06.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 47/00**

(54) • ESTER DERIVATIVES OF HYALURONIC ACID WITH VISCOELASTIC PROPERTIES AND THEIR USE IN THE BIOMEDICAL AND HEALTHCARE FIELD
• DERIVES ESTERS D'ACIDE HYALURONIQUE A PROPRIETES VISCOELASTIQUES ET LEUR UTILISATION DANS LES DOMAINES BIOMEDICAL ET SANITAIRE

(71) **FIDIA ADVANCED BIOPOLYMERS, S.R.L.** [IT/IT]; Via De Carpentieri, 3, I–72100 Brindisi (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RENIER, Davide** [IT/IT]; Via degli Alpini, 4, I–35035 Mestrino (IT). **PAVESIO, Alessandra** [IT/IT]; Via Decorati al Valore Civile, 159, I–35100 Padova (IT). **CALLEGARO, Lanfranco** [IT/IT]; Via Monte Grappa, 6, I–36016 Thiene (IT).

(74) **SMITH, Norman, Ian** et al. / etc.; 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24071** (13) A1

(21) PCT/US98/23298

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/969,217 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 47/18, 38/28**

(54) • METHOD FOR DECREASING SELF–ASSOCIATION OF POLYPEPTIDES
• PROCEDE PERMETTANT DE REDUIRE L'ASSOCIATION SPONTANEE DE POLYPEPTIDES

(71) **ALZA CORPORATION** [US/US]; 950 Page Mill Road, P.O. Box 10950, Palo Alto, CA 94303–0802 (US).

(72) **LEUNG, Iris, Ka, Man**; 14727 Greenleaf Valley Drive, Chesterfield, MO 63017–5514 (US).

(74) **MILLER, D., Byron** et al. / etc.; Alza Corporation, 950 Page Mill Road, P.O. Box 10950, Palo Alto, CA 94303–0802 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24072** (13) A1

(21) PCT/JP98/04926

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) ja (26) ja

(31) 9/307371 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 47/30**

(54) • RELEASE–SUSTAINING AGENT FOR DRUGS AND SUSTAINED–RELEASE PHARMACEUTICAL COMPOSITION
• AGENT A LIBERATION PROLONGEE POUR MEDICAMENTS ET COMPOSITION PHARMACEUTIQUE A LIBERATION PROLONGEE

(71) **HISAMITSU PHARMACEUTICAL CO., INC.** [JP/JP]; 408, Tashirodaikan–machi, Tosu–shi, Saga 841–0017 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOTO, Takeshi** [JP/JP]; Tsukuba Laboratory of Hisamitsu Pharmaceutical Co., Inc., 25–11, Kannondai 1–chome, Tsukuba–shi, Ibaraki 305–0856 (JP). **SORIMACHI, Hiroshi** [JP/JP]; Tsukuba Laboratory of Hisamitsu Pharmaceutical Co., Inc., 25–11, Kannondai 1–chome, Tsukuba–shi, Ibaraki 305–0856 (JP). **YOSHITAKE, Kazuhisa** [JP/JP]; Tsukuba Laboratory of Hisamitsu Pharmaceutical Co., Inc., 25–11, Kannondai 1–chome, Tsukuba–shi, Ibaraki 305–0856 (JP). **ITOYAMA, Toshio** [JP/JP]; Tsukuba Laboratory of Hisamitsu Pharmaceutical Co., Inc., 25–11, Kannondai 1–chome, Tsukuba–shi, Ibaraki 305–0856 (JP).

(74) **HASEGAWA, Yoshiki** et al. / etc.; Soei International Patent Firm, 6F., Kyobashi National Building, 13–10, Kyobashi 2–chome, Chuo–ku, Tokyo 104–0031 (JP).

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

---

(11) **WO 99/24073** (13) A1

(21) PCT/HU98/00097

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) P 97 01945 (32) **10 Nov/nov 1997 (10.11.1997)** (33) HU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 47/48, 47/40, 31/335**

(54) • PHARMACEUTICAL COMPOSITIONS CONTAINING CYCLODEXTRINS AND TAXOIDS
• COMPOSITIONS PHARMACEUTIQUES CONTENANT DES CYCLODEXTRINES ET DES TAXOIDES

(71) **THISSEN LABORATOIRES S.A.** [BE/BE]; Rue de la Papyrée 2–4, B–1420 Braine l'Alleud (BE). **Cyclolab Co. Ltd.** [HU/HU]; Dombovári u. 5–7, H–1117 Budapest (HU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GÉCZY, Joseph, M.** [BE/BE]; Avenue Wolvendael 21/6, B–1180 Brussels (BE).

(74) **SOMFAI & PARTNERS INDUSTRIAL RIGHTS CO. LTD.**; Pozsonyi u. 38.II.5., H–1137 Budapest (HU).

(81) AL AU BA BG BR CA CN CU CZ EE GE HR ID IL IS JP KP KR LR LT LV MK MN MX NO NZ PL RO SI SK TR UA US UZ VN YU; EA (AM AZ BY KG 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)*

---

(11) **WO 99/24074** (13) A2

(21) PCT/US98/23704

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,705 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 47/48**

(54) • NOVEL CONJUGATES OF OPIOIDS AND ENDOGENOUS CARRIERS
• NOUVEAUX CONJUGUES OPIOIDES ET SUPPORTS ENDOGENES

(71) **CONJUCHEM, INC.** [CA/CA]; 3rd floor, Suite 3950, 225 President Kennedy Avenue West, Montreal, Quebec H2X 3Y8 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EZRIN, Alan, M.** [US/US]; 110 Quintas Lane, Moraga, CA 94556 (US). **BRIDON, Dominique, P.** [FR/CA]; 243 Chemin Cote Ste–Catherine, Outremont, Quebec H2V 2B2 (CA). **HOLMES, Darren, L.** [US/CA]; 3450 Drummond Street, Montreal, Quebec H3G 1T3 (CA). **MILNER, Peter** [GB/US]; 14690 Manuela Road, Los Altos Hills, CA 94022 (US).

(74) **WARD, Michael, R.** 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 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).

---

(11) **WO 99/24075** (13) A2

(21) PCT/US98/23705

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,705 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/077,927 (32) **13 Mar/mar 1998 (13.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 47/48**

(54) • AFFINITY MARKERS FOR HUMAN SERUM ALBUMIN
• MARQUEURS D'AFFINITE POUR LA SERUM–ALBUMINE HUMAINE

(71) **CONJUCHEM, INC.** [CA/CA]; Suite 810, 1801, boulevard de Maisonneuve West, Montreal, Quebec H3H 1J9 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KRANTZ, Alexander** [US/US]; 847 N. Humboldt Street #310, San Mateo, CA 94401 (US). **HUANG, Wolin** [US/US]; 872 Arcturus Circle, Foster City, CA 94404 (US). **HANEL, Arthur, M.** [US/US]; 195 Eureka Street #5, San Francisco, CA 94114 (US). **HOLMES, Darren, L.** [US/CA]; 3450 Drummond Street, Montreal, Quebec H3G 1T3 (CA). **BRIDON, Dominique, P.** [FR/CA]; 243, chemin Cote Sainte–Catherine, Outremont, Quebec H2V 2B2 (CA).

(74) **WARD, Michael, R.** 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 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).

---

(11) **WO 99/24076** (13) A2

(21) PCT/US98/23706

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,705 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 47/48, 49/00, G01N 33/50**

(54) • SALICYLATE DERIVATIZED THERAPEUTIC AND DIAGNOSTIC AGENTS
• AGENTS DIAGNOSTIQUES ET THERAPEUTIQUES DERIVATISES PAR SALICYLATE

(71) **CONJUCHEM, INC.** [CA/CA]; Suite 810, 1801 boulevard de Maisonneuve West, Montreal, Quebec H3H 1J9 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KRANTZ, Alexander** [US/US]; 847 North Humboldt Street #310, San Mateo, CA 94401 (US). **SONG, Yong Hong** [CA/US]; 1144 Nimitz Lane, Foster City, CA 94404 (US). **BRIDON, Dominique, P.** [FR/CA]; 243 chemin Cote Ste–Catherine, Outremont, Quebec H2V 2B2 (CA). **HARDY, Margaret** [–/CA]; Conjuchem, Inc., Suite 810, 1801 boulevard de Maisonneuve West, Montreal, Quebec H3H 1J9 (CA). **CHEN, Qui Qui** [–/CA]; Conjuchem, Inc., Suite 810, 1801 boulevard de Maisonneuve West, Montreal, Quebec H3H 1J9 (CA). **SETTINERI, Tina** [–/CA]; 850 Pointe Pacifica #1, Daly City, CA 94014 (US).

(74) **WARD, Michael, R.** 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 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).

---

(11) **WO 99/24077** (13) A2

(21) PCT/US98/23931

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,940 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 60/075,811 (32) **24 Feb/fév 1998 (24.02.1998)** (33) US

(31) 60/086,696 (32) **26 May/mai 1998 (26.05.1998)** (33) US

(31) 60/107,455 (32) **6 Nov/nov 1998 (06.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 47/48**

(54) • COMPOSITIONS AND METHODS FOR TARGETED DELIVERY OF FACTORS
• COMPOSITIONS ET PROCEDES D'ADMINISTRATION CIBLEE DE FACTEURS

(63) US Not furnished / non communiqué (CIP) Not furnished / non communiquée

(71) **CYTIMMUNE SCIENCES, INC.** [US/US]; 8075 Greenmead Drive, College Park, MD 20740 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **TAMARKIN, Lawrence** [US/US]; 1055 Pipestream Place, Rockville, MD 20854 (US). **PACIOTTI, Giulio, F.** [US/US]; 6714 Potomac Hunt Court, Baltimore, MD 21075 (US).

(74) **MERCHANT, Mary, Anthony** et al. / etc.; Jones & Askew, LLP, 37th floor, 191 Peachtree Street, N.E., Atlanta, GA 30303 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24078** (13) A1

(21) PCT/US98/24183

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,198 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 48/00, 39/395, 43/00**

(54) • PREVENTION OF IMMUNOREACTIVITY BY DEPLETING OR INHIBITING ANTIGEN PRESENTING CELLS
• PREVENTION D'UNE IMMUNOREACTIVITE PAR DEPLETION OU INHIBITION DE CELLULES PRESENTANT L'ANTIGENE

(71) **THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA** [US/US]; Suite 300, 3700 Market Street, Philadelphia, PA 19104–3147 (US). **THE TRUSTEES OF YALE UNIVERSITY** [US/US]; Room 210, 155 Whitney Avenue, P.O. Box 208336, New Haven, CT 06520–8336 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SHLOMCHIK, Warren, D.** [US/US]; 413 South 12th Street, Philadelphia, PA (US). **SHLOMCHIK, Mark, Jay** [US/US]; 27 Fox Den Drive, Woodbridge, CT 06525 (US). **EMERSON, Stephen, G.** [US/US]; 54 Briar Road, Wayne, PA 19087 (US).

(74) **LEARY, Kathryn, Doyle** et al. / etc.; Panitch Schwarze Jacobs & Nadel, P.C., 22nd floor, One Commerce Square, 2005 Market Street, Philadelphia, PA 19103–7086 (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).

---

(11) **WO 99/24079** (13) A1

(21) PCT/AU98/00939

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) PP 0320 (32) **11 Nov/nov 1997 (11.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 49/00, G01N 33/92**

(54) • IMPROVED LABELLED DIAGNOSTIC COMPOSITIONS AND METHODS OF THEIR USE
• COMPOSITIONS DE DIAGNOSTIC MARQUEES AMELIOREES ET UTILISATIONS

(71) **PEPTIDE DELIVERY SYSTEMS PTY. LTD.** [AU/AU]; The Colonnade, Suite 4, Level 2, 388 Hay Street, Subiaco, W.A. 6008 (AU). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **REDGRAVE, Trevor, G.** [AU/AU]; The University of Western Australia, Dept. of Physiology, Nedlands, W.A. 6009 (AU). **MARTINS, Ian, J.** [AU/AU]; The University of Western Australia, Dept. of Physiology, Nedlands, W.A. 6009 (AU).

(74) **HARWOOD, Errol, John** et al. / etc.; Wray & Associates, 239 Adelaide Terrace, Perth, W.A. 6000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24080** (13) A1

(21) PCT/GB98/03399

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723920.6 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(31) 9800158.9 (32) **5 Jan/jan 1998 (05.01.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 49/00, 51/04, C07C 57/22, 15/04, C07B 35/02, C10G 45/32**

(54) • PARA–HYDROGEN LABELLED AGENTS AND THEIR USE IN MAGNETIC RESONANCE IMAGING
• AGENTS MARQUES PAR PARA–HYDROGENE ET LEUR UTILISATION DANS L'IMAGERIE PAR RESONANCE MAGNETIQUE

(63) US 60/066,570 (CIP) 26 Nov/nov 1997 (26.11.1997)
US 60/076,924 (CIP) 5 Mar/mar 1998 (05.03.1998)

(71) **NYCOMED IMAGING AS** [NO/NO]; Nycoveien 1–2, N–0401 Oslo (NO). *(for all designated States except / pour tous les États désignés sauf US)*

(71) **COCKBAIN, Julian** [GB/GB]; 102 Cranbrook Road, London W4 2LJ (GB). *(only for / seulement pour GB)*

(72, 75) **GOLMAN, Klaes** [DK/SE]; Nycomed Innovation AB, Ideon, S–205 12 Malmö (SE). **AXELSSON, Oskar** [SE/SE]; Nycomed Innovation AB, Ideon, S–205 12 Malmö (SE). **JOHANNESON, Haukur** [IS/SE]; Nycomed Innovation AB, Ideon, S–205 12 Malmö (SE). **OLOFSSON, Charlotte** [SE/SE]; Nycomed Innovation AB, Ideon, S–205 12 Malmö (SE). **MÅNSSON, Sven** [SE/SE]; Nycomed Innovation AB, Ideon, S–205 12 Malmö (SE). **PETERSSON, Stefan** [SE/SE]; Nycomed Innovation AB, Ideon, S–205 12 Malmö (SE).

(74) **COCKBAIN, Julian** et al. / etc.; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24081** (13) A2

(21) PCT/US98/24169

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,022 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61K 51/10, 51/12**

(54) • A RADIONUCLIDE–BINDING COMPOUND AND ITS DELIVERY SYSTEM
• COMPOSE DE LIAISON DE RADIONUCLEIDES ET SON SYSTEME D'ADMINISTRATION

(71) **BATTELLE MEMORIAL INSTITUTE** [US/US]; Pacific Northwest Division, Intellectual Property Services, P.O. Box 999, Richland, WA 99352 (US). **IDAHO RESEARCH FOUNDATION, INC.** [US/US]; University of Idaho, Morrill Hall 103, Moscow, ID 83444–3003 (US).

(72) **FISHER, Darrell, R.**; 229 Saint, Richland, WA 99352 (US). **WAI, Chien, M.**; 472 Ridge Road, Moscow, ID 83843 (US). **CHEN, Xiaoyuan**; Apartment 3, 109 E. 4th Street, Moscow, ID 83843 (US).

(74) **ZIMMERMAN, Paul, W.**; Battelle Memorial Institute, Pacific Northwest Division, Intellectual Property Services, P.O. Box 999, Richland, WA 99352 (US).

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

---

(11) **WO 99/24082** (13) A2

(21) PCT/US98/23651

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,134 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61L**

(54) • CONFORMALLY COATED IMPLANTABLE MEDICAL DEVICE WITH HIGH DEFINITION WINDOW
• DISPOSITIF MEDICAL IMPLANTABLE A REVETEMENT CONFORME AVEC FENETRE HAUTE DEFINITION

(71) **SULZER INTERMEDICS INC.** [US/US]; 4000 Technology Drive, Angleton, TX 77515 (US).

(72) **GRAVES, Richard, M.**; 132 Bastrop, Angleton, TX 77515 (US). **HERBER, Martin, C.**; 11315 Ensbrook Drive, Houston, TX 77099 (US).

(74) **MERKLING, John, R.**; Sulzer Medica USA, Inc., 4000 Technology Drive, Angleton, TX 77515 (US).

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

---

(11) **WO 99/24083** (13) A1

(21) PCT/US98/04896

(22) **12 Mar/mar 1998 (12.03.1998)**

(25) en (26) en

(31) 08/969,206 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61L 15/08**

(54) • ORTHOPEDIC SUPPORT MATERIAL CONTAINING A SILICATE
• MATERIAU DE SUPPORT ORTHOPEDIQUE CONTENANT UN SILICATE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **CALLINAN, Andrew, J.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **WINDOM, Kimberly, D.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **UBEL, F., Andrew** 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 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 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).

---

(11) **WO 99/24084** (13) A1

(21) PCT/IE98/00091

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 970790 (32) **7 Nov/nov 1997 (07.11.1997)** (33) IE

(31) 980240 (32) **2 Apr/avr 1998 (02.04.1998)** (33) IE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61L 27/00, C08G 18/44, 18/30, 18/10**

(54) • BIOSTABLE POLYCARBONATE URETHANE PRODUCTS
• PRODUITS POLYCARBONATES URETHANES BIOSTABLES

(71) **SALVIAC LIMITED** [IE/IE]; 39–40 Upper Mount Street, Dublin 2 (IE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRADY, Eamon** [IE/IE]; 12 Karol Avenue, Elphin, County Roscommon (IE). **FARRELL, Fergal** [IE/IE]; Sheriff Hill, Moone, Athy, County Kildare (IE).

(74) **O'CONNOR, Donal, H.** et al. / etc.; Cruickshank & Co., 1 Holles Street, Dublin 2 (IE).

(81) 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 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).

---

(11) **WO 99/24085** (13) A2

(21) PCT/US98/23868

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,903 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M**

(54) • DEVICE AND METHOD FOR SIMULTANEOUSLY DELIVERING BENEFICIAL AGENTS TO BOTH CERVICAL AND VAGINAL LUMEN SIDES OF A VAGINA
• DISPOSITIF ET PROCEDE D'APPORT SIMULTANE D'AGENTS BENEFIQUES AUX COTES DES LUMIERES CERVICALE ET VAGINALE D'UN VAGIN

(71) **THE JOHNS HOPKINS UNIVERSITY** [US/US]; 3400 N. Charles Street, Baltimore, MD 21218 (US). **REPROTECT, LLC** [US/US]; 703 Stags Head Road, Baltimore, MD 21286 (US).

(72) **MOENCH, Thomas, R.**; 703 Stags Head Road, Baltimore, MD 21286–1446 (US). **CONE, Richard, A.**; 225 West Lafayette Avenue, Baltimore, MD 21217 (US). **WHALEY, Kevin, J.**; 2427 Eutaw Place, Baltimore, MD 21217 (US).

(74) **PICCIANO, Dante, J.**; Bell, Boyd & Lloyd, P.O. Box 1135, Chicago, IL 60690–1135 (US).

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

---

(11) **WO 99/24086** (13) A1

(21) PCT/US98/20510

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 08/967,687 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 1/00, 37/00**

(54) • FLEXIBLE MULTIPLE COMPARTMENT MEDICAL CONTAINER WITH PREFERENTIALLY RUPTURABLE SEALS
• RECIPIENT MEDICAL SOUPLE A PLUSIEURS COMPARTIMENTS POSSEDANT DE PREFERENCE DES JOINTS DE RUPTURE

(71) **B. BRAUN MEDICAL, INC.** [US/US]; 824 Twelfth Avenue, Bethlehem, PA 18018–0027 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BARNEY, Ward, W.** [–/US]; 22242 Destello, Mission Viejo, CA 92691 (US). **SMITH, Steven, L.** [US/US]; 21112 Paseo Verdura, Lake Forest, CA 92630 (US).

(74) **ELDREDGE, John, W.**; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109 (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).

---

(11) **WO 99/24087** (13) A1

(21) PCT/EP98/06860

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 50 062.5 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 1/36, 5/36, 1/00**

(54) • DEVICE FOR FILTERING AND DEGASSING BODILY FLUIDS, ESPECIALLY A BLOOD FILTER
• DISPOSITIF POUR LA FILTRATION ET LE DEGAZAGE DE FLUIDES CORPORELS, NOTAMMENT FILTRE POUR LE SANG

(71) **JOSTRA MEDIZINTECHNIK AG** [DE/DE]; Hechinger Strasse 38, D–72145 Hirrlingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPRANGER, Martin** [DE/DE]; Obere Strasse 43, D–72119 Ammerbuch (DE).

(74) **WITTE, Alexander** et al. / etc.; Rotebühlstrasse 121, D–70178 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)*

---

(11) **WO 99/24088** (13) A1

(21) PCT/US98/05555

(22) **20 Mar/mar 1998 (20.03.1998)**

(25) en (26) en

(31) 08/966,399 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 1/36**

(54) • FLEXIBLE BLOOD RESERVOIR MOUNTING BRACKET
• SUPPORT DE FIXATION FLEXIBLE POUR RESERVOIR SANGUIN

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **LINDSAY, Erin, J.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **VIITALA, Daniel, W.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **BAUER, Stephen, 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) 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 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).

---

(11) **WO 99/24089** (13) A2

(21) PCT/EP98/06900

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) de (26) de

(31) 297 20 010.0 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 3/00**

(54) • DEVICE FOR WASHING–OUT THE BLADDER
• DISPOSITIF DE LAVAGE VESICAL

(71) **BIEBER BIOMEDICAL GMBH** [DE/DE]; Johannes–Gutenberg–Strasse 3–5, D–65719 Hofheim (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BIEBER, Rolf** [DE/DE]; Eschersheimer Landstrasse 134, D–60322 Frankfurt am Main (DE).

(74) **AUE, Hans–Peter**; Rosenstrasse 1, D–65719 Hofheim (DE).

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

---

(11) **WO 99/24090** (13) A1

(21) PCT/US98/16354

(22) **5 Aug/août 1998 (05.08.1998)**

(25) en (26) en

(31) 08/966,337 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/00**

(54) • NEEDLELESS INJECTION SITE
• SITE D'INJECTION SANS AIGUILLE

(71) **CRITICAL DEVICE CORPORATION** [US/US]; Suite E, 499 Nibus Street, Brea, CA 92621 (US).

(72) **MAYER, Bruno, Franz, P.**; 9732 Willow Glenn Circle, Santa Ana, CA 92705 (US).

(74) **STETINA, Kit, M.** et al. / etc.; Stetina Brunda Garred & Brucker, Suite 401, 24661 Calle de la Louisa, Laguna Hills, CA 92653 (US).

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

---

(11) **WO 99/24091** (13) A1

(21) PCT/US98/23958

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,971 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/060,093 (32) **14 Apr/avr 1998 (14.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/00, 5/24**

(54) • TISSUE APPROXIMATION FORCEPS AND METHOD
• PINCE PERMETTANT L'AFFRONTEMENT DES LEVRES D'UNE PLAIE ET TECHNIQUE AFFERENTE

(71) **BIONIX DEVELOPMENT CORPORATION** [US/US]; 5154 Enterprise Drive, Toledo, OH 43612 (US).

(72) **HUTTNER, James, J.**; 4520 Promenade Lane, Sylvania, OH 43560 (US). **KINSEL, David, I.**; 5943 Sunrise Circle South, Sylvania, OH 43560 (US).

(74) **EMCH, Richard, D.** et al. / etc.; Emch, Schaffer, Schaub & Porcello Co., P.O. Box 916, Toledo, OH 43697–0916 (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).

---

(11) **WO 99/24092** (13) A1

(21) PCT/US98/24103

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,347 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/070,829 (32) **30 Apr/avr 1998 (30.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/00, 5/178**

(54) • CATHETER INSERTION DEVICE WITH RETRACTABLE NEEDLE
• DISPOSITIF D'INTRODUCTION DE CATHETER AVEC AIGUILLE RETRACTABLE

(71) **MDC INVESTMENT HOLDINGS, INC.** [US/US]; Delaware Trust Building, Suite 200, 900 Market Street, Wilmington, DE 19801 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOTICH, Michael, J.** [US/US]; 2330 Eagle Creek Lane, Oxnard, CA 93030 (US). **HALSETH, Thor, R.** [US/US]; 367 Buckboard Circle, Simi Valley, CA 93065 (US).

(74) **ELAND, Stephen, H.** et al. / etc.; Dann, Dorfman, Herrell & Skillman, P.C., Suite 720, 1601 Market Street, Philadelphia, PA 19103 (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).

---

(11) **WO 99/24093** (13) A1

(21) PCT/JP98/05056

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/310937 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/142, 5/00**

(54) • MEDICAL APPARATUS
• APPAREIL MEDICAL

(71) **TERUMO KABUSHIKI KAISHA** [JP/JP]; 44–1, Hatagaya 2–chome, Shibuya–ku, Tokyo 151–0072 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUTUZAWA, Akio** [JP/JP]; Terumo Kabushiki Kaisha, 2656–1, Ohbuchi, Fuji–shi, Shizuoka–ken 417–0801 (JP). **MIYASHITA, Ikuya** [JP/JP]; Terumo Kabushiki Kaisha, 2656–1, Ohbuchi, Fuji–shi, Shizuoka–ken 417–0801 (JP).

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

---

(11) **WO 99/24094** (13) A1

(21) PCT/US98/23838

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,583 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/145**

(54) • PNEUMATIC CONTROLLER AND METHOD
• DISPOSITIF DE COMMANDE PNEUMATIQUE ET PROCEDE ASSOCIE

(71) **INVASATEC, INC.** [US/US]; 10250 Valley View Road, Eden Prairie, MN 55344 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUCHON, Doug, J.** [US/US]; 9630 Foxford Road, Chanhassen, MN 55317 (US). **EASLEY, James, B.** [US/US]; 4105 Highwood Road, Orono, MN 55364 (US). **KRONICH, Christine** [US/US]; 1276 Raymond Avenue, St. Paul, MN 55108 (US).

(74) **INSKEEP, James, W.**; Oppenheimer Wolff & Donnelly, LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067–3024 (US).

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

---

(11) **WO 99/24095** (13) A2

(21) PCT/US98/23736

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/966,088 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/172**

(54) • ANGIOGRAPHIC INJECTOR SYSTEM WITH MULTIPLE PROCESSOR REDUNDANCY
• SYSTEME D'INJECTION POUR ANGIOGRAPHIE AVEC REDONDANCE DE PLUSIEURS PROCESSEURS

(71) **INVASATEC, INC.** [US/US]; 10250 Valley View Road, Eden Prairie, MN 55344 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUCHON, Doug, J.** [US/US]; 9630 Foxford Road, Chanhassen, MN 55317 (US). **SMITH, James, P.** [US/US]; 916 Duthmans Way, Watertown, MN 55388 (US). **ANDERSON, Katherine, H.** [US/US]; 1230 Wills Place, Golden Valley, MN 55422 (US). **WILSON, Robert, F.** [US/US]; 7373 Amber Drive, Shorview, MN 55126 (US). **LUI, Jiyan** [US/US]; 2758 Dale Street North, Roseville, MN 55113 (US).

(74) **INSKEEP, James, W.**; Oppenheimer Wolff & Donnelly, LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067–3024 (US).

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

---

(11) **WO 99/24096** (13) A1

(21) PCT/FR98/02357

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) fr (26) fr

(31) 97/13974 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/32**

(54) • METHOD AND APPARATUS FOR INDIVIDUAL DESTRUCTION OF SYRINGE NEEDLES BY MELTING UNDER THE EFFECT OF ELECTRIC CURRENT
• PROCEDE ET APPAREIL POUR LA DESTRUCTION INDUVIDUELLE DES AIGUILLES DE SERINGUE PAR FUSION SOUS L'EFFET D'UN COURANT ELECTRIQUE

(71) **HYPODEST PATENT DEVELOPMENT COMPANY – ARTE E PATENTES LDA** [PT/PT]; Avenida Arriaga, 30–3ºH, Sé, P–Funchal (PT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CEBOLLERO, Jean** [FR/FR]; 1, rue Jeliotte, F–64400 Oloron Sainte Marie (FR). **BOUNAIX, Fabrice** [FR/FR]; 103, avenue du Générale de Gaulle, F–54300 Luneville (FR). **GOLLIARD, Bruno** [FR/FR]; 18, rue du Château, F–54300 Luneville (FR). **MARCANDELLI, Jacques** [FR/FR]; 95, rue des Jardins, F–57830 Foulcrey (FR).

(74) **CABINET BARRE LAFORGUE & ASSOCIES**; 95, Rue des Amidonniers, F–31000 Toulouse (FR).

(81) AL AU BR CA CN CZ HU ID IL JP KR LT LV MK MX NO RO SG SI TR 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); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24097** (13) A1

(21) PCT/US98/02837

(22) **17 Feb/fév 1998 (17.02.1998)**

(25) en (26) en

(31) 60/065,108 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/32**

(54) • INTRACRANIAL BOLT AND METHOD OF PLACING AND USING AN INTRACRANIAL BOLT TO POSITION A MEDICAL DEVICE
• VIS INTRACRANIENNE ET TECHNIQUE DE MISE EN PLACE ET D'UTILISATION DE LADITE VIS POUR LE POSITIONNEMENT D'UN DISPOSITIF MEDICAL

(71) **STEREOTAXIS, INC.** [US/US]; Suite 200, 2730 Sand Hill Road, Menlo Park, CA 94025 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LAWSON, Michael, A.** [US/US]; 427 Dana Meadows Lane, Ballwin, MO 63021 (US). **WERP, Peter, R.** [US/US]; 146 Clover Way, Los Gatos, CA 95032 (US). **PENNY, Willian** [US/US]; 4457 Arden View Court, Arden Hills, MN 55112–1944 (US). **BLUME, Walter, M.** [US/US]; 446 Oak Avenue, Webster Groves, MO 63119 (US).

(74) **WHEELOCK, Bryan, K.**; Howell & Haferkamp, L.C., Suite 1400, 7733 Forsyth Boulevard, St. Louis, MO 63105 (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 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).

---

(11) **WO 99/24098** (13) A1

(21) PCT/US98/23514

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/966,056 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 5/32**

(54) • IMPROVED INJECTOR SYRINGE
• MODELE PERFECTIONNE DE SERINGUE A INJECTIONS

(63) US 08/966,056 (CON) 7 Nov/nov 1997 (07.11.1997)

(71) **LYZA WEISS JENNINGS & SHEA** [US/US]; 2918 201st Street, Lynwood, IL 60411 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LYZA, Henry, Walter, Jr.** [US/US]; 2918 201st Street, Lynwood, IL 60411 (US).

(74) **JUETTNER, Thomas, R.** et al. / etc.; Suite 850, 221 N. LaSalle Street, Chicago, IL 60601 (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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24099** (13) A1

(21) PCT/AU98/00950

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) PP 0269 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 16/00**

(54) • ADMINISTRATION OF CPAP TREATMENT PRESSURE IN PRESENCE OF APNEA
• ADMINISTRATION D'UNE PRESSION DANS UN TRAITEMENT DE VENTILATION SPONTANEE EN PRESSION POSITIVE CONTINUE

(71) **RESMED LIMITED** [AU/AU]; 82 Waterloo Road, North Ryde, NSW 2113 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BERTHON–JONES, Michael** [AU/AU]; 7, Leonay Parade, Leonay, NSW 2750 (AU). **FARRUGIA, Steven, Paul** [AU/AU]; 6A Elwin Street, Peakhurst, NSW 2210 (AU).

(74) **SPRUSON & FERGUSON**; G.P.O Box 3898, Sydney, NSW 2001 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24100** (13) A1

(21) PCT/US98/23720

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/966,340 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 16/00**

(54) • LIQUID VENTILATOR
• RESPIRATEUR A LIQUIDE

(71) **ALLIANCE PHARMACEUTICAL CORP.** [US/US]; 3040 Science Park Road, San Diego, CA 92121 (US). **TEMPLE UNIVERSITY – OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION** [US/US]; Broad & Montgomery Avenue, Philadelphia, PA 19122 (US).

(72) **SHAFFER, Thomas, H.**; 159 Bryn Mawr Avenue, Landowne, PA 19050 (US). **WOLFSON, Marla, R.**; 806 East Gravers Lane (Wyndmoor), Philadelphia, PA 19118 (US). **HECKMAN, James, L.**; 422 Houston Road, Ambler, PA 19002 (US). **HOFFMAN, John**; 13823 Terrilee Drive, Poway, CA 92064 (US).

(74) **SIMPSON, Andrew, H.**; Knobbe, Martens, Olson and Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

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

---

(11) **WO 99/24101** (13) A1

(21) PCT/EP98/00899

(22) **17 Feb/fév 1998 (17.02.1998)**

(25) de (26) de

(31) 297 19 834.3 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 16/12**

(54) • SPONTANEOUS BREATHING DEVICE WITH CONTINUOUS POSITIVE AIR PRESSURE (CPAP DEVICE)
• DISPOSITIF DE VENTILATION SPONTANEE EN PRESSION POSITIVE CONTINUE (DISPOSITIF CPAP)

(71) **MED IN MEDICAL INNOVATIONS** [DE/DE]; Baumbachstrasse 5j, D–81245 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WERNER, Liselotte** [DE/DE]; Schloßstrasse 76, D–82140 Olching (DE). **KNIEWASSER, Gert** [DE/DE]; Prinz–Heinrich–Strasse 4, D–82269 Kaltenberg (DE).

(74) **BARTH, Stephan**; Reinhard, Skuhra, Weise & Partner GbR, Postfach 44 01 51, D–80750 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 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 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).

---

(11) **WO 99/24102** (13) A1

(21) PCT/US98/23644

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,273 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 25/00, 31/00**

(54) • METHODS AND DEVICES FOR CANNULATING A PATIENT'S BLOOD VESSEL
• PROCEDES ET DISPOSITIFS POUR INTRODUIRE UNE CANULE DANS LE VAISSEAU SANGUIN D'UN PATIENT

(71) **HEARTPORT, INC.** [US/US]; 200 Chesapeake Drive, Redwood City, CA 94063 (US).

(72) **ROMLEY, Richard, M.**; 1542 Buena Vista Avenue, Alameda, CA 94501 (US). **DONLON, Brian, S.**; 13944 Fremont Pines Lane, Los Altos Hills, CA 94022 (US). **CORVI, Timothy, J.**; 3730 Sequoia Way, Belmont, CA 94002 (US). **FAN, Sylvia, W.**; 1203 Noe Street, San Francisco, CA 94114 (US). **KOMTEBEDDE, Jan**; 1065 Merriman Road, Cupertino, CA 95045 (US). **LEPULU, Keke, J.**; 1080 Yorktown, Sunnyvale, CA 94086 (US). **LUCATERO, Sylvester, B.**; 777 S. Mathilda Avenue #291, Sunnyvale, CA 94087 (US).

(74) **GRAINGER, Jeffry, J.** et al. / etc.; Heartport, Inc., 700 Bay Road, Redwood City, CA 94063 (US).

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

---

(11) **WO 99/24103** (13) A1

(21) PCT/DE98/03285

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 741.1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 25/02, A61J 15/00**

(54) • DEVICE FOR THE FIXATION OF A PERCUTANEOUS FLEXIBLE LINE
• DISPOSITIF DE FIXATION D'UN FLEXIBLE POSE DE FAÇON PERCUTANEE

(71) **MEDI–GLOBE GIP MEDIZIN TECHNIK GMBH** [DE/DE]; Bahnhofstrasse 110, D–83224 Grassau (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAUSCH, Gudrun** [DE/DE]; Pfieffrain 56, D–34212 Melsungen (DE). **JAECKEL, Ralf** [DE/DE]; Schiessstattstrasse 1, D–83024 Rosenheim (DE).

(74) **NÄTEBUSCH, Roderich**; Ottostrasse 24a, D–85521 Ottobrunn (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)*

---

(11) **WO 99/24104** (13) A1

(21) PCT/IB98/01888

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,913 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 25/10, 29/02**

(54) • BALLOON CATHETER FOR REPAIRING BIFURCATED VESSELS
• CATHETER A BALLONNETS POUR LA REPARATION DE VAISSEAUX BIFURQUES

(71) **AVE CONNAUGHT** [IE/IE]; 41–45 St. Stephen's Green, Dublin 2 (IE).

(72) **CARLETON, Maria, L.**; 14A Coachman's Apartments, Lower Dominic Street, Galway (IE). **MCNALLY, Shane**; 49 The Corn Exchange, Poolberg Street, Dublin 2 (IE). **STANDISH, Geraldine**; 56 Ballybrit Court, Galway (IE).

(74) **BAYLISS, Geoffrey, C.**; Boult Wade Tennant, 27 Furnival Street, London EC4 1PQ (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 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).

---

(11) **WO 99/24105** (13) A2

(21) PCT/US98/23568

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/966,279 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 25/10, 29/02**

(54) • METHOD AND APPARATUS FOR TREATING STENOSIS OF THE CAROTID ARTERY
• TRAITEMENT DE LA STENOSE CAROTIDIENNE ET APPAREIL CORRESPONDANT

(71, 72) **HOWARD, John** [US/US]; 2711 Flintgrove Road, Charlotte, NC 28226 (US).

(74) **REGAN, Christopher**; Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A., Suite 1401, 255 S. Orange Avenue, P.O. Box 3791, 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24106** (13) A1

(21) PCT/US98/21368

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/063,985 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 09/041,475 (32) **11 Mar/mar 1998 (11.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 31/00, 5/142**

(54) • INTRAVESICAL INFUSER
• INFUSEUR INTRAVESICAL

(71) **UROS CORPORATION** [US/US]; Suite 400, 201 Lomas Santa Fe Drive, Solana Beach, CA 92075–1289 (US).

(72) **MATSUURA, David, G.**; 1356 Oak View Way, Escondido, CA 92029 (US). **GILLESPIE, Walter, Dean**; 8652 Hayes, La Mesa, CA 91941 (US). **GREELIS, John, Patrick**; 883 Buttercup Road, Carlsbad, CA 92009 (US). **PARSONS, Charles, Lowell**; 6699 Avenida Andorra, La Jolla, CA 92037 (US). **SIRIVONG, Mikxay**; 4890 Jarrett Court, San Diego, CA 92113 (US). **ZUPKAS, Paul, F.**; 1668 Los Altos Road, San Diego, CA 92109 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24107** (13) A1

(21) PCT/US98/23857

(22) **7 Nov/nov 1998 (07.11.1998)**

(25) en (26) en

(31) 60/064,656 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/056,050 (32) **7 Apr/avr 1998 (07.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 31/00**

(54) • BIODEGRADABLE, ANIONIC POLYMERS DERIVED FROM THE AMINO ACID L–TYROSINE
• POLYMERES ANIONIQUES BIODEGRADABLES DERIVES DE L–TYROSINE AMINOACIDE

(71) **RUTGERS, THE STATE UNIVERSITY** [US/US]; Old Queens, Somerset Street, New Brunswick, NJ 08903 (US).

(72) **KOHN, Joachim, B.**; 58 Brookdale Court, Highland Park, NJ 08904 (US). **BOLIKAL, Durgadas**; 44 Middlesex Avenue, Edison, NJ 08820 (US). **BRODE, George, L.**; 653 Carlene Drive, Bridgewater, NJ 08807 (US). **ERTEL, Sylvie, I.**; 36, rue de la Montagne, F–68440 Habsheim (FR). **GUAN, Shuiyun**; 9 Berwick Way, Piscataway, NJ 08854 (US). **KEMNITZER, John, E.**; 2006 Deer Creek Drive, Plainsboro, NJ 08536 (US).

(74) **BUTCH, Peter, J., III** et al. / etc.; Synnestvedt & Lechner LLP, 2600 Aramark Tower, 1101 Market Street, Philadelphia, PA 19107–2950 (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).

---

(11) **WO 99/24108** (13) A1

(21) PCT/JP98/04797

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) ja (26) ja

(31) 9/290952 (32) **23 Oct/oct 1997 (23.10.1997)** (33) JP

(31) 9/308864 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 10/145304 (32) **27 May/mai 1998 (27.05.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61M 39/02, 39/00**

(54) • MIXING/CHARGING PORT FOR MEDICAL TREATMENT
• DISPOSITIF D'ENTREE DE MELANGE/ADMINISTRATION DE TRAITEMENT MEDICAL

(71) **JMS CO., LTD.** [JP/JP]; 12–17, Kakomachi, Naka–ku, Hiroshima–shi, Hiroshima 730–8652 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMANAKA, Syuichi** [JP/JP]; JMS Co., Ltd., 12–17, Kakomachi, Naka–ku, Hiroshima–shi, Hiroshima 7300–8652 (JP). **OKIYAMA, Tadashi** [JP/JP]; JMS Co., Ltd., 12–17, Kakomachi, Naka–ku, Hiroshima–shi, Horoshima 730–8652 (JP). **FUJI, Ryoji** [JP/JP]; JMS Co., Ltd., 12–17, Kakomachi, Naka–ku, Hiroshima–shi, Hiroshima 730–8652 (JP).

(74) **IKEUCHI, Hiroyuki** et al. / etc.; Umeda Plaza Building, Suite 404, 3–25, Nishitenma 4–chome, Kita–ku, Osaka–shi, Osaka 530–0047 (JP).

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

---

(11) **WO 99/24109** (13) A2

(21) PCT/DE98/03328

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 50 043.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 1/00**

(54) • CUFF ELECTRODE AND METHOD FOR MANUFACTURING THE SAME
• ELECTRODE CUFF ET SON PROCEDE DE PRODUCTION

(71, 72) **BARTHA, Johann, W.** [DE/DE]; Am Vechteufer 8, D–48629 Metelen (DE). **BOTHE, Hans–Werner** [DE/DE]; Osthofstrasse 64a, D–48163 Münster (DE). **CHLEBEK, Jürgen** [DE/DE]; Steinfurther Strasse 7, D–48366 Laer (DE).

(74) **BUNGARTZ, Klaus** et al. / etc.; Bungartz, Hublé, Hübsch & Partner, Eupener Strasse 161a, D–50933 Köln (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24110** (13) A1

(21) PCT/SE98/02012

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9704076–0 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 1/32, C12N 13/00**

(54) • METHOD FOR ELECTRO–PERMEABILISATION OF INDIVIDUAL CELLULAR AND ORGANELLAR STRUCTURES AND USE THEREOF
• PROCEDE D'ELECTROPERMEABILISATION DE STRUCTURES CELLULAIRES ET D'ORGANITES INDIVIDUELS ET LEUR UTILISATION

(71) **A+ SCIENCE INVEST AB** [SE/SE]; P.O. Box 3096, S–400 10 Göteborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ORWAR, Owe** [SE/SE]; Haga Kyrkogata 4, S–411 23 Göteborg (SE). **LUNDQVIST, Anders** [SE/SE]; Fjärde Långgatan 28, S–413 27 Göteborg (SE). **ERIKSSON, Peter** [SE/SE]; Dr. Saléns Gata 10, S–413 22 Göteborg (SE). **CHIU, Daniel** [US/US]; 36900 Papaya Street, Newark, CA 94560 (US).

(74) **AWAPATENT AB**; P.O. Box 11394, S–404 28 Göteborg (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 EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) 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 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).

---

(11) **WO 99/24111** (13) A1

(21) PCT/US98/23488

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,580 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 1/36**

(54) • METHOD AND APPARATUS FOR TREATING OROPHARYNGEAL DISORDERS WITH E LECTRICAL STIMULATION
• TECHNIQUE ET DISPOSITIF PERMETTANT DE TRAITER LES TROUBLES OROPHARYNGES PAR STIMULATION ELECTRIQUE

(71) **ESD LIMITED LIABILITY COMPANY** [US/US]; 26900 Cedar Road, Beachwood, OH 44122 (US).

(72) **FREED, Marcy, L.**; 3011 Kersdale Road, Pepper Pike, OH 44124 (US). **FREED, Leonard, A.**; 639 Akoakoa, Kailua, HI 96734 (US). **CHRISTIAN, Michael, O.**; 26955 Annesley Road, Beachwood, OH 44122 (US). **TUCKER, Howard**; 2801 North Park, Cleveland Heights, OH 44118 (US). **KOTTON, Bernard**; 25410 Bryden Road, Beachwood, OH 44122 (US). **BEYTAS, Erol, M.**; 24675 Woodside Road, Beachwood, OH 44122 (US). **ASMAR, Marie**; 703 Edgewood Road, Richmond Heights, OH 44143 (US).

(74) **LUEDKE, Adriana, Suringa**; Covington & Burling, 1201 Pennsylvania Avenue, N.W., P.O. Box 7566, Washington, DC 20044–7566 (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).

(11) **WO 99/24112** (13) A1

(21) PCT/US98/23498

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,107 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 1/37**

(54) • NON–PHYSIOLOGIC SENSE DETECTION FOR IMPLANTABLE MEDICAL DEVICES
• DISTINCTION DES DETECTIONS NON PHYSIOLOGIQUES POUR DISPOSITIFS MEDICAUX IMPLANTABLES

(71) **MEDTRONIC, INC.** [US/US]; 7000 Central Avenue Northeast, Minneapolis, MN 55432 (US).

(72) **CINBIS, Can**; 5686 Pleasant Drive, Shoreview, MN 55126 (US). **REINKE, James, D.**; 7731 Ranchview Lane, Maple Grove, MN 55311 (US). **TANJI, Todd, M.**; 1895 Deer Hills Trail, Eagan, MN 55122 (US).

(74) **ATLASS, Michael, B.** et al. / etc.; Medtronic, Inc. MS301, 7000 Central Avenue Northeast, Minneapolis, MN 55432 (US).

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

---

(11) **WO 99/24113** (13) A1

(21) PCT/US98/23513

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,801 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 1/37**

(54) • PACING LEAD IMPEDANCE MONITORING CIRCUIT AND METHOD
• CIRCUIT DE SURVEILLANCE DE L'IMPEDANCE DE LA SONDE–ELECTRODE ET PROCEDE CORRESPONDANT

(71) **MEDTRONIC, INC.** [US/US]; 7000 Central Avenue Northeast, Minneapolis, MN 55432 (US).

(72) **CINBIS, Can**; 5686 Pleasant Drive, Shoreview, MN 55126 (US). **REINKE, James, D.**; 7731 Ranchview Lane, Maple Grove, MN 55311 (US). **TANJI, Todd, M.**; 1895 Deer Hills Trail, Eagan, MN 55122 (US).

(74) **ATLASS, Michael, B.** et al. / etc.; Medtronic, Inc., MS301, 7000 Central Avenue Northeast, Minneapolis, MN 55432 (US).

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

---

(11) **WO 99/24114** (13) A1

(21) PCT/US98/22194

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(31) 08/965,347 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 08/994,495 (32) **19 Dec/déc 1997 (19.12.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 1/39**

(54) • EXTERNAL DEFIBRILLATOR WITH CPR PROMPTS AND ACLS PROMPTS AND METHOD OF USE
• DEFIBRILLATEUR EXTERNE AVEC MESSAGES DE REANIMATION CARDIO–RESPIRATOIRE ET MESSAGES DE SOINS CARDIAQUES SPECIALISES ET SON PROCEDE D'UTILISATION

(63) US 08/965,347 (CIP) 6 Nov/nov 1997 (06.11.1997)
US 08/994,495 (CIP) 19 Dec/déc 1997 (19.12.1997)

(71) **HEARTSTREAM, INC.** [US/US]; Suite 300, 2401 Fourth Avenue, Seattle, WA 98121–1436 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SNYDER, Cecily, Anne** [US/US]; 107 Font Boulevard, San Francisco, CA 94132 (US). **GLINER, Bradford, E.** [US/US]; 4368 230th Way S.E., Issaquah, WA 98029 (US). **SNYDER, David, E.** [US/US]; 353 Wallace Way N.E. #15, Bainbride Island, WA 98110 (US).

(74) **SNYDER, Cecily, Anne** et al. / etc.; Hewlett–Packard Company, IP Administration, M/S 20BN, P.O. Box 10301, Palo Alto, CA 94303–0890 (US).

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

Published / Publiée : *(a)*

---

(11) **WO 99/24115** (13) A1

(21) PCT/ES98/00300

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) es (26) es

(31) P 9702350 (32) **11 Nov/nov 1997 (11.11.1997)** (33) ES

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 5/00, A01K 13/00, A61K 41/00**

(54) • METHOD AND APPARATUS FOR TRANSFERRING INFORMATION FROM A FIRST SUBSTANCE TO A SECOND SUBSTANCE, AND ANTIPARASITE PLATE
• PROCEDE ET APPAREIL PERMETTANT DE TRANSFERER DES INFORMATIONS D'UNE PREMIERE SUBSTANCE A UNE DEUXIEME SUBSTANCE, ET PLAQUE ANTIPARASITAIRE

(71) **SCALARMIND, S.L.** [ES/ES]; Avenida de las Juntas Generales, 2 – 1° derecha, E–48901 Barakaldo (ES).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AHECHU AGARRABERES, Juan Luis** [ES/ES]; Mayor, 13, E–31154 Añorbe (ES).

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

(81) AU BB BG BR BY CA CN CU CZ GE HR HU ID IL JP KP KR LV MX NO NZ PL RO SI SK TR US 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 GW ML MR NE SN TD TG).

---

(11) **WO 99/24116** (13) A1

(21) PCT/US98/23408

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,900 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 5/00**

(54) • RADIATION DELIVERY CATHETER
• CATHETER D'APPORT DE RAYONNEMENTS

(71) **RADIANCE MEDICAL SYSTEMS, INC.** [US/US]; Suite 157, 13700 Alton Parkway, Irvine, CA 92618 (US).

(72) **VON HOFFMANN, Gerard**; 3 Via Presea, Trabuco Canyon, CA 92679 (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 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).

Published / Publiée : *(a)*

---

(11) **WO 99/24117** (13) A1

(21) PCT/US98/23675

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,611 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/080,052 (32) **31 Mar/mar 1998 (31.03.1998)** (33) US

(31) 60/087,202 (32) **29 May/mai 1998 (29.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A61N 5/00**

(54) • DEVICE FOR INTRAVASCULAR DELIVERY OF BETA EMITTING ISOTOPES
• DISPOSITIF POUR L'ADMINISTRATION INTRAVASCULAIRE D'ISOTOPES EMETTEURS BETA

(71) **GLOBAL VASCULAR CONCEPTS, INC.** [US/US]; 4615 Brookhollow, Atlanta, GA 30327 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BROWN, Charles, L., III** [US/US]; 4615 Brookhollow, Atlanta, GA 30327 (US).

(74) **BOONE, M., Scott** et al. / etc.; Jones & Askew, LLP, 2400 Monarch Tower, 3424 Peachtree Road, N.E., Atlanta, GA 30326 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24118** (13) A1

(21) PCT/IL98/00539

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 122165 (32) **11 Nov/nov 1997 (11.11.1997)** (33) IL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A62B 1/12, 1/10**

(54) • BRAKING DEVICE
• DISPOSITIF DE FREINAGE

(71, 72) **HERSHTIK, Arie** [IL/IL]; HaGevura HaYehudit Street 24, 75281 Rishon le Zion (IL).

(74) **COLB, Sanford, T.** et al. / etc.; Sanford T. Colb & Co., P.O. Box 2273, 76122 Rehovot (IL).

(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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24119** (13) A1

(21) PCT/US98/23851

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723740.8 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A62B 23/02**

(54) • RESPIRATORY MASKS HAVING VALVES AND OTHER COMPONENTS ATTACHED TO THE MASK BY A PRINTED PATCH OF ADHESIVE
• MASQUES RESPIRATOIRES PRESENTANT DES VALVES ET D'AUTRES COMPOSANTS FIXES AU MASQUE PAR UNE PASTILLE ADHESIVE IMPRIMEE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **WILLIAMS, Elfed, I.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **CURRAN, Desmond, T.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **HANSON, Karl, G.** 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24120** (13) A1

(21) PCT/GB98/03360

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723916.4 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A62D 1/00**

(54) • FIRE OR EXPLOSION SUPPRESSANTS AND METHODS
• AGENT EXTINCTEUR OU SUPPRESSEUR D'EXPLOSION ET PROCEDES CORRESPONDANTS

(71) **KIDDE–GRAVINER LIMITED** [GB/GB]; Pentagon House, Sir Frank Whittle Road, Derby (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **CHATTAWAY, Adam** [GB/GB]; 13 Lark Avenue, Moormede, Staines, Middlesex TW18 4RX (GB). **PREECE, Stephen, Richard** [GB/GB]; White Cottage, Roundbush, Aldenham, Watford, Hertfordshire WD2 8BH (GB).

(74) **MATHISEN, MACARA & CO.**; The Coach House, 6–8 Swakeleys Road, Ickenham, Uxbridge, Middlesex UB10 8BZ (GB).

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

---

(11) **WO 99/24121** (13) A1

(21) PCT/IB98/01783

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) BO97A000665 (32) **10 Nov/nov 1997 (10.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63B 23/04**

(54) • EXERCISE MACHINE FOR A USER IN THE ERECT POSITION
• EXERCISEUR S'UTILISANT EN POSITION DEBOUT

(71) **TECHNOGYM S.R.L.** [IT/IT]; Via G. Perticari, 20, I–47035 Gambettola (IT). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **ALESSANDRI, Nerio** [IT/IT]; Via Matteotti, 27, I–47020 Longiano (IT). **CAMELLI, Marco** [IT/IT]; Via della Croce, 13, I–48018 Faenza (IT).

(74) **LANZONI, Luciano**; Bugnion S.p.A., Via dei Mille, 19, I–40121 Bologna (IT).

(81) AU BR CA CN 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)*

---

(11) **WO 99/24122** (13) A1

(21) PCT/SE98/02008

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) sv (26) en

(31) 9704059–6 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63B 27/00, 29/00**

(54) • CLIMBING DEVICE
• APPAREIL POUR GRIMPER

(71) **ACT SAFE AB** [SE/SE]; Östergatan 16, S–434 30 Kungsbacka (SE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SUNDMAN, Peter** [SE/SE]; PL 3289, S–434 93 Vallda (SE).

(74) **HELLBOM, Lars** et al. / etc.; Albihns Patentbyrå Stockholm AB, P.O. Box 5581, S–114 85 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 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).

---

(11) **WO 99/24123** (13) A1

(21) PCT/US98/19064

(22) **15 Sep/sep 1998 (15.09.1998)**

(25) en (26) en

(31) 08/966,372 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63B 31/11**

(54) • SWIM FIN INCORPORATING PRONATION COMPENSATION STRUCTURE
• PALME INCORPORANT UNE STRUCTURE DE COMPENSATION DE PRONATION

(71, 72) **MCLAUGHLIN, Matthew, M.** [US/US]; 1844 S. Pacific Street, Oceanside, CA 92054 (US).

(74) **MURPHEY, John, J.**; Murphey Law Offices, APC, Pacific Center One, Suite 260, 701 Palomar Airport Road, Carlsbad, CA 92009–1027 (US).

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

---

(11) **WO 99/24124** (13) A1

(21) PCT/US98/23219

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,605 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63B 53/04**

(54) • GOLF PUTTER WITH IMPROVED CURVED STRIKING FACE, PUTTER SYSTEM, AND METHOD OF MAKING SAME
• PUTTER DE GOLF AYANT UNE FACE DE FRAPPE INCURVEE AMELIOREE, UTILISATION DU PUTTER ET PROCEDE DE FABRICATION DU PUTTER

(71) **TEARDROP GOLF COMPANY** [US/US]; 8350 North Lehigh Avenue, Morton Grove, IL 60053 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SLUCKER, Rudy** [US/US]; 66 Duffield Drive, South Orange, NJ 07079 (US). **REED, Timothy, R.** [US/US]; 140 Glen Road, Hawthorne, IL 60047 (US). **ZERAVICA, John** [US/US]; 224 East Center Avenue, Lake Bluff, IL 60044 (US).

(74) **HOFFMAN, Richard, B.**; Tilton, Fallon, Lungmus & Chestnut, 100 South Wacker Drive, Chicago, IL 60606–4002 (US).

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

(11) **WO 99/24125** (13) A2

(21) PCT/US98/23836

(22) **8 Nov/nov 1998 (08.11.1998)**

(25) en (26) en

(31) 08/967,379 (32) **8 Nov/nov 1997 (08.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63C**

(54) • FOOT–FRONT ACTUATED ROLLER SKATES
• PATINS A ROULETTES ACTIONNES PAR L'AVANT DU PIED

(71, 72) **DAM, Jun** [US/US]; 1962 44th Avenue, San Francisco, CA 94116 (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).

---

(11) **WO 99/24126** (13) A1

(21) PCT/SI98/00006

(22) **17 Mar/mar 1998 (17.03.1998)**

(25) en (26) en

(31) P–9700291 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63C 5/075, 5/12**

(54) • SKI PROVIDED WITH A VIBRATION DAMPING LAYER
• SKI DOTE D'UNE COUCHE D'AMORTISSEMENT DES VIBRATIONS

(71) **ELAN LINE D.O.O.** [SI/SI]; Begunje 1, 4275 Begunje na Gorenjskem (SI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ŠKOFIC, Pavel** [SI/SI]; Vrbnje 46, 4240 Radovljica (SI).

(74) **BORŠTAR, Dušan**; Nova ulica 11, 1230 Domžale (SI).

(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 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 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 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).

---

(11) **WO 99/24127** (13) A1

(21) PCT/NL98/00649

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) nl (26) en

(31) 1007508 (32) **10 Nov/nov 1997 (10.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63C 17/24**

(54) • A ROLLER SKATE
• PATIN A ROULETTES

(71, 72) **BAKX, Wilhelmus, Stefanus, Antonius, Maria** [NL/NL]; Peschstraat 42, NL–6166 CT Geleen (NL).

(74) **VAN KAN, J., J., H.**; Algemeen Octrooibureau, World Trade Center, Pastoor Petersstraat 160, NL–5612 LV Eindhoven (NL).

(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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24128** (13) A1

(21) PCT/AU98/00931

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) PP 0279 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63C 19/00**

(54) • BALL GAME
• JEU DE BALLON

(71, 72) **COOPER, John, Mary** [AU/AU]; 3/287 Victoria Road, Thornbury, VIC 3071 (AU).

(74) **NOONAN, Greg** et al. / etc.; Freehills Patent Attorneys, Level 47, 101 Collins Street, Melbourne, VIC 3000 (AU).

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

---

(11) **WO 99/24129** (13) A1

(21) PCT/GB98/03307

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9723449.6 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63F 3/02, 3/00**

(54) • THREE–DIMENSIONAL NOUGHTS AND CROSSES TYPE OF GAME
• JEU DE MORPION TRIDIMENSIONNEL

(71, 72) **DUNNE, Stephen, Terence** [GB/GB]; The Cottage, Great Finborough, Stowmarket, Suffolk IP14 3AE (GB).

(74) **DUMMETT, Thomas, Ian, Peter** et al. / etc.; Dummett Copp, 25 The Square, Martlesham Heath, Ipswich, Suffolk IP5 3SL (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24130** (13) A1

(21) PCT/IB98/00367

(22) **3 Feb/fév 1998 (03.02.1998)**

(25) en (26) en

(31) 2,217,419 (32) **12 Nov/nov 1997 (12.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63F 3/06**

(54) • IDENTIFICATION PROCESS OF SECURED MARKINGS IN SCRATCHABLE ZONE OF INSTANT WIN LOTTERY TICKETS
• PROCEDE D'IDENTIFICATION DE MARQUES PROTEGEES D'UNE ZONE A GRATTER DE BILLETS DE LOTERIE A GAIN INSTANTANE

(71) **PACIFIC HORIZON INTERNATIONAL, LTD.** [–/–]; c/o IPC International Ltd., Front Street, P.O. Box 192, Grand Turks (TC).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **MERSILIAN, Serge** [CA/CA]; 5785 Northmount Avenue, Montreal, Quebec H3S 2H4 (CA).

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

---

(11) **WO 99/24131** (13) A1

(21) PCT/BE98/00157

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) nl (26) en

(31) 9700843 (32) **22 Oct/oct 1997 (22.10.1997)** (33) BE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63F 9/06**

(54) • PUZZLE
• PUZZLE

(71, 72) **VANHEE, Chris** [BE/BE]; Rozenhof 67, B–8793 St. Eloois–Vijve (BE).

(74) **LEHERTE, Georges**; K.O.B. N.V., Kennedypark 31c, B–8500 Kortrijk (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24132** (13) A1

(21) PCT/JP98/05014

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/306244 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(31) 9/350392 (32) **19 Dec/déc 1997 (19.12.1997)** (33) JP

(31) 10/118997 (32) **28 Apr/avr 1998 (28.04.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63F 9/22, A63G 31/02, G09B 9/042, G05G 5/03, 25/00**

(54) • GAME MACHINE
• MACHINE DE JEU

(71) **SEGA ENTERPRISES, LTD.** [JP/JP]; 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NISHIMURA, Eiji** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP). **MATSUBA, Minoru** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP). **HIGASHIGUCHI, Motohiko** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (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) 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 : *(a)*

---

(11) **WO 99/24133** (13) A1

(21) PCT/KR98/00357

(22) **7 Nov/nov 1998 (07.11.1998)**

(25) ja (26) ja

(31) 1997/58913 (32) **8 Nov/nov 1997 (08.11.1997)** (33) KR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63F 9/22**

(54) • ELECTRONIC GAME MACHINE AND METHOD EMPLOYING DOLL
• MACHINE ET PROCEDE DE JEU ELECTRONIQUE EMPLOYANT UNE POUPEE

(71) **SEJI ELECTRONICS CO., LTD.** [KR/KR]; 205–2, Ichon–dong, Yongsan–ku, Seoul 140–040 (KR).

(71, 72) **SHIN, Beom, Cheol** [KR/KR]; Na–104, Jangmi Yoellip 118, Bangchuk–dong, Geoyang–ku, Inchon 407–480 (KR).

(74) **WON, Eun, Sup**; 736–16, Yeoksam–dong, Kangnam–ku, Seoul 135–080 (KR).

(81) CN JP.

---

(11) **WO 99/24134** (13) A1

(21) PCT/US98/23717

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/064,904 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/001,037 (32) **30 Dec/déc 1997 (30.12.1997)** (33) US

(31) 60/094,091 (32) **24 Jul/juil 1998 (24.07.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **A63H 27/00**

(54) • FLYING APPARATUS AND ASSEMBLY METHOD
• DISPOSITIF VOLANT ET PROCEDE D'ASSEMBLAGE

(71, 72) **STUFFELBEAM, Kim** [US/US]; 7851 Brookside Avenue, Sebastopol, CA 95472 (US).

(74) **BLACK, Gerald, R.**; Suite 160, 30590 Southfield Road, Southfield, MI 48076 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24135** (13) A1

(21) PCT/US98/23810

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,275 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 3/32, 3/16**

(54) • VAPOR–LIQUID CONTACT TRAY ASSEMBLY
• ENSEMBLE PLATEAUX DE CONTACT VAPEUR–LIQUIDE

(71) **KOCH–GLITSCH, INC.** [US/US]; 4111 E. 37th Street N., Wichita, KS 67220 (US).

(72) **BINKLEY, Michael, J.**; 2006 S. UHL Road, Glenn Heights, TX 75154 (US). **GAGE, Gary, W.**; 1818 Santa Maria Court, Grand Prairie, TX 75051 (US).

(74) **WERESH, John, A.** et al. / etc.; Shook, Hardy & Bacon L.L.P, One Kansas City Place, 1200 Main Street, Kansas City, MO 64105–2118 (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).

---

(11) **WO 99/24136** (13) A1

(21) PCT/DE98/03298

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 836.1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 8/00, 7/02, F25J 3/08**

(54) • FREEZING A GAS COMPONENT IN A GAS MIXTURE
• SEPARATION PAR CONGELATION D'UN CONSTITUANT GAZEUX CONTENU DANS UN MELANGE GAZEUX

(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) **HACKFORT, Helmut** [DE/DE]; Belvederestrasse 48, D–50933 Köln (DE).

(74) **FORSCHUNGSZENTRUM JÜLICH GMBH**; Personal und Recht – Patente, D–52425 Jülich (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)*

---

(11) **WO 99/24137** (13) A1

(21) PCT/US98/23935

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,287 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/137,019 (32) **20 Aug/août 1998 (20.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 15/08**

(54) • APPARATUS AND METHOD FOR MAKING A SEALABLE CONNECTION TO A CHROMATOGRAPHY CARTRIDGE
• APPAREIL ET PROCEDE DE CONNEXION ETANCHE AVEC UNE CARTOUCHE DE CHROMATOGRAPHIE

(63) US 09/137,019 (CON) 20 Aug/août 1998 (20.08.1998)
US 08/968,287 (CON) 12 Nov/nov 1997 (12.11.1997)

(71) **DYAX CORPORATION** [US/US]; Building 600, 5th floor, One Kendall Square, Cambridge, MA 02139 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEAVESLEY, Peter, J.** [US/US]; 2448 Holkham Drive, Charlottesville, VA 22901 (US). **VAN DAVELAAR, Peter, C.** [US/US]; 1861 Wicker Woods Drive, Maidens, VA 23102 (US). **LOCKMAN, Robert, D.** [US/US]; 128 Vedette Avenue, Waynesboro, VA 22980 (US).

(74) **BOOTH, William, E.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (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).

---

(11) **WO 99/24138** (13) A1

(21) PCT/US98/23997

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,387 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 15/08, B01L 3/00, C12M 1/16, G01N 30/60, 30/00**

(54) • DEVICE AND METHODS FOR PURIFYING BIOLOGICAL MOLECULES USING LOW VOLUMES OF CHROMATOGRAPHIC AND ADSORPTIVE MEDIA
• DISPOSITIF ET TECHNIQUES PERMETTANT DE PURIFIER DES MOLECULES BIOLOGIQUES EN N'UTILISANT QUE DE FAIBLES QUANTITES DE MILIEUX CHROMATOGRAPHIQUES ET ADSORBANTS

(71) **BIOSEPRA INC.** [US/US]; 111 Locke Drive, Marlborough, MA 01752 (US).

(72) **COFFMAN, Jonathan, L.**; 2 Spinnaker Lane, Haverhill, MA 01830 (US). **WOODS, Ernest, J., III**; 9 Plumbly Road, Upton, MA 01568 (US). **LU, Tze, Hong**; Apartment 11, 20 Williamsburg Court, Shrewsbury, MA 01545 (US).

(74) **CLEMENT, Candice, J.** et al. / etc.; Heslin & Rothenberg, P.C., 5 Columbia Circle, Albany, NY 12189 (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).

---

(11) **WO 99/24139** (13) A1

(21) PCT/GB98/03326

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723588.1 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(31) 9817022.8 (32) **6 Aug/août 1998 (06.08.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 17/00, C07B 63/00, C07C 7/00, B01J 41/00**

(54) • SEPARATION PROCESS
• SEPARATION PRECESS

(71) **ISIS INNOVATION LIMITED** [GB/GB]; 2 South Parks Road, Oxford OX1 3UB (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **O'HARE, Dermot, Michael** [GB/GB]; 5 St. Cross Road, Oxford OX1 3TN (GB). **FOGG, Andrew, Michael** [GB/GB]; 12 Cranford Close, Whitefield, Manchester M45 7SL (GB).

(74) **STEVENS, Ian, Edward**; Stevens, Hewlett & Perkins, 1 St. Augustine's Place, Bristol BS1 4UD (GB).

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

---

(11) **WO 99/24140** (13) A1

(21) PCT/US98/22751

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/967,355 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 17/12**

(54) • FILTER BED DIFFERENTIAL PRESSURE MONITORING SYSTEM
• SYSTEME UTILISANT LA PRESSION DIFFERENTIELLE POUR SURVEILLER UN LIT FILTRANT

(71) **THE ROBERTS FILTER GROUP** [US/US]; 6th Street and Columbia Avenue, Darby, PA 19023 (US).

(72) **ROBERTS, R., Lee**; 106 Ridings Boulevard, Chadds Ford, PA 19317 (US). **SIMMONS, John, D.**; 4012 School Lane, Drexel Hill, PA 19026 (US).

(74) **JOHNSON, Philip, S.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (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).

---

(11) **WO 99/24141** (13) A1

(21) PCT/US98/23822

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,807 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 24/00, B31D 3/00**

(54) • MICROMACHINED MEMBRANE PARTICLE FILTER USING PARYLENE REINFORCEMENT
• FILTRE DE PARTICULES, A MEMBRANE MICRO–USINEE ET A RENFORT DE PARYLENE

(71) **CALIFORNIA INSTITUTE OF TECHNOLOGY** [US/US]; 1200 East California Boulevard, Pasadena, CA 91125 (US).

(72) **TAI, Yu–Chong**; 369 S. Grand Oaks, Pasadena, CA 91107 (US). **YANG, Xing**; California Institute of Technology, 136–93, EE Caltech, 1200 East California Boulevard, Pasadena, CA 91125 (US).

(74) **HARRIS, Scott, C.**; Fish & Richardson P.C., Suite 1400, 4225 Executive Square, La Jolla, CA 92037 (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).

---

(11) **WO 99/24142** (13) A1

(21) PCT/SE98/02017

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) sv (26) en

(31) 9704108–1 (32) **10 Nov/nov 1997 (10.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 24/46**

(54) • FILTER DEVICE AND FILTERING PROCESS
• DISPOSITIF FILTRE ET PROCEDE DE FILTRAGE

(71) **POLYPROJECT SWEDEN AB** [SE/SE]; P.O. Box 66, S–618 21 Kolmården (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LIND, Henric** [SE/SE]; Bredgatan 2, S–601 21 Norrköping (SE).

(74) **KARLSSON, Leif**; L.A. Groth & Co. KB, P.O Box 6107, S–102 32 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24143** (13) A1

(21) PCT/US98/24047

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,520 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 29/00**

(54) • COMPOSITE SCREEN
• TAMIS COMPOSITE

(71) **THERMO BLACK CLAWSON INC.** [US/US]; 605 Clark Street, P.O. Box 160, Middletown, OH 45042 (US).

(72) **WILLIAMSON, Gary, S.**; 5200 Circle Parkway, Middletown, OH 45042 (US). **EGAN, John, J., III**; 1106 Harbour Circle, Centerville, OH 45458 (US).

(74) **HENDERSON, Gilbert, N.** et al. / etc.; Biebel & French, 35 East First Street, Dayton, OH 45402 (US).

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

---

(11) **WO 99/24144** (13) A1

(21) PCT/GB98/03355

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723650.9 (32) **10 Nov/nov 1997 (10.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 33/03, 29/05**

(54) • SCREEN FOR USE IN VIBRATORY SHAKER DEVICE
• TAMIS POUR CRIBLE A SECOUSSES

(71) **ITS DRILLING SERVICES LIMITED** [GB/GB]; Unit 2, Minto Avenue Industrial Park, Minto Avenue, Altens, Aberdeen AB12 3JZ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORRIS, Ronald, George** [GB/GB]; ITS Drilling Services Limited, Unit 2, Minto Avenue Industrial Park, Minto Avenue, Altens, Aberdeen AB12 3JZ (GB). **RENNIE, Lyall** [GB/GB]; ITS Drilling Services Limited, Unit 2, Minto Avenue Industrial Park, Minto Avenue, Altens, Aberdeen AB12 3JZ (GB).

(74) **MURGITROYD & COMPANY**; 373 Scotland Street, Glasgow G5 8QA (GB).

(81) GB NO US.

Published / Publiée : *(c)*

---

(11) **WO 99/24145** (13) A1

(21) PCT/US98/19266

(22) **11 Sep/sep 1998 (11.09.1998)**

(25) en (26) en

(31) 08/965,950 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 35/00, 35/14, 35/143, 35/153**

(54) • BLOOD LINE SEPARATION WARNING DEVICE FOR EXTRACORPOREAL CIRCUITS
• DISPOSITIF D'ALERTE SIGNALANT UNE SEPARATION DU CIRCUIT DE SANG POUR CIRCUITS EXTRACORPORELS

(71) **AKSYS, LTD.** [US/US]; 2 Marriott Drive, Lincolnshire, IL 60069 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KJELLSTRAND, Carl, M.** [US/US]; 343 Park Avenue #2E, Highland Park, IL 60035 (US).

(74) **FAIRHALL, Thomas, A.**; McDonnell Boehnen Hulbert & Berghoff, Suite 3200, 300 South Wacker Drive, 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 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).

---

(11) **WO 99/24146** (13) A1

(21) PCT/DK98/00483

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) da (26) en

(31) 97/423 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 46/04**

(54) • A FILTER HAVING A CLEANING NOZZLE
• FILTRE MUNI D'UNE BUSE DE NETTOYAGE

(71) **SIMATEK A/S** [DK/DK]; Stationsvej 3, DK–4490 Jerslev S. (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JENSEN, Arne, Grønbæk** [DK/DK]; Bakkendrupvej 38, DK–4480 St. Fuglede (DK). **CHRISTENSEN, Keld** [DK/DK]; Hybenvej 19, DK–4291 Ruds Vedby (DK).

(74) **HOFMAN–BANG & BOUTARD, LEHMANN & REE A/S**; Hans Bekkevolds Allé 7, DK–2900 Hellerup (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 IS JP KE KG KP KR KZ 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24147** (13) A1

(21) PCT/CA97/00839

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 46/12, 46/22, F24F 3/16, A61L 2/10, 2/22, 2/24**

(54) • AIR FILTRATION SYSTEM
• SYSTEME DE FILTRATION D'AIR

(63) US 08/650,862 (CON) 20 May/mai 1996 (20.05.1996)

(71) **AIR–A–MEDIC CORPORATION** [CA/CA]; 75 Edenwold P1 N.W., Calgary, Alberta T3A 3T8 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DEIBERT, Ronald, H.** [CA/CA]; 1990 Cottonwood Crescent S.E., Calgary, Alberta T2B 1P7 (CA).

(74) **BERESKIN & PARR**; 40 King Street West, 40th floor, Toronto, Ontario M5H 3Y2 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24148** (13) A1

(21) PCT/JP98/05062

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9/325202 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 10/48655 (32) **13 Feb/fév 1998 (13.02.1998)** (33) JP

(31) 10/232060 (32) **18 Aug/août 1998 (18.08.1998)** (33) JP

(31) 10/232061 (32) **18 Aug/août 1998 (18.08.1998)** (33) JP

(31) 10/232062 (32) **18 Aug/août 1998 (18.08.1998)** (33) JP

(31) 10/264332 (32) **18 Sep/sep 1998 (18.09.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 53/18, 53/50, 53/78**

(54) • A WET GAS PROCESSING METHOD AND THE APPARATUS USING THE SAME
• TECHNIQUE DE TRAITEMENT DE GAZ HUMIDE ET APPAREIL METTANT EN OEUVRE CETTE TECHNIQUE

(71) **MITSUBISHI HEAVY INDUSTRIES, LTD.** [JP/JP]; 5–1, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8315 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKASHINA, Toru** [JP/JP]; Hiroshima Research & Development Center, Mitsubishi Heavy Industries, Ltd., 6–22, Kan–on–shin–machi 4–chome, Nishi–ku, Hiroshima–shi, Hiroshima 733–8553 (JP). **KAMIYAMA, Naoyuki** [JP/JP]; Hiroshima Research & Development Center, Mitsubishi Heavy Industries, Ltd., 6–22, Kan–on–shin–machi 4–chome, Nishi–ku, Hiroshima–shi, Hiroshima 733–8553 (JP). **SHINODA, Takeo** [JP/JP]; Mitsubishi Heavy Industries, Ltd., 5–1, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8351 (JP). **NAGAYASU, Hiromitsu** [JP/JP]; Mitsubishi Heavy Industries, Ltd., 5–1, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8351 (JP). **OKINO, Susumu** [JP/JP]; Hiroshima Research & Development Center, Mitsubishi Heavy Industries, Ltd., 6–22, Kan–on–shin–machi 4–chome, Nishi–ku, Hiroshima–shi, Hiroshima 733–8553 (JP). **ONIZUKA, Masakazu** [JP/JP]; Hiroshima Research & Development Center, Mitsubishi Heavy Industries, Ltd., 6–22, Kan–on–shin–machi 4–chome, Nishi–ku, Hiroshima–shi, Hiroshima 733–8553 (JP). **IWASHITA, Koichiro** [JP/JP]; Mitsubishi Heavy Industries, Ltd., 5–1, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8351 (JP). **NAKAMURA, Satoshi** [JP/JP]; Mitsubishi Heavy Industries, Ltd., 5–1, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8351 (JP). **INOUE, Kenji** [JP/JP]; Hiroshima Research & Development Center, Mitsubishi Heavy Industries, Ltd., 6–22, Kan–on–shin–machi 4–chome, Nishi–ku, Hiroshima–shi, Hiroshima 733–8553 (JP).

(74) **TAKAHASHI, Masahisa**; Ambassador Roppongi Buildings, Room 1003, 16–13, Roppongi 3–chome, Minato–ku, Tokyo 106–0032 (JP).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24149** (13) A1

(21) PCT/GB98/03216

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 9723745.7 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 53/32, F01N 3/08, B01J 19/08**

(54) • PLASMA DISCHARGE GAS PROCESSING REACTORS
• REACTEURS DE TRAITEMENT DE GAZ PAR DECHARGE DE PLASMA

(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) **WEEKS, David, Michael** [GB/GB]; 60 Blandy Avenue, Southmoor, Abingdon, Oxfordshire OX13 5DB (GB). **HALL, Stephen, Ivor** [GB/GB]; 9 Blenheim Lane, Freeland, Oxford, Oxfordshire OX8 8AW (GB).

(74) **WOOD, Paul, Austin**; AEA Technology plc, Patents Dept., 329 Harwell, Didcot, Oxfordshire OX11 0RA (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24150** (13) A1

(21) PCT/DE98/03335

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) de (26) de

(31) 197 50 138.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 53/56, 53/86, 53/94, F01N 3/20**

(54) • DEVICE FOR SUPPLYING A REDUCTION AGENT INTO AN EXHAUST–GAS PURIFICATION SYSTEM
• DISPOSITIF PERMETTANT D'APPORTER UN AGENT DE REDUCTION DANS UNE INSTALLATION D'EPURATION DES GAZ D'ECHAPPEMENT

(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) **HOFMANN, Lothar** [DE/DE]; Klosterstrasse 48, D–96264 Altenkunstadt (DE). **MATHES, Wieland** [DE/DE]; Haydnweg 4, D–96247 Michelau (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24151** (13) A1

(21) PCT/JP98/04997

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/321975 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 53/78**

(54) • METHOD FOR PREVENTING SCALING IN WET–PROCESS WASTE GAS TREATMENT EQUIPMENT
• PROCEDE POUR EMPECHER L'ENTARTRAGE DANS UNE INSTALLATION DE TRAITEMENT DE GAZ RESIDUAIRE PAR VOIE HUMIDE

(71) **EBARA CORPORATION** [JP/JP]; 11–1, Haneda Asachi–cho, Ohta–ku, Tokyo 144–8510 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KYOTANI, Takashi** [JP/JP]; 85–1–101, Sachigaoka, Asahi–ku, Yokohama–shi, Kanagawa 241–0822 (JP).

(74) **SHAMOTO, Ichio** et al. / etc.; Yuasa and Hara, Section 206, New Ohtemachi Building, 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP).

(81) JP KR US; EP (DE FR GB).

---

(11) **WO 99/24152** (13) A1

(21) PCT/DE98/03152

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 49 607.5 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 53/94, 53/86, B01J 35/00, F01N 3/20**

(54) • PROCESS AND DEVICE FOR REDUCING THE NUMBER OF PARTICLES IN COMBUSTION GAS
• PROCEDE ET DISPOSITIF PERMETTANT DE REDUIRE LE NOMBRE DE PARTICULES CONTENUES DANS UN GAZ D'ECHAPPEMENT

(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) **NEUFERT, Ronald** [DE/DE]; Alfred–Schefczik–Strasse 3, D–96247 Michelau (DE). **WITZEL, Frank** [DE/DE]; Konrad–Adenauer–Strasse 16, D–96215 Lichtenfels (DE). **FISCHER, Stefan** [DE/DE]; Schlesier Strasse 30, D–96215 Lichtenfels (DE). **PAJONK, Günther** [DE/DE]; Hellerwiese 7, D–96199 Zapfendorf (DE).

(74) **SIEMENS AG**; 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24153** (13) A1

(21) PCT/FR98/02392

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) fr (26) fr

(31) 97/14083 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 53/94, B01J 23/34, 23/10**

(54) • SUPPORT COMPOSITION BASED ON A CERIUM OXIDE, A ZIRCONIUM OXIDE AND A SCANDIUM OR RARE EARTH OXIDE AND USE FOR TREATING EXHAUST GAS
• COMPOSITION A SUPPORT A BASE D'UN OXYDE DE CERIUM, D'UN OXYDE DE ZIRCONIUM ET D'UN OXYDE DE SCANDIUM OU DE TERRE RARE ET UTILISATION POUR LE TRAITEMENT DES GAZ D'ECHAPPEMENT

(71) **RHODIA CHIMIE** [FR/FR]; 25, quai Paul Doumer, F–92408 Courbevoie (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEDOUIN, Catherine** [FR/FR]; 1, rue des Jacinthes, F–60270 Gouvieux (FR). **SEGUELONG, Thierry** [FR/FR]; 8, rue Rouget de l'Isle, F–92800 Puteaux (FR).

(74) **DUBRUC, Philippe**; Rhodia Services, 25, quai Paul Doumer, F–92408 Courbevoie (FR).

(81) AU BR CA CN JP KR MX NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24154** (13) A1

(21) PCT/JP98/05001

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/305610 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01D 63/10, 61/12, 61/22, C02F 1/44**

(54) • METHOD OF OPERATING SPIRAL TYPE MEMBRANE MODULE
• PROCEDE DE FONCTIONNEMENT D'UN MODULE A MEMBRANE DE TYPE SPIRALE

(71) **KURITA WATER INDUSTRIES LTD.** [JP/JP]; 4–7, Nishishinjuku 3–chome, Shinjuku–ku, Tokyo 160–8383 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **UEMURA, Keiji** [JP/JP]; Kurita Water Industries Ltd., 4–7, Nishishinjuku 3–chome, Shinjuku–ku, Tokyo 160–8383 (JP). **SHIGEMI, Hirotake** [JP/JP]; Kurita Water Industries Ltd., 4–7, Nishishinjuku 3–chome, Shinjuku–ku, Tokyo 160–8383 (JP).

(74) **SHIGENO, Tsuyoshi**; Nissin Building, 9th floor, 5–10, Shinjuku 2–chome, Shinjuku–ku, Tokyo 160–0022 (JP).

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

---

(11) **WO 99/24155** (13) A2

(21) PCT/EP98/06391

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/962,180 (32) **31 Oct/oct 1997 (31.10.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01F**

(54) • BATCH MIXING CONTROL METHOD AND APPARATUS
• PROCEDE DE REGULATION DU MALAXAGE PAR LOTS ET APPAREIL CORRESPONDANT

(71) **KÜSTERS PROZESSTECHNIK GMBH** [DE/DE]; Gladbacher Strasse 457, D–47805 Krefeld (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WHALEY, Alvin, W.** [US/US]; 2286 Dawnville–Beaverdale Road, N.E., Dalton, GA 30720 (US).

(74) **PALGEN, Peter** et al. / etc.; Mulvanystrasse 2, D–40239 Düsseldorf (DE).

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

---

(11) **WO 99/24156** (13) A1

(21) PCT/DE98/03190

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 49 020.4 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(31) 198 27 613.3 (32) **20 Jun/juin 1998 (20.06.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01F 3/04**

(54) • PROCESS AND DEVICES FOR ENRICHING A LIQUID WITH A GAS, PREFERABLY FOR ENRICHING WATER WITH OXYGEN
• PROCEDE ET DISPOSITIFS SERVANT A ENRICHIR UN LIQUIDE EN GAZ, DE PREFERENCE, A ENRICHIR DE L'EAU EN OXYGENE

(71) **KKB O2 FLUID PRODUCTION GMBH** [DE/DE]; Sachsenfeld 2, D–20097 Hamburg (DE).

(72) **KURZER, Fritz**; Steinbeckweg 6, D–27711 Osterholz–Scharmbeck (DE). **KURZER, Frank**; Steinbeckweg 6, D–27711 Osterholz–Scharmbeck (DE).

(74) **JABBUSCH, Wolfgang**; Koppelstrasse 3, D–26135 Oldenburg (DE) et al. / etc.

(81) AU BR CA CN JP NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/24157** (13) A1

(21) PCT/FR98/02297

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) fr (26) fr

(31) 97/14034 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01F 17/00**

(54) • FLUID CONCENTRATED HYDROALCOHOLIC COMPOSITIONS OF COPRA OR OIL PALM ALKYL–AMIDOPROPYLBETAINS
• COMPOSITIONS HYDROALCOOLIQUES CONCENTREES FLUIDES D'ALKYL–AMIDOPROPYLBETAÎNES DE COPRAH OU DE PALMISTE

(71) **CECA S.A.** [FR/FR]; 4/8, cours Michelet, F–92800 Puteaux (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DE MESANSTOURNE, Régine** [FR/FR]; 42, rue de la Muette, F–78600 Maisons–Lafitte (FR). **FOUQUAY, Stéphane** [FR/FR]; 7, parc de la Saâne, F–76130 Mont–Saint–Aignan (FR). **GAMET, Jean–Paul** [FR/FR]; 24, ancienne Route Nationale, F–62690 Savy–Berlette (FR). **GUILLEMET, François** [FR/FR]; 22, rue des quatre fils, F–75003 Paris (FR).

(74) **HAÏCOUR, Philippe**; Elf Atochem S.A., Dépt. Propriété Industrielle, Cours Michelet – La Défense 10, F–92091 Paris La Défense Cedex (FR).

(81) AL AU BA BB BG BR CA CN CU CZ EE 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 US 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 GW ML MR NE SN TD TG).

---

(11) **WO 99/24158** (13) A1

(21) PCT/US98/23730

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,052 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01J 13/00, C08K 3/36, C22B 1/244**

(54) • BINDER FORMULATION USED IN FORMING MINERAL PELLETS
• FORMULATION DE LIANT UTILISEE DANS LA FABRICATION DE BOULETTES MINERALES

(71, 72) **PIRTLE, James** [US/US]; 152 Brookville Road, Muttontown, Glen Head, NY 11545 (US). **NIGRO, John, C.** [US/US]; 11041 France Avenue South, Bloomington, MN 55431 (US).

(74) **ONOFRIO, Dara, L.**; Ostrager Chong Flaherty & Onofrio, 300 Park Avenue, New York, NY 10022 (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).

---

(11) **WO 99/24159** (13) A1

(21) PCT/GB98/03345

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 97308991.5 (32) **10 Nov/nov 1997 (10.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01J 13/08, A61K 7/16, 7/00, A23L 1/22, 1/27**

(54) • ENCAPSULATE OF ACTIVE MATERIAL IN ALGINATE MATRIX
• ENCAPSULAT D'UN MATERIAU ACTIF DANS UNE MATRICE D'ALGINATE

(71) **QUEST INTERNATIONAL B.V.** [NL/NL]; Huizerstraatweg 28, NL–1411 GP Naarden (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NESS, Jeremy, Nicholas** [GB/GB]; 25 High Snoad Wood, Challock, Ashford, Kent TN25 4DQ (GB). **GOODALL, Marcus, James** [GB/GB]; 2 Meadow Cottages, Nackington Road, Canterbury, Kent CT4 7AB (GB). **MOYSEN, Ruth, Constance** [GB/GB]; 53 Paddock Way, Oxted, Surrey RH8 0LG (GB).

(74) **HUMPHRIES, Martyn** et al. / etc.; ICI Group Intellectual Property, P.O. Box 90, Wilton, Middlesbrough, Cleveland TS90 8JE (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24160** (13) A1

(21) PCT/CH98/00477

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 2577/97 (32) **8 Nov/nov 1997 (08.11.1997)** (33) CH

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01J 19/00, F16L 39/02, B01L 3/00, 9/06, 7/00, B01F 11/00**

(54) • DEVICE FOR HOLDING REACTION VESSELS WHICH CAN BE THERMALLY ADJUSTED AND AGITATED
• DISPOSITIF POUR LA FIXATION DE RECIPIENTS REACTIONNELS COMPORTANT DES MOYENS THERMOSTATIQUES ET D'AGITATION

(71) **CHEMSPEED, LTD.** [CH/CH]; Rheinstrasse 32, CH–4302 Augst (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GÜLLER, Rolf** [CH/CH]; Sonnenhaldenstrasse 27, CH–5027 Herznach (CH). **MUNCH, Seraphin** [FR/FR]; 10, petit chemin de Sausheim, F–68170 Rixheim (FR). **JABLONSKI, Philippe** [FR/FR]; 4, rue du Paradis, F–68300 Saint Louis (FR). **TSCHIRKY, Hansjörg** [CH/CH]; Kuntmattring 15, CH–4107 Ettingen (CH).

(74) **A. BRAUN BRAUN HERITIER ESCHMANN AG**; Holbeinstrasse 36–38, CH–4051 Basel (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24161** (13) A1

(21) PCT/EP98/07168

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 859.0 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01J 19/00, 4/00**

(54) • DEVICE FOR FEEDING A FLUID INTO A CONTAINER
• DISPOSITIF POUR INTRODUIRE UN FLUIDE DANS UN CONTENANT

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRIED, Michael** [DE/DE]; Handschuhsheimer Landstrasse 64, D–69121 Heidelberg (DE). **NESTLER, Gerhard** [AT/DE]; Mundenheimer Strasse 170, D–67061 Ludwigshafen (DE).

(74) **ISENBRUCK, Günter**; Bardehle et al., Theodor–Heuss–Anlage 12, D–68165 Mannheim (DE).

(81) AL AU BG BR BY CA CN CZ GE HU ID IL JP KR KZ LT LV MX NO NZ PL RO RU SG SI 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24162** (13) A1

(21) PCT/EP98/07101

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 50 785.9 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01J 23/46, 23/56, C07C 17/23, 19/08**

(54) • CATALYST AND METHOD FOR HYDROGENATED DEPLETION OF CFC AND HALONS FROM GAS PHASES

- CATALYSEUR ET PROCEDE D'APPAUVRISSEMENT HYDROGENANT DE CFC ET D'HALONS CONTENUS DANS DES PHASES GAZEUSES

(71) **GESELLSCHAFT ZUR BESEITIGUNG VON UMWELTSCHÄDEN MBH** [DE/DE]; Gartenstrasse 49, D–04936 Schlieben (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FREIBERG, Jürgen** [DE/DE]; Neustrelitzer Strasse 30, D–13055 Berlin (DE). **ZEHL, Gerald** [DE/DE]; Beermannstrasse 8/2 OG, D–12435 Berlin (DE). **MEINKE, Martina** [DE/DE]; Soldiner Strasse 60, D–13359 Berlin (DE). **LÜCKE, Bernhard** [DE/DE]; Heinrich–Heine–Strasse 11, D–10179 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24163** (13) A1

(21) PCT/EP98/07102

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 50 789.1 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01J 23/56, 23/44, C07C 19/08, 17/23**

(54)
- SUPPORTED CATALYST AND METHOD FOR PRODUCING FLUOROCARBONS
- CATALYSEUR A SUPPORT ET PROCEDE PERMETTANT DE PRODUIRE DES HYDROFLUOROCARBURES

(71) **GESELLSCHAFT ZUR BESEITIGUNG VON UMWELTSCHÄDEN MBH** [DE/DE]; Gartenstrasse 49, D–04936 Schlieben (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FREIBERG, Jürgen** [DE/DE]; Neustrelitzer Strasse 30, D–13055 Berlin (DE). **ZEHL, Gerald** [DE/DE]; Beermannstrasse 8/2 OG, D–12435 Berlin (DE). **MEINKE, Martina** [DE/DE]; Soldiner Strasse 60, D–13359 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24164** (13) A1

(21) PCT/EP98/07003

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) en (26) en

(31) 9723786.1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01J 29/06, 37/00, 29/89, C07D 301/12, B01J 35/08**

(54)
- PROCESS FOR PRODUCING SPHERICAL CATALYST PARTICLES, CATALYST PARTICLES AND THEIR USE IN A CHEMICAL SYNTHESIS
- PRODUCTION DE PARTICULES SPHERIQUES DE CATALYSEUR, DE PARTICULES DE CATALYSEUR ET LEUR UTILISATION EN SYNTHESE CHIMIQUE

(71) **SOLVAY (SOCIETE ANONYME)** [BE/BE]; Rue du Prince Albert 33, B–1050 Bruxelles (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STREBELLE, Michel** [BE/BE]; Rue Sombre 84, B–1150 Bruxelles (BE). **DERLETH, Helmut** [DE/DE]; Grosse Drakenburgerstrasse 58, D–31582 Nienburg (DE). **BRETZ, Karl–Heinz** [DE/DE]; Berliner Ring 202, D–31582 Nienburg (DE).

(74) **VANDE GUCHT, Anne** et al. / etc.; SOLVAY (Société Anonyme), Rue de Ransbeek 310, B–1120 Bruxelles (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24165** (13) A1

(21) PCT/JP98/05098

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) ja (26) ja

(31) 9/310235 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(31) 10/178293 (32) **25 Jun/juin 1998 (25.06.1998)** (33) JP

(31) 10/255447 (32) **9 Sep/sep 1998 (09.09.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01J 35/04, 23/28, 23/30, B01D 53/87**

(54)
- EXHAUST EMISSION CONTROL CATALYST ELEMENT, CATALYST STRUCTURE, PRODUCTION METHOD THEREOF, EXHAUST EMISSION CONTROL APPARATUS AND EXHAUST EMISSION CONTROL METHOD USING THE APPARATUS
- ELEMENT DE CATALYSEUR LIMITANT L'EMISSION DES GAZ D'ECHAPPEMENT, STRUCTURE DE CATALYSEUR, PROCEDE DE PRODUCTION CORRESPONDANT, DISPOSITIF LIMITANT L'EMISSION DES GAZ D'ECHAPPEMENT ET PROCEDE CORRESPONDANT UTILISANT CE DISPOSITIF

(71) **BABCOCK–HITACHI KABUSHIKI KAISHA** [JP/JP]; 4–1, Hamamatsucho 2–chome, Minato–ku, Tokyo 105–6170 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KATO, Yasuyoshi** [JP/JP]; Kure Research Laboratory of Babcock–Hitachi Kabushiki Kaisha, 3–36, Takaramachi, Kure–shi, Hiroshima 737–0029 (JP). **NAGAI, Yoshinori** [JP/JP]; Kure Works of Babcock–Hitachi Kabushiki Kaisha, 6–9, Takaramachi, Kure–shi, Hiroshima 737–0029 (JP). **YOKOYAMA, Kouichi** [JP/JP]; Kure Research Laboratory of Babcock–Hitachi Kabushiki Kaisha, 3–36, Takaramachi, Kure–shi, Hiroshima 737–0029 (JP). **YOSHIDA, Naomi** [JP/JP]; Kure Research Laboratory of Babcock–Hitachi Kabushiki Kaisha, 3–36, Takaramachi, Kure–shi, Hiroshima 737–0029 (JP). **MICHIMOTO, Takashi** [JP/JP]; Akitsu Works of Babcock–Hitachi Kabushiki Kaisha, 3300, Kazahaya, Akitsu–cho, Toyota–gun, Hiroshima 729–2403 (JP). **MIYAMOTO, Eiji** [JP/JP]; Kure Research Laboratory of Babcock–Hitachi Kabushiki Kaisha, 3–36, Takaramachi, Kure–shi, Hiroshima 737–0029 (JP). **FUJISAWA, Masatoshi** [JP/JP]; Kure Research Laboratory of Babcock–Hitachi Kabushiki Kaisha, 3–36, Takaramachi, Kure–shi, Hiroshima 737–0029 (JP).

(74) **KAWAKITA, Takenaga**; Sowa Building, 3–6, Nihonbashi–kayabacho 2–chome, Chuo–ku, Tokyo 103–0025 (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).

---

(11) **WO 99/24166** (13) A1

(21) PCT/EP98/07061

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 48 749.1 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B01L 3/14 // B65D 47/08, 51/16**

(54)
- SEAL FOR A CONTAINER, WITH MEANS FOR PREVENTING A DISCHARGE OF THE CONTENTS WHEN THE CONTAINER IS OPENED
- SYSTEME DE FERMETURE POUR RECIPIENT, MUNI D'ELEMENTS PERMETTANT D'EVITER TOUT RISQUE DE DEVERSEMENT AU MOMENT DE L'OUVERTURE

(71) **ROCHE DIAGNOSTICS GMBH** [DE/DE]; Sandhofer Strasse 116, D–68305 Mannheim (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRITZ, Michael** [DE/DE]; Gross–Rohrheimer–Strasse 19, D–68647 Biblis (DE). **GERSTLE, Volker** [DE/DE]; Zedernstrasse 21, D–64653 Lorsch (DE). **HARTTIG, Herbert** [DE/DE]; Feuerbachstrasse 11, D–67122 Altrip (DE). **SCHWAB, Jürgen** [DE/DE]; Enderlestrasse 37, D–68775 Ketsch (DE).

(74) **ROCHE DIAGNOSTICS GMBH**; Patentabteilung, Sandhofer Strasse 116, D–68305 Mannheim (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)*

---

(11) **WO 99/24167** (13) A1

(21) PCT/US98/23403

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/966,174 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B02C 18/16**

(54)
- PRODUCING LOOSE FIBER INSULATING MATERIAL
- PRODUCTION DE MATERIAU ISOLANT A BASE DE FIBRES EN VRAC

(63) US 08/966,174 (CIP) 7 Nov/nov 1997 (07.11.1997)

(71) **OWENS CORNING** [US/US]; One Owens Corning Parkway, Toledo, OH 43659 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EVANS, Michael, E.** [US/US]; 1655 River Road, Granville, OH 43023 (US). **HASSELBACH, John** [US/US]; 110 Bedwen Bach Lane, Granville, OH 43023 (US). **GEISE, Anthony, T.** [US/US]; 843 Nutmeg Lane, Findlay, OH 45840 (US).

(74) **BARNS, Stephen, W.** et al. / etc.; Owens Corning Science & Technology Center, Building 54–1, 2790 Columbus Road, Granville, OH 43023–1200 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24168** (13) A1

(21) PCT/EP98/07044

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 039.5 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(31) 198 21 473.1 (32) **13 May/mai 1998 (13.05.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B03B 9/06, B29B 17/02**

(54) • METHOD AND DEVICE FOR EXTRACTING VALUABLE SUBSTANCES FROM USED HYGIENE PRODUCTS
• PROCEDE ET DISPOSITIF DE RECUPERATION DE MATIERES UTILES A PARTIR DE PRODUITS D'HYGIENE USAGES

(71, 72) **LÖBBERT, Johannes** [DE/DE]; Industriestrasse 1, D–48301 Nottuln (DE).

(74) **HOFFMEISTER, Helmut**; Goldstrasse 36, D–48147 Münster (DE).

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

---

(11) **WO 99/24169** (13) A1

(21) PCT/US98/23636

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,961 (32) **8 Nov/nov 1997 (08.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B03D 1/02, 1/14, 1/16**

(54) • FLOTATION SYSTEM
• SYSTEME DE FLOTTAISON

(71) **CLEVELAND–CLIFFS, INC.** [US/US]; Diamond Building, 18th floor, 1100 Superior Avenue East, Cleveland, OH 44114 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAANANEN, Allan, D.** [US/US]; 1550 South Westwood Circle, Ishpeming, MI 49849 (US).

(74) **SERBINOWSKI, Paul, A.**; Watts, Hoffmann, Fisher & Heinke Co., L.P.A., P.O. Box 99839, Cleveland, OH 44199–0839 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24170** (13) A1

(21) PCT/EP98/06711

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) de (26) de

(31) 197 49 514.1 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(31) 197 49 513.3 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(31) 198 37 127.6 (32) **17 Aug/août 1998 (17.08.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B05B 11/00**

(54) • DISPENSER FOR SEVERAL MEDIA MIXED BEFORE DISCHARGE
• DISTRIBUTEUR POUR PLUSIEURS MILIEUX MELANGES AVANT DECHARGE

(71) **ING. ERICH PFEIFFER GMBH** [DE/DE]; Öschlestrasse 124–126, D–78315 Radolfzell (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RITSCHE, Stefan** [DE/DE]; Arsenius–Pfaff–Strasse 1, D–78315 Radolfzell (DE). **STADELHOFER, Peter** [DE/DE]; Hauptstrasse 40, D–78224 Singen (DE). **MERK, Hans** [DE/DE]; Erbringstrasse 43, D–78343 Gaienhofen (DE).

(74) **RUFF, BEIER, SCHÖNDORF UND MÜTSCHELE**; Willy–Brandt–Strasse 28, D–70173 Stuttgart (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24171** (13) A2

(21) PCT/EP98/06712

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) de (26) de

(31) 197 49 513.3 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(31) 197 49 514.1 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(31) 198 37 127.6 (32) **17 Aug/août 1998 (17.08.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B05B 11/00**

(54) • APPLICATION METHOD FOR AT LEAST TWO DIFFERENT MEDIA AND DISPENSER THEREFOR
• PROCEDE PERMETTANT DE DISTRIBUER AU MOINS DEUX PRODUITS DIFFERENTS ET DISTRIBUTEUR A CET EFFET

(71) **ING. ERICH PFEIFFER GMBH** [DE/DE]; Öschlestrasse 124–126, D–78315 Radolfzell (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RITSCHE, Stefan** [DE/DE]; Arsenius–Pfaff–Strasse 1, D–78315 Radolfzell (DE). **FUCHS, Karl–Heinz** [DE/DE]; Am Graben 67, D–78315 Radolfzell (DE).

(74) **RUFF, BEIER, SCHÖNDORF, MÜTSCHELE**; Willy–Brandt–Strasse 28, D–70173 Stuttgart (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24172** (13) A1

(21) PCT/JP98/05053

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/327112 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B05B 15/02, B05D 1/02**

(54) • AUTOMATIC COATING METHOD AND APPARATUS
• APPAREIL ET PROCEDE D'APPLICATION DE REVETEMENT AUTOMATIQUE

(71) **ABB K.K.** [JP/JP]; 2–39, Akasaka 5–chome, Minato–ku, Tokyo 107–0052 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YOSHIDA, Osamu** [JP/JP]; ABB K.K., 2–39, Akasaka 5–chome, Minato–ku, Tokyo 107–0052 (JP). **MATSUDA, Hidetsugu** [JP/JP]; ABB K.K., 2–39, Akasaka 5–chome, Minato–ku, Tokyo 107–0052 (JP).

(74) **HIROSE, Kazuhiko**; Ohkura Building, 4th floor, 1–2, Nishishinjuku 3–chome, Shinjuku–ku, Tokyo 160–0023 (JP).

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

Published / Publiée : *(b)*

---

(11) **WO 99/24173** (13) A1

(21) PCT/US98/22103

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 08/965,469 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B05B 17/04, B22F 9/14, B29B 9/00**

(54) • A METHOD AND APPARATUS FOR PRODUCING NANOPARTICLES AT A HIGH RATE
• PROCEDE ET APPAREIL DE PRODUCTION DE NANOPARTICULES A VITESSE ELEVEE

(71) **UNITED STATES ENRICHMENT CORPORATION** [US/US]; 6903 Rockledge Drive, Bethesda, MD 20817 (US).

(72) **BROWN, Donald, Lee**; 1151 Farmington Way, Livermore, CA 94550 (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) AL AM AT AU AZ 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).

---

(11) **WO 99/24174** (13) A1

(21) PCT/US98/23995

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/064,794 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B05D 5/00, A61L 27/00, 29/00, 31/00, 33/00**

(54) • METHOD FOR MODIFYING THE SURFACE OF AN OBJECT
• PROCEDE PERMETTANT DE MODIFIER LA SURFACE D'UN OBJET

(71, 72) **KATOOT, Mohammad, W.** [US/US]; 1080 Laurian Park Drive, Roswell, GA 30075 (US).

(74) **WITHERS, James, D.** et al. / etc.; Jones & Askew, LLP, 37th floor, 191 Peachtree Street, N.E., Atlanta, GA 30303 (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 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 : *(c)*

---

(11) **WO 99/24175** (13) A1

(21) PCT/FR98/02372

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/14049 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B06B 1/06**

(54) • METHOD FOR MAKING A SONOPROBE
• PROCEDE DE FABRICATION D'UNE SONDE ACOUSTIQUE

(71) **THOMSON–CSF** [FR/FR]; 173, boulevard Haussmann, F–75008 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BUREAU, Jean–Marc** [FR/FR]; Thomson–CSF Propriété Intellectuelle, Dépt. Protection et Conseil, 13, avenue du Président Salvador Allende, F–94117 Arcueil Cedex (FR). **BERNARD, François** [FR/FR]; Thomson–CSF Propriété Intellectuelle, Dépt. Protection et Conseil, 13, avenue du Président Salvador Allende, F–94117 Arcueil Cedex (FR).

(74) **THOMSON–CSF PROPRIETE INTELLECTUELLE**; Dépt. Protection et Conseil, 13, avenue du Président Salvador Allende, F–94117 Arcueil Cedex (FR).

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

---

(11) **WO 99/24176** (13) A1

(21) PCT/US98/22622

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) en (26) en

(31) 08/967,162 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B08B 1/04, H01L 21/00**

(54) • WORKPIECE CLEANING ELEMENT WITH IMPROVED RIB CONFIGURATION
• ELEMENT DE NETTOYAGE DE PIECE A USINER A CONFIGURATION NERVUREE AMELIOREE

(71) **SPEEDFAM CORPORATION** [US/US]; 305 N. 54th Street, Chandler, AZ 85226 (US).

(72) **SHURTLIFF, Eric**; 16002 South 4th Street, Phoenix, AZ 85048 (US). **WADDLE, Thomas**; 15859 S. 30th Place, Phoenix, AZ 85048 (US).

(74) **TAKAHASHI, Mark, M.** et al. / etc.; Snell & Wilmer, One Arizona Center, 400 East Van Buren Street, Phoenix, AZ 85004–0001 (US).

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

---

(11) **WO 99/24177** (13) A1

(21) PCT/CA98/01021

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,288 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B08B 7/00**

(54) • METHOD AND APPARATUS FOR CLEANING MOLDS USED IN THE GLASS FABRICATION INDUSTRY
• PROCEDE ET APPAREIL DE NETTOYAGE DES MOULES UTILISES DANS L'INDUSTRIE DE LA FABRICATION DU VERRE

(71) **ABLATION TECHNOLOGIES INC.** [CA/CA]; Commerce Place, Suite 1100, One King Street West, Hamilton, Ontario L8N 4B7 (CA).

(72) **MARTIN, Terry, W.**; 1062 Pinegrove Road, Oakville, Ontario L6L 2W4 (CA). **MAULE, Alex**; 675 Inverary Road, Burlington, Ontario L7L 2L8 (CA).

(74) **DELBRIDGE, Robert** et al. / etc.; Rogers & Scott, 214 Randall Street, Oakville, Ontario L6J 1P7 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24178** (13) A1

(21) PCT/GB98/03342

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723619.4 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B08B 7/00, 1/02**

(54) • APPARATUS FOR CLEANING SURFACES WITH A CLEANING ROLLER ASSEMBLY
• APPAREIL DE NETTOYAGE DE SURFACES AVEC ENSEMBLE A ROULEAUX DE NETTOYAGE

(71) **TEKNEK ELECTRONICS LIMITED** [GB/GB]; Quarriers Village, Bridge of Weir, Renfrewshire PA11 3SA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAMILTON, Sheila** [GB/GB]; Nether Knockbuckle, Hazlemere Road, Kilmacolm, Renfrewshire (GB). **KENNETT, Charles, Jonathan** [GB/GB]; Elliston House, Howwood, Refrewshire PA9 1DH (GB).

(74) **PACITTI, Paolo**; 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24179** (13) A1

(21) PCT/AU98/00903

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) PP 0331 (32) **11 Nov/nov 1997 (11.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B08B 9/02, 9/04, F16L 101/12**

(54) • AUTOMATIC PNEUMATIC PROJECTILE LAUNCHER
• LANCEUR DE PROJECTILES PNEUMATIQUE AUTOMATIQUE

(71) **COMPRI TECHNIC PTY. LTD.** [AU/AU]; 160 Beechboro Road, Bayswater, W.A. 6053 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72) **HAUG, Thomas, J.** (deceased / décédé).

(72, 75) **BEAN, Aaron, Doyle** [US/US]; 840 W. Birchwood, Morton, IL 61550–9612 (US).

(74) **VAN WOLLINGEN, Rolf**; Griffith Hack, 256 Adelaide Terrace, Perth, W.A. 6000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/24180** (13) A1

(21) PCT/DE98/03275

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 614.8 (32) **10 Nov/nov 1997** (33) DE **(10.11.1997)**

(31) 198 50 492.6 (32) **2 Nov/nov 1998** (33) DE **(02.11.1998)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21B 1/26, 37/00, 37/28**

(54) • METHOD AND ASSEMBLY FOR HOT–ROLLING THIN STRIPS OF STEEL
• PROCEDE ET INSTALLATION DE LAMINAGE A CHAUD DE MINCES BANDES D'ACIER

(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) **KIRICZI, Sven** [DE/DE]; Berliner Platz 4, D–91052 Erlangen (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) CA ID 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)*

---

(11) **WO 99/24181** (13) A1

(21) PCT/DE98/03132

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) de (26) de

(31) 197 49 423.4 (32) **7 Nov/nov 1997** (33) DE **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21B 15/00, B23D 36/00, B21B 37/48**

(54) • CONTINUOUS CUTTING PROCESS AND DEVICE FOR HOT–ROLLING
• PROCEDE ET DISPOSITIF DE DECOUPE EN CONTINU DURANT LE LAMINAGE A CHAUD

(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) **DRAGOSICS, Walter** [AT/AT]; Amelienweg 10 a, A–1220 Wien (AT). **WOHLD, Dietrich** [DE/DE]; Hintere Dorfstrasse 3, D–91462 Rauschenberg (DE).

(74) **SIEMENS AG**; Postfach 22 16 34, D–80506 München (DE).

(81) AT CN DE KR US.

Published / Publiée : *(c)*

---

(11) **WO 99/24182** (13) A1

(21) PCT/DE98/03142

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) de (26) de

(31) 197 49 460.9 (32) **10 Nov/nov 1997** (33) DE **(10.11.1997)**

(31) 198 06 267.2 (32) **16 Feb/fév 1998** (33) DE **(16.02.1998)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21B 37/00, G05B 13/02**

(54) • PROCESS AND DEVICE FOR CONTROLLING A METALLURGICAL PLANT
• PROCEDE ET DISPOSITIF PERMETTANT DE COMMANDER UNE INSTALLATION METALLURGIQUE

(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) **DÖLL, Rüdiger** [DE/DE]; Kantstrasse 8, D–90409 Nürnberg (DE). **GRAMCKOW, Otto** [DE/DE]; Hofmannstrasse 103, D–91052 Erlangen (DE). **SÖRGEL, Günter** [DE/DE]; Zaunkönigweg 8, D–90455 Nürnberg (DE).

(74) **SIEMENS AG**; Postfach 22 16 34, D–80506 München (DE).

(81) AT CN DE KR US.

Published / Publiée : *(c)*

---

(11) **WO 99/24183** (13) A1

(21) PCT/DE98/03131

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) de (26) de

(31) 197 49 424.2 (32) **7 Nov/nov 1997** (33) DE **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21B 37/26**

(54) • PROCESS AND DEVICE FOR ROLLING A ROLLED STRIP WITH A VARIABLE THICKNESS
• PROCEDE ET DISPOSITIF PERMETTANT DE LAMINER UNE BANDE D'EPAISSEUR VARIABLE

(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) **TAUTZ, Wilfried** [DE/DE]; Rotkreuzstrasse 28 c, D–91301 Forchheim (DE). **JONSCHER, Ralph** [DE/DE]; Falkenstrasse 22, D–91056 Erlangen (DE).

(74) **SIEMENS AG**; Postfach 22 16 34, D–80506 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24184** (13) A1

(21) PCT/DE98/03247

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 422.6 (32) **7 Nov/nov 1997** (33) DE **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21B 37/50, 37/52, 37/58**

(54) • PROCESS AND DEVICE FOR ROLLING A METAL STRIP
• PROCEDE ET DISPOSITIF SERVANT A LAMINER UNE BANDE DE METAL

(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) **STEIDL, Siegbert** [DE/DE]; Schützengraben 16 d, D–91074 Herzogenaurach (DE). **WOHLD, Dietrich** [DE/DE]; Hintere Dorfstrasse 3, D–91462 Rauschenberg (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) AT CN DE KR US.

Published / Publiée : *(c)*

---

(11) **WO 99/24185** (13) A1

(21) PCT/DE98/03246

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 425.0 (32) **7 Nov/nov 1997** (33) DE **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21B 37/54, B21C 47/00**

(54) • METHOD AND DEVICE FOR WINDING A METAL STRIP RUNNING OUT OF A HOT ROLLING MILL TRAIN
• DISPOSITIF ET PROCEDE D'ENROULEMENT D'UNE BANDE DE METAL SORTANT D'UN TRAIN DE LAMINOIR A CHAUD

(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) **MICHAEL, Klaus** [DE/DE]; Krohenäckerweg 3a, D–90587 Obermichelbach (DE). **STEIDL, Siegbert** [DE/DE]; Schützengraben 16 d, D–91074 Herzogenaurach (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24186** (13) A1

(21) PCT/IB98/01791

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) UD97A000210 (32) **11 Nov/nov 1997** (33) IT **(11.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21B 39/14, 39/12, 37/68, C21D 9/00, F27B 9/24, 9/14, B22D 11/16**

(54) • METHOD TO CONTROL THE AXIAL POSITION OF SLABS EMERGING FROM CONTINUOUS CASTING AND RELATIVE DEVICE
• PROCEDE DE REGLAGE DE LA POSITION AXIALE DES BILLETTES SORTANT DE LA COULEE CONTINUE ET DISPOSITIF CONNEXE S'Y RAPPORTANT

(71) **DANIELI & C. OFFICINE MECCANICHE S.P.A.** [IT/IT]; Via Nazionale, I–33042 Buttrio (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DONINI, Estore** [IT/IT]; Via Donizetti, 17, I–20059 Vimercate (IT). **DRIGANI, Fausto** [IT/IT]; Piazza della Chiesa, 6, I–33050 Zugliano (IT). **GALLETTI, Cesare** [IT/IT]; Ottava Strada, 6, I–20090 Segrate S. Felice (IT). **MILLONE, Roberto** [IT/IT]; Via S. Alberto, 29/A Int. 18, I–16154 Genova (IT).

(74) **GILBERTO, Petraz**; GLP S.r.l., Piazzale Cavedalis, 6/2, I–33100 Udine (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24187** (13) A1

(21) PCT/JP98/01187

(22) **19 Mar/mar 1998 (19.03.1998)**

(25) ja (26) ja

(31) 9/308743 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21C 47/02**

(54) • HOT ROLLED MATERIAL TAKE–UP EQUIPMENT AND TAKE–UP METHOD
• EQUIPEMENT DE RECEPTION DE MATIERES LAMINEES A CHAUD ET PROCEDE DE RECEPTION

(71) **ISHIKAWAJIMA–HARIMA HEAVY INDUSTRIES CO., LTD.** [JP/JP]; 2–1, Otemachi 2–chome, Chiyoda–ku, Tokyo 100–0004 (JP). **KAWASAKI STEEL CORPORATION** [JP/JP]; 1–28, Kitahonmachi–dori 1–chome, Chuo–ku, Kobe–shi, Hyogo 651–075 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUWANO, Hiroaki** [JP/JP]; 3–27–28, Hiland, Yokosuka–shi, Kanagawa 239–0833 (JP). **TAKASE, Hiroshi** [JP/JP]; 6–8–27, Kaminagaya, Kounan–ku, Yokohama–shi, Kanagawa 233–0012 (JP). **SATO, Hisashi** [JP/JP]; 3–21–7, Kuriki, Isogo–ku, Yokohama–shi, Kanagawa 235–0041 (JP). **MATSUSHITA, Toshirou** [JP/JP]; B106, 7–12, Funakoshi–cho, Yokosuka–shi, Kanagawa 237–0076 (JP). **IMAZEKI, Toshio** [JP/JP]; Kawasaki Steel Corporation, Chiba Works, 1, Kawasaki–chou, Chuo–ku, Chiba–shi, Chiba 260–0835 (JP). **KUKIZAKI, Taichi** [JP/JP]; Kawasaki Steel Corporation, Chiba Works, 1, Kawasaki–chou, Chuo–ku, Chiba–shi, Chiba 260–0835 (JP). **UEDA, Kiyoshi** [JP/JP]; Kawasaki Steel Corporation, Chiba Works, 1, Kawasaki–chou, Chuo–ku, Chiba–shi, Chiba 260–0835 (JP). **NIKAIDO, Hideyuki** [JP/JP]; Kawasaki Steel Corporation, Chiba Works, 1, Kawasaki–chou, Chuo–ku, Chiba–shi, Chiba 260–0835 (JP).

(74) **HOTTA, Minoru** et al. / etc.; Asa International Patent Firm, Hara Building 2, 3F, No. 15–6, Shiba 4–chome, Minato–ku, Tokyo 108–0014 (JP).

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

---

(11) **WO 99/24188** (13) A1

(21) PCT/IB98/01758

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) UD97A000209 (32) **10 Nov/nov 1997 (10.11.1997)** (33) IT

(31) UD98A000162 (32) **29 Sep/sep 1998 (29.09.1998)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21C 47/24, B65H 19/22**

(54) • CAROUSEL WINDING REEL
• ENROULEUR CARROUSEL

(71) **DANIELI & C. OFFICINE MECCANICHE S.P.A.** [IT/IT]; Via Nazionale, I–33042 Buttrio (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DRIGANI, Fausto** [IT/IT]; Piazza della Chiesa, 6, I–33050 Zugliano–Pozzuolo del Friuli (IT). **GALLETTI, Cesare** [IT/IT]; Ottava Strada, 6, I–20090 Segrate S. Felice (IT).

(74) **PETRAZ, Gilberto**; GLP S.r.l., Piazzale Cavedalis, 6/2, I–33100 Udine (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24189** (13) A1

(21) PCT/FR98/02360

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/14259 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21D 7/16**

(54) • FORMING TOOL HEATING DEVICE
• DISPOSITIF DE CHAUFFAGE D'UN OUTIL DE MISE EN FORME

(71) **SILFAX S.A.R.L.** [FR/FR]; 11, chemin des Eclapons, F–69390 Vourles (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROCHAS, Jean–François** [FR/FR]; 6, allée Claude Dumont, F–69300 Caluire (FR). **CAPPELLO, Serge** [IT/FR]; Chemin de Rosette, F–69440 Taluyers (FR). **BRUYAS, Jean–Paul** [FR/FR]; 22, rue Ayasse, F–69007 Lyon (FR). **CHASTAN, Jean–Paul** [FR/FR]; 38, cours des Sources, F–69130 Ecully (FR).

(74) **GARIN, Etienne**; Roosevelt Consultants, 109, rue Sully, Boîte postale 6138, F–69466 Lyon Cedex 06 (FR).

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

---

(11) **WO 99/24190** (13) A1

(21) PCT/EP98/07108

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 50 165.6 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21D 37/16, B30B 15/06**

(54) • METHOD AND DEVICE FOR CONTROLLING A FORMING PROCESS
• PROCEDE ET DISPOSITIF POUR COMMANDER UN PROCESSUS DE FORMAGE

(71) **FRAUNHOFER–GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Leonrodstrasse 54, D–80636 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **THAMM, Uwe** [DE/DE]; Weimarische Strasse 9, D–01127 Dresden (DE). **NAUMANN, Bernd** [DE/DE]; Alache Höhe 8, D–99100 Alach (DE).

(74) **GRÜNECKER, KINKELDEY, STOCKMAIR & SCHWANHÄUSSER**; Maximilianstrasse 58, D–80538 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24191** (13) A1

(21) PCT/AU98/00933

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) PP 0264 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(31) PP 0265 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(31) PP 4362 (32) **26 Jun/juin 1998 (26.06.1998)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B21H 3/02, E01B 29/28, F16B 33/02**

(54) • IMPROVEMENTS RELATING TO SCREWS AND THREADFORMS
• AMELIORATIONS APPORTEES AUX VIS ET AUX FILETAGES

(71) **HANSTOCK FASTENERS PTY LIMITED** [AU/AU]; Level 11, 55 Market Street, Sydney, NSW 2000 (AU). **REID CONSTRUCTION SYSTEMS PTY LIMITED** [AU/AU]; Level 4, East Tower, 608 St. Kilda Road, Melbourne, VIC 3004 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAPAFOTIOU, Fotios** [AU/AU]; 83 Glencairn Avenue, East Brighton, VIC 3187 (AU). **KERSHAW, David, Ian** [AU/AU]; 285 Elcho Road, Lara, VIC 3212 (AU).

(74) **MORCOM, Norman, B.**; 69 Waimarie Drive, Mount Waverley, VIC 3149 (AU).

(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).

---

(11) **WO 99/24192** (13) A1

(21) PCT/AT98/00254

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) de (26) de

(31) A 1893/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B22D 11/04**

(54) • DEVICE FOR CONTINUOUS CASTING OF A METAL BAR

- DISPOSITIF DE COULEE CONTINUE D'UNE BARRE METALLIQUE

(71) **VOEST–ALPINE INDUSTRIEANLAGENBAU GMBH** [AT/AT]; Turmstrasse 44, A–4020 Linz (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LANSCHÜTZER, Josef** [AT/AT]; Staig 41, A–5582 St. Margarethen (AT). **SCHÖNHUBER, Klaus** [AT/AT]; Bergham 26, A–4851 Gampern (AT). **SHAN, Guo, Xiu** [AT/AT]; Am Bindermichl 61/4, A–4020 Linz (AT). **THÖNE, Heinrich** [AT/AT]; Stiedelsbach 50, A–4460 Losenstein (AT). **WIMMER, Franz** [AT/AT]; Pomedt 18, A–4752 Riedau (AT).

(74) **AMRUSCH, Manfred**; VA Tech Patente GmbH, Stahlstrasse 21a, A–4020 Linz (AT).

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

---

(11) **WO 99/24193** (13) A1

(21) PCT/IT98/00319

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) RM97A000694 (32) **12 Nov/nov 1997 (12.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B22D 11/06**

(54)
- SURFACE OF A COOLING ROLL FOR CONTINUOUS CASTING MACHINES
- SURFACE D'UN CYLINDRE REFROIDISSEUR POUR DES MACHINES DE COULEE CONTINUE

(71) **ACCIAI SPECIALI TERNI S.P.A.** [IT/IT]; Viale B. Brin, 218, I–05100 Terni (IT). **VOEST–ALPINE INDUSTRIEANLAGENBAU GMBH** [AT/AT]; Turmstrasse 44, A–4020 Linz (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FERRETTI, Alessandro** [IT/IT]; Centro Sviluppo Materiali S.p.A, Via di Castel Romano, 100–102, I–00129 Rome (IT). **TOLVE, Pietro** [IT/IT]; Centro Sviluppo Materiali S.p.A, Via di Castel Romano, 100–102, I–00129 Rome (IT). **CAPOTOSTI, Romeo** [IT/IT]; Centro Sviluppo Materiali S.p.A, Via di Castel Romano, 100–102, I–00129 Rome (IT). **HOHENBICHLER, Gerald** [AT/AT]; Voest–Alpine Industrieanlagenbau GmbH, Turmstrasse 44, A–4020 Linz (AT).

(74) **IACOBELLI, Daniele** et al. / etc.; Società Italiana Brevetti S.p.A., Piazza di Pietra, 39, I–00186 Rome (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24194** (13) A1

(21) PCT/FI97/00676

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) fi (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B22D 39/06, C22B 26/22**

(54)
- METHOD AND APPARATUS FOR MELTING NON–FERROUS METALS, ESPECIALLY MAGNESIUM
- PROCEDE ET APPAREIL DE FUSION DE METAUX NON FERREUX, SPECIALEMENT LE MAGNESIUM

(71) **AB JÅFS EXPORT OY HOLIMESY** [FI/FI]; Södra Vägen 4, FIN–66600 Vörå (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JÅFS, Daniel** [FI/FI]; Rösslevägen 585, FIN–66600 Vörå (FI). **JÅFS, Lars, H., M.** [FI/FI]; Riksåttan 856, FIN–66710 Kaitsor (FI).

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

---

(11) **WO 99/24195** (13) A1

(21) PCT/DE98/03200

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 228.2 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B22F 3/11, B41F 13/08**

(54)
- SEMIFINISHED PRODUCT WITH A METALLIC FOAM CORE
- PRODUIT SEMI–FINI COMPORTANT UN NOYAU EN MOUSSE METALLIQUE

(71) **KOENIG & BAUER AKTIENGESELLSCHAFT** [DE/DE]; Friedrich–Koenig–Strasse 4, D–97080 Würzburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GLÖCKNER, Erhard, Herbert** [DE/DE]; Wilhelm–Dohles–Strasse 18, D–97246 Eibelstadt (DE). **KUTZNER, Willi, Albert, Peter** [DE/DE]; Johannes–Kepler–Strasse 22, D–97074 Würzburg (DE). **RÜCKMANN, Wolfgang, Günter** [DE/DE]; Keesburgstrasse 20b, D–97074 Würzburg (DE).

(81) 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)*

---

(11) **WO 99/24196** (13) A1

(21) PCT/EP98/07232

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 939.2 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23B 5/18, B23C 3/06, B23D 37/00**

(54)
- HIGH SPEED MILLING AND TURNING/ TURN BROACHING / TURNING AND TURN BROACHING
- FRAISAGE HAUTE VITESSE + TOURNAGE / BROCHAGE PAR TOURNAGE/ TOURNAGE – BROCHAGE PAR TOURNAGE

(71) **BOEHRINGER WERKZEUGMASCHINEN GMBH** [DE/DE]; Stuttgarter Strasse 50, D–73033 Göppingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SANTORIUS, Rolf** [DE/DE]; Sonnenrain 14, D–73066 Uhingen–Nassachmühle (DE). **KOHLHASE, Matthias** [DE/DE]; Kastanienweg 16, D–78713 Schramberg–Sulgen (DE).

(74) **HANSMANN & VOGESER**; Albert–Rosshaupter–Strasse 65, D–81369 München (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)*

---

(11) **WO 99/24197** (13) A1

(21) PCT/EP98/07233

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 940.6 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23B 5/18, B23C 3/06, B23P 13/00 // C21D 1/00**

(54)
- CRANKSHAFT MACHINING + HARDENING + MACHINING + FINISHING
- COUPE + TREMPE + COUPE + FINISSAGE DE VILEBREQUINS

(71) **BOEHRINGER WERKZEUGMASCHINEN GMBH** [DE/DE]; Stuttgarter Strasse 50, D–73033 Göppingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SANTORIUS, Rolf** [DE/DE]; Sonnenrain 14, D–73066 Uhingen–Nassachmühle (DE). **KOHLHASE, Matthias** [DE/DE]; Kastanienweg 16, D–78713 Schramberg–Sulgen (DE).

(74) **HANSMANN & VOGESER**; Albert–Roßhaupter–Strasse 65, D–81369 München (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)*

---

(11) **WO 99/24198** (13) A1

(21) PCT/JP98/05004

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/304312 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 10/10054 (32) **22 Jan/jan 1998 (22.01.1998)** (33) JP

(31) 10/301898 (32) **23 Oct/oct 1998 (23.10.1998)** (33) JP

(31) 10/301902 (32) **23 Oct/oct 1998 (23.10.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23B 27/14, C23C 28/04, 16/36**

(54)
- COATED TOOL OF CEMENTED CARBIDE
- OUTIL ENROBE EN CARBURE FRITTE

(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) **MORIGUCHI, Hideki** [JP/JP]; Itami Works of Sumitomo Electric Industries, Ltd., 1–1, Koyakita 1–chome, Itami–shi, Hyogo 664–0016 (JP). **IKEGAYA, Akihiko** [JP/JP]; Itami Works of Sumitomo Electric Industries, Ltd., 1–1, Koyakita 1–chome, Itami–shi, Hyogo 664–0016 (JP). **YAMAGATA, Kazuo** [JP/JP]; Itami Works of Sumitomo Electric Industries, Ltd., 1–1, Koyakita 1–chome, Itami–shi, Hyogo 664–0016 (JP).

(74) **HAGIWARA, Ryoichi** et al. / etc.; Toranomon Chiyoda Building, 16–2, Toranomon 1–chome, Minato–ku, Tokyo 105–0001 (JP).

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

---

(11) **WO 99/24199** (13) A1

(21) PCT/US98/23971

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,461 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23B 29/24, G05G 1/04, F01B 29/00, F15B 15/26, F16D 11/04**

(54) • LINEAR STOPPING AND POSITIONING APPARATUS
• DISPOSITIF D'ARRET ET DE POSITIONNEMENT LINEAIRES

(71, 72) **BARBER, Steven, C.** [US/US]; 24395 Wood Drive, Shorewood, MN 55331 (US).

(74) **HARMON, James, V.**; 1000 Northstar Center East, 608 Second Avenue South, Minneapolis, MN 55402 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24200** (13) A1

(21) PCT/EP98/06967

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 835.3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23B 31/107**

(54) • QUICK CHANGE CONNECTION FOR DIAMOND DRILLING MACHINE TOOLS, ESPECIALLY FOR CORE DRILLING MACHINE TOOLS (DRILL BIT QUICK CLOSURE)
• RACCORD RAPIDE POUR OUTILS DE FOREUSE A POINTES DE DIAMANTS, EN PARTICULIER POUR OUTILS DE FOREUSE A CAROTTAGE (RACCORD RAPIDE DE COURONNE DE FORAGE)

(71, 72) **VERWEYEN, Ulrich** [DE/DE]; Luitgardisstrasse 9, D–46446 Emmerich (DE).

(74) **SCHOENEN, Norbert**; Uerdinger Strasse 3, D–47441 Moers (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)*

---

(11) **WO 99/24201** (13) A1

(21) PCT/IL98/00533

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 122169 (32) **11 Nov/nov 1997 (11.11.1997)** (33) IL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23B 35/00, 51/06, 39/10, B23Q 5/22, B21D 53/24, B21J 13/02**

(54) • A METHOD AND DEVICE FOR MACHINING A THROUGH BORE
• PROCEDE ET DISPOSITIF D'USINAGE D'UN TROU TRAVERSANT

(71) **FLYING TOOLS LTD.** [IL/IL]; Hahistadrut Street 99, 31250 Mifratz Haifa (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAGANOVICH, Miron** [IL/IL]; Ben–Ami Street 19/29, 28044 Qiriat Alta (IL).

(74) **AGRANOV, David**; Moriah Avenue 20, 34571 Haifa (IL).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24202** (13) A1

(21) PCT/EP98/07042

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 297 19 678.2 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(31) 298 03 600.2 (32) **2 Mar/mar 1998 (02.03.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23D 59/02, B25F 5/02, B23D 45/16**

(54) • HAND–GUIDED CUTTING DEVICE, ESPECIALLY A MANUAL CIRCULAR SAW, WITH A CUTTING COOLANT STORAGE AREA WHICH IS INTEGRATED IN THE HANDLE
• APPAREIL DE COUPE POUVANT ETRE COMMANDE A LA MAIN, EN PARTICULIER SCIE CIRCULAIRE MANUELLE, COMPORTANT UNE CHAMBRE DE RESERVE DE LIQUIDE DE COUPE INTEGREE A LA POIGNEE

(71) **POWERTOOLS INTERNATIONAL GMBH** [DE/DE]; Bei den Birken 4, D–25474 Ellerbek (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MÜNNEKEHOFF, Gerd** [DE/DE]; Langestrasse 80, D–42857 Remscheid (DE). **WOLTER, Bernd** [DE/DE]; Henkelshof 2, D–42897 Remscheid (DE).

(74) **ZAPF, Christoph**; Dr. Solf & Zapf, Schlossbleiche 20, D–42103 Wuppertal (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24203** (13) A1

(21) PCT/IB98/01824

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) GM 701/97 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23F 21/03, B24D 3/30, 18/00 // B24B 33/08**

(54) • COMPOSITE HONING RING
• COURONNE DE HONING COMPOSITE

(71) **RAPPOLD INTERNATIONAL SALES AG** [CH/CH]; Untere Heslibachstrasse 43, CH–8700 Küsnacht (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAPPOLD, Edgar** [CH/CH]; Obere Rebhalde 42, CH–6340 Baar (CH).

(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)*

---

(11) **WO 99/24204** (13) A1

(21) PCT/GB98/03300

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9723919.8 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23F 23/04**

(54) • LOADER FOR SPROCKET WHEELS AND METHOD TO AUTOMATICALLY POSITION DOUBLE–TOOTHING SPROCKET WHEELS USING THE LOADER
• DISPOSITIF DE CHARGEMENT POUR ROUES DENTEES ET PROCEDE DE POSITIONNEMENT AUTOMATIQUE DE ROUES A DOUBLE DENTURE AU MOYEN DE CE DISPOSITIF DE CHARGEMENT

(71) **TECHNOLOGIES RESEARCH HOLDING S.A.** [LU/LU]; 35, rue Glesener, L–1631 Luxembourg (LU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GILL, Sheridan, Ralph** [GB/–]; La Bruyere, Sark (GB).

(74) **LEE, Nicholas, John**; Haseltine Lake & Co., Imperial House, 15–19 Kingsway, London WC2B 6UD (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24205** (13) A1

(21) PCT/GB98/03301

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9723917.2 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23F 23/12, 7/00**

(54) • CENTERING DEVICE FOR THE PRODUCTION OF DOUBLE–TOOTHING SPROCKET WHEELS OR PULLEYS AND RELATIVE METHOD OF PRODUCTION

- DISPOSITIF DE CENTRAGE POUR LA PRODUCTION DE PIGNONS OU DE POULIES A DOUBLE DENTURE ET PROCEDE DE PRODUCTION ASSOCIE

(71) **TECHNOLOGIES RESEARCH HOLDING S.A.** [LU/LU]; 35, rue Glesener, L–1631 Luxembourg (LU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GILL, Sheridan, Ralph** [GB/–]; La Bruyere, Sark (GB).

(74) **LEE, Nicholas, John**; Haseltine Lake & Co., Imperial House, 15–19 Kingsway, London WC2B 6UD (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24206** (13) A1

(21) PCT/JP98/04494

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) ja (26) ja

(31) 9/325215 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23H 5/00**

(54) • METHOD AND APPARATUS FOR POLISHING INNER SURFACE OF CYLINDRICAL PORTION OF ELONGATED CYLINDRICAL WORK AND ELONGATED CYLINDRICAL WORK
- PROCEDE ET APPAREIL PERMETTANT DE POLIR LA SURFACE INTERIEURE DE LA PARTIE CYLINDRIQUE D'UNE PIECE CYLINDRIQUE ALLONGEE ET PIECE CYLINDRIQUE ALLONGEE

(71) **NISSIN UNYU KOGYO CO., LTD.** [JP/JP]; 14–1, Chofuminato–machi, Shimonoseki–shi, Yamaguchi–ken 752–0953 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AIURA, Sunao** [JP/JP]; Chofu Seizosho, Kobe Steel, Ltd., 14–1, Chofuminato–machi, Shimonoseki–shi, Yamaguchi–ken 752 0953 (JP). **INOUE, Katsuhiko** [JP/JP]; Chofu Seizosho, Kobe Steel, Ltd., 14–1, Chofuminato–machi, Shimonoseki–shi, Yamaguchi–ken 752–0953 (JP). **SASAKI, Toshihiko** [JP/JP]; Chofu Seizosho, Kobe Steel, Ltd., 14–1, Chofuminato–machi, Shimonoseki–shi, Yamaguchi–ken 752–0953 (JP). **AKAGI, Kazuo** [JP/JP]; Nissin Unyu Kogyo Co., Ltd., 14–1, Chofuminato–machi, Shimonoseki–shi, Yamaguchi–ken 752–0953 (JP). **TAKAHASHI, Koji** [JP/JP]; Nissin Unyu Kogyo Co., Ltd., 14–1, Chofuminato–machi, Shimonoseki–shi, Yamaguchi–ken 752–0953 (JP).

(74) **AKIMOTO, Teruo**; 1–1, Minami–aoyama 1–chome, Minato–ku, Tokyo 107–0062 (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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24207** (13) A2

(21) PCT/EP98/06963

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 186.3 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K**

(54) • ARRANGEMENT OF A SHROUD FOR ACCOMMODATING A PROTECTIVE GAS ATMOSPHERE FOR SOLDERING PRINTED CIRCUIT MODULES
- AGENCEMENT D'UNE ENVELOPPE

(71) **MESSER GRIESHEIM GMBH** [DE/DE]; Frankfurt Airport Center 1, C9, Hugo–Eckener–Ring, D–60547 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHELLEN, Ralph** [DE/DE]; Keutmannstrasse 262, D–47800 Krefeld (DE). **SCHWINN, Tilman** [DE/DE]; Bürgermeister–Pütz–Strasse 89, D–47137 Duisburg (DE). **TAUCHMANN, Jens** [DE/DE]; E.–Brändström–Strasse 30, D–13189 Berlin (DE).

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

---

(11) **WO 99/24208** (13) A1

(21) PCT/EP98/06962

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 187.1 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K 1/008, 1/08**

(54) • SOLDERING DEVICE
- DISPOSITIF DE BRASAGE

(71) **MESSER GRIESHEIM GMBH** [DE/DE]; Frankfurt Airport Center 1, C9, Hugo–Eckener–Ring, D–60547 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LUCHT, Heinz–Olaf** [DE/DE]; Alte Gladbacher Strasse 280b, D–47804 Krefeld (DE). **SCHWINN, Tilman** [DE/DE]; Bürgermeister–Pütz–Strasse 89, D–47137 Duisburg (DE). **SCHMIDT, Hans–Peter** [DE/DE]; Weststrasse 26, D–40822 Mettmann (DE). **TAUCHMANN, Jens** [DE/DE]; E.–Brändström–Strasse 30, D–13189 Berlin (DE).

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

---

(11) **WO 99/24209** (13) A1

(21) PCT/EP98/06964

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 185.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K 1/008**

(54) • GAS DISTRIBUTION SYSTEM WHICH CAN BE CONNECTED TO A GAS SUPPLY
- SYSTEME DE DISTRIBUTION DE GAZ SE RACCORDANT A UNE ALIMENTATION EN GAZ.

(71) **MESSER GRIESHEIM GMBH** [DE/DE]; Frankfurt Airport Center 1, C9, Hugo–Eckener–Ring, D–60547 Frankfurt (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHELLEN, Ralph** [DE/DE]; Keutmannstrasse 262, D–47800 Krefeld (DE). **TAUCHMANN, Jens** [DE/DE]; E.–Brändström–Strasse 30, D–13189 Berlin (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24210** (13) A1

(21) PCT/EP98/06965

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 184.7 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K 1/008**

(54) • SOLDERING DEVICE
- DISPOSITIF DE BRASAGE

(71) **MESSER GRIESHEIM GMBH** [DE/DE]; Frankfurt Airport Center 1, C9, Hugo–Eckener–Ring, D–60547 Frankfurt (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHELLEN, Ralph** [DE/DE]; Keutmannstrasse 262, D–47800 Krefeld (DE). **TAUCHMANN, Jens** [DE/DE]; E.–Brändströmstrasse 30, D–13189 Berlin (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24211** (13) A1

(21) PCT/US98/23089

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/966,057 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K 3/06**

(54) • METHOD AND APPARATUS FOR DISPENSING MATERIALS ON A SUBSTRATE
- PROCEDE ET APPAREIL A DEPOSER DES MATIERES SUR UN SUBSTRAT

(71) **SPEEDLINE TECHNOLOGIES, INC.** [US/US]; 16 Forge Park, Franklin, MA 02038 (US).

(72) **FREEMAN, Gary, T.**; 236 Hale Street, Beverly, MA 01915 (US). **BALOG, Robert, J.**; 41 Village Way, North Attleboro, MA 02760 (US). **ROSSMEISL, Mark**; 13 Farm Road, Franklin, MA 02038 (US).

(74) **SULLIVAN, Thomas, M.**; Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., One Financial Center, Boston, MA 02111 (US).

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

(11) **WO 99/24212** (13) A1

(21) PCT/CA97/00840

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K 9/133**

(54) • A WELDING DEVICE WITH LINEAR DRIVE
• DISPOSITIF DE SOUDAGE AVEC MECANISME D'ENTRAINEMENT LINEAIRE

(71, 72) **NI, Chong, Yang** [CN/CA]; 75 Springbrook Drive, Richmond Hill, Ontario L4B 3R3 (CA).

(74) **WONG, David, W.**; 46 Willowbrook Road, Thornhill, Ontario L3T 4W9 (CA).

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

---

(11) **WO 99/24213** (13) A1

(21) PCT/EP98/06861

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 49 525.7 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K 26/10, A61F 13/02, A61K 9/70**

(54) • LASER BEAM CUTTING METHOD FOR CUTTING LAMINATES FOR APPLYING TO THE SKIN
• PROCEDE POUR DECOUPER AU FAISCEAU LASER DES STRATIFIES S'APPLIQUANT SUR LA PEAU

(71) **LTS LOHMANN THERAPIE–SYSTEME GMBH** [DE/DE]; Irlicherstrasse 55, D–56567 Neuwied (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VON FALKENHAUSEN, Christian** [DE/DE]; Kurfürstenplatz 17, D–53125 Bonn (DE).

(74) **FLACCUS, Rolf–Dieter**; Bussardweg 10, D–50389 Wesseling (DE).

(81) AU CA CZ HU ID IL JP KR MX NO NZ PL SG SI SK TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/24214** (13) A1

(21) PCT/IB97/01615

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K 35/02, 35/22, 35/36, 35/30, B23P 6/04**

(54) • WIDE–GAP FILLER MATERIAL
• MATIERE DE REMPLISSAGE DE FENTES LARGES

(71) **LIBURDI ENGINEERING LIMITED** [CA/CA]; 400 Highway #6 North, Hamilton, Ontario L9J 1E7 (CA).

(72) **ELLISON, Keith**; 2384 Holyhead Drive, Burlington, Ontario L9J 137 (CA). **LIBURDI, Joseph**; Rural Route #4, 1145 Brock Road, Dundas, Ontario L9H 5E4 (CA).

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

---

(11) **WO 99/24215** (13) A1

(21) PCT/US98/23795

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 60/065,114 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 60/076,901 (32) **5 Mar/mar 1998 (05.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23K 37/04**

(54) • CAR BODY ASSEMBLY AND WELDING STATION WITH RECIPROCAL GATE–SUPPORTING SYSTEM
• POSTE D'ASSEMBLAGE ET DE SOUDURE D'UNE CARROSSERIE DE VEHICULE, DOTE D'UN SYSTEME DE SUPPORT DE PORTE A MOUVEMENT DE VA ET VIENT

(71) **PROGRESSIVE TOOL & INDUSTRIES CO.** [US/US]; 21000 Telegraph Road, Southfield, MI 48034 (US).

(72) **SLOAN, Kenneth, R.**; 1505 Boulan, Troy, MI 48084 (US). **ZANGER, Leonard, A.**; 740 Weybridge Drive, Bloomfield Hills, MI 48304 (US). **JARVIS, Edward, L.**; 4885 Crooked Lake Road, Howell, MI 48843 (US). **LUCAORA, Johnny, D.**; 36177 Capper, Clinton Township, MI 48035 (US).

(74) **BASILE, Andrew, R.**; Young & Basile, P.C., Suite 624, 3001 West Big Beaver Road, Troy, MI 48084 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24216** (13) A1

(21) PCT/US98/24079

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,363 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23P 17/00**

(54) • PROCESS OF MAKING FINE AND ULTRA FINE METALLIC FIBERS
• PROCEDE DE FABRICATION DE FIBRES METALLIQUES FINES ET ULTRAFINES

(71) **USF FILTRATION AND SEPARATIONS GROUP, INC.** [US/US]; Suite 700, 9690 Deereco Road, Timonium, MD 21093 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **QUICK, Nathaniel, R.** [–/US]; 894 Silverado Court, Lake Mary, FL 32746 (US). **LIBERMAN, Michael** [–/US]; 1505 Covered Bridge Drive, Deland, FL 32724 (US). **SOBOLEVSKY, Alexander** [–/US]; 2870 Valley Forge Road, Deland, FL 32720 (US). **MCNEICE, Raymond, R.** [–/US]; 55 Dogwood Trail, Debary, FL 32713 (US).

(74) **FRIJOUF, Robert, F.**; Frijouf, Rust & Pyle, P.A., 201 East Davis Boulevard, Tampa, FL 33606 (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; 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 : *(c)*

---

(11) **WO 99/24217** (13) A1

(21) PCT/PL98/00045

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) P.323057 (32) **6 Nov/nov 1997 (06.11.1997)** (33) PL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B23Q 11/00, B08B 15/04**

(54) • DEVICE FOR CATCHING TINY PARTICLES GENERATED WHEN DRILLING HOLES
• DISPOSITIF DE RECUPERATION DES MICROPARTICULES PRODUITES LORS D'OPERATION DE PERÇAGE DE TROUS

(71, 72) **HAPKA, Pawel** [PL/PL]; ul. Langiewicza 14–33, PL–35–020 Rzeszów (PL).

(74) **WARZYBOK, Tadeusz**; PU i PH "Inicjator" Sp.z o.o. Biuro Patentowe, ul. Zimowit 3/15, PL–35–605 Rzeszów (PL).

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

---

(11) **WO 99/24218** (13) A1

(21) PCT/US98/23575

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,875 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 09/049,864 (32) **27 Mar/mar 1998 (27.03.1998)** (33) US

(31) 09/138,628 (32) **24 Aug/août 1998 (24.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B24B 1/00**

(54) • MANUFACTURING A MEMORY DISK OR SEMICONDUCTOR DEVICE USING AN ABRASIVE POLISHING SYSTEM, AND POLISHING PAD
• UTILISATION D'UN SYSTEME DE POLISSAGE PAR ABRASION POUR FABRIQUER UN DISQUE MEMOIRE OU UN DISPOSITIF SEMI–CONDUCTEUR, ET TAMPON A POLIR

(71) **RODEL HOLDINGS, INC.** [US/US]; Suite 1300, 1105 N. Market Street, Wilmington, DE 19899 (US).

(72) **JAMES, David, B.**; 221 Aronimink Drive, Newark, DE 19711 (US). **BUDINGER, William, D.**; 504 Noah Lane, Sunset House, Key West, FL 33040 (US). **ROBERTS, John, V., H.**; 17 West Country Lane, Newark, DE 19702 (US). **OLIVER, Michael, R.**; 14625 N.W. Skyline Boulevard, Portland, OR 97231 (US). **CHECHIK, Nina, G.**; 13 Kent Drive, Hockessin, DE 19707 (US). **LEVERING, Richard, M., Jr.**; 3 Carolyn Court, Hockessin, DE 19707 (US). **REINHARDT, Heinz, F.**; 19 McCarthy Road, Chadds Ford, PA 19317 (US).

(74) **BENSON, Kenneth, A.**; Rodel Holdings, Inc., Suite 1300, 1105 N. Market Street, Wilmington, DE 19899 (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).

---

(11) **WO 99/24219** (13) A1

(21) PCT/JP98/04953

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) ja (26) ja

(31) 9/305786 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B24B 55/02, 37/04**

(54) • ROTARY JOINT FOR FLUID
• JOINT ROTATIF POUR FLUIDE

(71) **NIPPON PILLAR PACKING CO., LTD.** [JP/JP]; 11–48, Nonakaminami 2–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0022 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OMIYA, Junji** [JP/JP]; Nippon Pillar Packing Co., Ltd., 11–48, Nonakaminami 2–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0022 (JP). **WADA, Masato** [JP/JP]; Nippon Pillar Packing Co., Ltd., 11–48, Nonakaminami 2–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0022 (JP).

(74) **SUGIMOTO, Takeo** et al. / etc.; Kitahama–Katano Building, 1–21, Kitahama 2–chome, Chuo–ku, Osaka–shi, Osaka 541–0041 (JP).

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

---

(11) **WO 99/24220** (13) A1

(21) PCT/US98/21734

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

(25) en (26) en

(31) 08/968,504 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B24C 3/06, 3/00, 9/00**

(54) • CLOSED CIRCUIT MEDIA CAPTURE AND RECOVERY HEAD FOR A PORTABLE WHEAT STARCH MEDIA BLAST SYSTEM
• TETE DE RECUPERATION D'ABRASIFS EN CIRCUIT FERME POUR SYSTEME PORTABLE DE DECAPAGE A L'AMIDON DE BLE

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

(72) **MILLER, Raymond, E.**; 14309 Cartela Drive, La Mirada, CA 90638 (US). **ALLARD, James, J.**; 3909 Rustic Lane, Vacaville, CA 95688 (US). **TRACY, David, B.**; 1124 Beau Avenue, Lake Charles, LA 70611 (US). **HANCOCK, David, J.**; 3027 Spyglass Court, China Hills, CA 91709 (US). **MEREDITH, Brent, R.**; 1359 W. Ash, Fullerton, CA 92833 (US). **STEIN, Gregory, N.**; 10367 River Run Circle, Moreno Valley, CA 92557 (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 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 : *(a)*

---

(11) **WO 99/24221** (13) A1

(21) PCT/US98/04372

(22) **6 Mar/mar 1998 (06.03.1998)**

(25) en (26) en

(31) 08/966,644 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B24D 7/16, 13/20, B24B 45/00, B24D 9/08**

(54) • SURFACE TREATMENT ARTICLE HAVING A QUICK RELEASE FASTENER
• ARTICLE DE TRAITEMENT DE SURFACE COMPRENANT UNE FIXATION A DESSERRAGE RAPIDE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **LUEDEKE, Arthur, P.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **TRUSSELL, James, T.** 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 MX RU; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24222** (13) A1

(21) PCT/US98/04464

(22) **6 Mar/mar 1998 (06.03.1998)**

(25) en (26) en

(31) 08/966,643 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B24D 7/16, 13/20, B24B 45/00, B24D 9/08**

(54) • BACKUP PAD FOR ABRASIVE ARTICLES, AND METHOD OF USE
• BLOC SUPPORT POUR ARTICLES ABRASIFS ET SON PROCEDE D'UTILISATION

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **LUEDEKE, Arthur, P.**; 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 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 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).

---

(11) **WO 99/24223** (13) A1

(21) PCT/US98/04811

(22) **12 Mar/mar 1998 (12.03.1998)**

(25) en (26) en

(31) 08/968,393 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B24D 11/00, 3/32, 15/04**

(54) • ABRASIVE FOAM ARTICLE AND METHOD OF MAKING SAME
• ARTICLE EN MOUSSE ABRASIVE ET SON PROCEDE DE PRODUCTION

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **BEARDSLEY, Kris, A.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **LISE, Jonathan, M.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **MINICK, Chris, A.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **MUIR, Richard, B.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **NICCUM, Brent, D.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **SANDERS, Rufus, C., Jr.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **SHEELY, Jeffrey, D.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **BARDELL, Scott, A.** 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 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 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).

---

(11) **WO 99/24224** (13) A2

(21) PCT/US98/23425

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,546 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 08/976,814 (32) **24 Nov/nov 1997 (24.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B25B**

(54) • HAND WRENCH WITH TORQUE AUGMENTING MEANS
• CLEF A MAIN A DISPOSITIF DYNAMOMETRIQUE

(71, 72) **SPIRER, Steven, E.** [US/US]; 391 Haworth Avenue, Haworth, NJ 07641 (US).

(74) **WEINGRAM, Edward, R.**; Weingram & Associates, P.C., 197 West Spring Valley Avenue, P.O. Box 927, Maywood, NJ 07607 (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).

(11) **WO 99/24225** (13) A1

(21) PCT/EP98/07126

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 50 095.1 (32) **12 Nov/nov 1997** (33) DE **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B25B 7/02, 31/00**

(54) • METHOD FOR DETACHING SENSORS (AND OTHER GLUED PARTS) FROM A WINDOW AND PLIERS FOR CARRYING OUT THE SAME
• PROCEDE POUR ENLEVER DES CAPTEURS (ET D'AUTRES PARTIES COLLEES) D'UNE VITRE, ET PINCE POUR LA MISE EN OEUVRE DE CE PROCEDE

(71) **SWF AUTO–ELECTRIC GMBH & CO. KG** [DE/DE]; Stuttgarter Strasse 119, D–74321 Bietigheim–Bissingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIERSTEN, Peter** [DE/DE]; Sudetenweg 8, D–71720 Oberstenfeld (DE). **CAMPESATO, Bruno** [IT/DE]; In den Linden 14, D–74379 Ingersheim (DE).

(74) **DREISS, FUHLENDORF, STEIMLE & BECKER**; Postfach 10 37 62, D–70032 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)*

---

(11) **WO 99/24226** (13) A1

(21) PCT/EP98/07072

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 254.1 (32) **7 Nov/nov 1997** (33) DE **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B26B 5/00**

(54) • KNIFE, ESPECIALLY A CARPET KNIFE
• COUTEAU, EN PARTICULIER COUTEAU A MOQUETTE

(71) **WOLFCRAFT GMBH** [DE/DE]; Wolff–Strasse 1, D–56746 Kempenich (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DEGEN, Klemens** [DE/DE]; Zur Geisley 8, D–56745 Weibern (DE). **SCHÜLLER, Hans–Jürgen** [DE/DE]; Schulstrasse 5, D–53426 Königsfeld (DE).

(74) **GRUNDMANN, Dirk** et al. / etc.; Corneliusstrasse 45, D–42329 Wuppertal (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24227** (13) A1

(21) PCT/EP98/07073

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 256.8 (32) **7 Nov/nov 1997** (33) DE **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B26B 5/00**

(54) • KNIFE HANDLE, ESPECIALLY FOR A CARPET KNIFE
• MANCHE DE COUTEAU, EN PARTICULIER DE COUTEAU A MOQUETTE

(71) **WOLFCRAFT GMBH** [DE/DE]; Wolff–Strasse 1, D–56746 Kempenich (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DEGEN, Klemens** [DE/DE]; Zur Geisley 8, D–56745 Weibern (DE). **SCHÜLLER, Hans–Jürgen** [DE/DE]; Schulstrasse 5, D–53426 Königsfeld (DE).

(74) **GRUNDMANN, Dirk** et al. / etc.; Corneliusstrasse 45, D–42329 Wuppertal (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24228** (13) A1

(21) PCT/DE98/03223

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 561.3 (32) **10 Nov/nov 1997** (33) DE **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B26D 1/00**

(54) • STRIP–SHAPED OR RECIPROCATING KNIFE
• DISPOSITIF COUPANT ALTERNATIF OU SOUS FORME DE BANDE

(71, 72) **BALKE, Axel** [DE/DE]; Dellenfeld 34, D–42653 Solingen (DE).

(74) **LIPPERT, H.–J.** et al. / etc.; Lippert, Stachow, Schmidt & Partner, Kölner Strasse 8, D–42651 Solingen (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24229** (13) A1

(21) PCT/US98/23229

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/064,989 (32) **10 Nov/nov 1997** (33) US **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B27N 5/00**

(54) • MOLDING FACILITATOR AND USE THEREOF
• FACILITATEUR DE MOULAGE ET SON UTILISATION

(71) **HENKEL CORPORATION** [US/US]; Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HELD, Theodore, D., III** [US/US]; 5 Radnor Circle, Grosse Pointe Farms, MI 48230 (US). **LASKY, Douglas, J.** [US/US]; 1577 Derby, Birmingham, MI 48009 (US).

(74) **WISDOM, Norvell, E., Jr.**; Henkel Corporation, Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US).

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

---

(11) **WO 99/24230** (13) A1

(21) PCT/US98/23294

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/965,307 (32) **6 Nov/nov 1997** (33) US **(06.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29B 7/28**

(54) • DYNAMIC MIXER CONTROL IN PLASTICS AND RUBBER PROCESSING
• COMMANDE DYNAMIQUE DU MELANGEUR DANS LA TRANSFORMATION DU CAOUTCHOUC ET DES MATIERES PLASTIQUES

(71) **M.A.HANNARUBBERCOMPOUNDING** [US/US]; Suite 220, 100 North Main Street, Chagrin Falls, OH 44022 (US).

(72) **EDWARDS, Daniel, C.**; 3213 Buckboard Drive, Evergreen, CO 80439 (US).

(74) **ARNDT, Barbara, E.** et al. / etc.; Jones, Day, Reavis & Pogue, North Point, 901 Lakeside Avenue, Cleveland, OH 44114 (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 GW ML MR NE SN TD TG).

---

(11) **WO 99/24231** (13) A1

(21) PCT/JP98/05012

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9/307217 (32) **10 Nov/nov 1997** (33) JP **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 33/00, G11B 23/113, B29C 33/44, 33/30**

(54) • MOLD FOR MOLDING A REEL LOCK MEMBER
• MOULE SERVANT A MOULER UN ELEMENT DE BLOCAGE DE BOBINE

(71) **FUJI PHOTO FILM CO., LTD.** [JP/JP]; 210, Nakanuma, Minami–Ashigara–shi, Kanagawa 250–0123 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ASHIKAWA, Teruo** [JP/JP]; Fuji Photo Film Co., Ltd., 12–1, Ogicho 2–chome, Odawara–shi, Kanagawa 250–0001 (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) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24232** (13) A1

(21) PCT/CA98/01045

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 2,220,797 (32) **12 Nov/nov 1997 (12.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 43/18, 45/14**

(54) • PROCESS AND TOOLING FOR DECORATIVE MOLDED PLASTIC PRODUCTS
• MOULE A COMPRESSION DE PRODUITS PLASTIQUES DE DECORATION, ET PROCEDE

(71) **ROYAL ECOPRODUCTS LIMITED** [CA/CA]; 119 Snow Boulevard, Concord, Ontario L4K 4N9 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOEDL, Herbert, K.** [AT/CA]; 119 Snow Boulevard, Concord, Ontario L4K 4N9 (CA). **MAURY, Eufredo** [CA/CA]; 119 Snow Boulevard, Concord, Ontario L4K 4N9 (CA). **COCKLE, Dave** [CA/CA]; 119 Snow Boulevard, Concord, Ontario L4K 4N9 (CA).

(74) **JOHNSON, Douglas, S.** et al. / etc.; Suite 301, 133 Richmond Street West, Toronto, Ontario M5H 2L7 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24233** (13) A1

(21) PCT/US98/23699

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/968,946 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/078,962 (32) **14 May/mai 1998 (14.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 43/30, B32B 5/12, 31/20**

(54) • STEAM PRE–HEATING IN ORIENTED STRAND BOARD PRODUCTION
• PRECHAUFFAGE A LA VAPEUR DANS LA FABRICATION DE PANNEAUX A COPEAUX ORIENTES

(71) **J. M. HUBER CORPORATION** [US/US]; 333 Thornall Street, Edison, NJ 08818 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PALARDY, Robert, D.** [US/US]; P.O. Box 640, Commerce, GA 30529 (US). **CARLSON, Brian, S.** [US/US]; 1661 Oconee Crossing Circle, Watkinsville, GA 30677 (US).

(74) **NIEVES, Carlos** et al. / etc.; J. M. Huber Corporation, 333 Thornall Street, Edison, NJ 08818 (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).

---

(11) **WO 99/24234** (13) A1

(21) PCT/JP98/04483

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) ja (26) ja

(31) 9/325481 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 45/02, 45/26**

(54) • A METHOD FOR MANUFACTURING PRECISION–MOLDED PARTS
• PROCEDE DE FABRICATION DE PIECES MOULEES DE PRECISION

(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) **HONJO, Makoto** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP). **HONMA, Toshihiko** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP). **SHIOTA, Tetsuo** [JP/JP]; Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya–cho, Sakae–ku, Yokohama–shi, Kanagawa 244–8588 (JP).

(74) **JODAI, Tetsuji** et al. / etc.; Sumitomo Electric Industries, Ltd., 1–3, Shimaya 1–chome, Konohana–ku, Osaka–shi, Osaka 554–0024 (JP).

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

---

(11) **WO 99/24235** (13) A1

(21) PCT/EP98/07037

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 50 057.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 45/68**

(54) • MOLD CLOSURE UNIT FOR AN INJECTION MOLDING MACHINE
• UNITE DE FERMETURE DE MOULE POUR MACHINE DE MOULAGE PAR INJECTION

(71, 72) **HEHL, Karl** [DE/DE]; Arthur–Hehl–Strasse 32, D–72290 Lossburg (DE).

(74) **REINHARDT, Harry** et al. / etc.; Mayer, Frank, Reinhardt, Schwarzwaldstrasse 1A, D–75173 Pforzheim (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)*

---

(11) **WO 99/24236** (13) A1

(21) PCT/US98/19502

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) en (26) en

(31) 08/966,272 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 47/00, 47/60, 47/62, 47/66**

(54) • SCREW EXTRUDER WITH VARIOUS DISPERSIVE MIXING ELEMENTS
• EXTRUDEUSE A VIS COMPORTANT DIVERS ELEMENTS MELANGEURS DISPERSIFS

(71) **RAUWENDAAL EXTRUSION ENGINEERING, INC.** [US/US]; 12693 Roble Veneno Lane, Los Altos Hills, CA 94022–2619 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAUWENDAAL, Chris, J.** [US/US]; 12693 Roble Veneno Lane, Los Altos Hills, CA 94022–2619 (US).

(74) **HUGHES, Michael, J.** et al. / etc.; Intellectual Property Law Office of Michael J. Hughes, Suite 295, 1171 Homestead Road, Santa Clara, CA 95050 (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).

---

(11) **WO 99/24237** (13) A1

(21) PCT/GB98/03323

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 97/9987 (32) **6 Nov/nov 1997 (06.11.1997)** (33) ZA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 51/14, B32B 31/20 // B29K 33:04**

(54) • METHOD OF MAKING AN ACRYLIC ARTICLE
• PROCEDE DE FABRICATION D'UN ARTICLE EN ACRYLIQUE

(71) **AECI LIMITED** [ZA/ZA]; 1st floor, AECI Place, 24 The Woodlands, Woodlands Drive, Woodmead, Sandton 2128 (ZA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TINKER, Paul** [GB/ZA]; 4 Eves Road, Mulbarton, Johannesburg 2059 (ZA).

(74) **W.P. THOMPSON & CO.**; Coopers Building, Church Street, Liverpool L1 3AB (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

(11) **WO 99/24238** (13) A1

(21) PCT/EP98/06853

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 49 121.9 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 55/02, B05D 1/34**

(54) • METHOD AND DEVICE FOR PRODUCING A COATED SHEET OF FILM
• PROCEDE ET DISPOSITIF POUR PRODUIRE UNE BANDE DE FILM REVETUE

(71) **BRÜCKNER MASCHINENBAU GMBH** [DE/DE]; Königsberger Strasse 5–7, D–83313 Siegsdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KURTH, Hans–Peter** [DE/DE]; Erlstätter Strasse 17, D–83377 Vachendorf (DE).

(74) **FLACH, Dieter**; Prinzregentenstrasse 24, D–83022 Rosenheim (DE) et al. / etc.

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

---

(11) **WO 99/24239** (13) A1

(21) PCT/US98/24049

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,579 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/081,537 (32) **19 May/mai 1998 (19.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 65/52, G11B 7/26, B32B 31/28, 7/12**

(54) • SYSTEM AND METHOD FOR DISTRIBUTING A RESIN DISPOSED BETWEEN A TOP SUBSTRATE AND A BOTTOM SUBSTRATE
• SYSTEME ET PROCEDE POUR REPARTIR UNE RESINE APPLIQUEE ENTRE UN SUBSTRAT SUPERIEUR ET UN SUBSTRAT INFERIEUR

(71) **FIRST LIGHT TECHNOLOGY, INC.** [US/US]; 77 Industrial Park Drive, P.O. Box 70, Saco, ME 04072 (US).

(72) **PAULUS, Joseph, W.**; 904 Washington Avenue, Portland, ME 04103 (US). **CARDORETTE, Michael, L.**; 4 New Road Circle, Lyman, ME 04002 (US). **LeBLANC, Arthur, R., III**; 10 Alewive Farm Road, Kennebunk, ME 04043 (US). **PARENT, Scott, R.**; 1 Kimberly Drive, Saco, ME 04072 (US). **WHITESIDE, Peter, A.**; 146 West Grand Avenue, Old Orchard Beach, ME 04072 (US). **RAMANATHAN, Elangovan**; 367 Gorham Road, Scarborough, ME 04074 (US).

(74) **DICHIARA, Peter, M.** et al. / etc.; Hale and Dorr LLP, 60 State Street, Boston, MA 02109 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24240** (13) A1

(21) PCT/US98/24042

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,579 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/081,116 (32) **19 May/mai 1998 (19.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 65/54, B32B 7/12, 31/28, G11B 7/26**

(54) • SYSTEM AND METHOD FOR DISPENSING A RESIN BETWEEN SUBSTRATES OF A BONDED STORAGE DISK
• SYSTEME ET PROCEDE POUR APPLIQUER UNE RESINE ENTRE LES SUBSTRATS D'UN DISQUE SUPPORT D'INFORMATIONS CONTRECOLLE

(71) **FIRST LIGHT TECHNOLOGY, INC.** [US/US]; 77 Industrial Drive, P.O. Box 70, Saco, ME 04072 (US).

(72) **ROSSIGNOL, Brian, C.**; 14 Linwood Road, Freeport, ME 04032 (US). **PAULUS, Joseph, W.**; 904 Washington Avenue, Portland, ME 04103 (US). **LeBLANC, Arthur, W., III**; 10 Alewive Farm Road, Kennebunk, ME 04043 (US). **RAMANATHAN, Elangovan**; 367 Corham Road, Scarborough, ME 04074 (US).

(74) **DICHIARA, Peter, M.** et al. / etc.; Hale and Dorr LLP, 60 State Street, Boston, MA 02109 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24241** (13) A1

(21) PCT/JP98/05024

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/308597 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29C 67/00**

(54) • OPTICAL FORMATION DEVICE AND METHOD
• DISPOSITIF ET PROCEDE DE FORMATION OPTIQUE

(71) **NTT DATA CORPORATION** [JP/JP]; 3–3, Toyosu 3–chome, Koto–ku, Tokyo 135–6033 (JP). **THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH** [JP/JP]; 2–1, Hirosawa, Wako–shi, Saitama 351–0198 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARAI, Mahito** [JP/JP]; NTT Data Corporation, 3–3, Toyosu 3–chome, Koto–ku, Tokyo 135–6033 (JP). **NIINO, Toshiki** [JP/JP]; The Institute of Physical and Chemical Research, 2–1, Hirosawa, Wako–shi, Saitama 351–0198 (JP). **NAKAGAWA, Takeo** [JP/JP]; The Institute of Physical and Chemical Research, 2–1, Hirosawa, Wako–shi, Saitama 351–0198 (JP).

(74) **KAMIMURA, Teruyuki**; 8–3–702, Kotobashi 1–chome, Sumida–ku, Tokyo 130–0022 (JP).

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

---

(11) **WO 99/24242** (13) A1

(21) PCT/US98/23581

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,482 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 09/161,369 (32) **28 Sep/sep 1998 (28.09.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29D 9/00, C08L 51/06, 23/08, 25/10, B32B 7/12**

(54) • MULTICOMPONENT STRUCTURES HAVING IMPROVED ADHESION
• STRUCTURES MULTICOMPOSANT A POUVOIR D'ADHESION ACCRU

(71) **ALLIEDSIGNAL INC.** [US/US]; 101 Culumbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).

(72) **TSAI, Mingliang, Lawrence**; 7 Barbara Drive, Holmdel, NJ 07733 (US).

(74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc. Law Dept. (R. Fels), 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24243** (13) A1

(21) PCT/US98/24044

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,237 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29D 11/00**

(54) • IMPROVED METHOD OF MAKING A FINISHED MULTI–COATED AND/OR LAMINATED EYEGLASS LENS
• PROCEDE AMELIORE DE FABRICATION D'UNE LENTILLE OCULAIRE STRATIFIEE ET/OU MULTICOUCHE FINIE

(71) **CHRYSALIS DEVELOPMENT COMPANY, LLC.** [US/US]; 45 North Industry Drive, Deerpark, NY 11729 (US).

(72) **GRESHES, Martin**; 70 Corey Lane, East Meadow, NY 11729 (US).

(74) **MARZULLO, Henry, A., Jr.**; Lackenbach Siegel Marzullo Aronson & Greenspan, P.C., One Chase Road, Scarsdale, NY 10583 (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).

---

(11) **WO 99/24244** (13) A1

(21) PCT/JP98/05052

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/306977 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B29D 30/44**

(54) • APPARATUS AND METHOD FOR ALIGNING AND SPLICING STRIP MEMBERS
• APPAREIL ET PROCEDE POUR ALIGNER ET JONCTIONNER DES ELEMENTS SOUS FORME DE BANDE

(71) **THE YOKOHAMA RUBBER CO., LTD.** [JP/JP]; 36–11, Shimbashi 5–chome, Minato–ku, Tokyo 105–0004 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OKADA, Noboru** [JP/JP]; The Yokohama Rubber Co., Ltd. Hiratsuka Factory, 2–1, Oiwake, Hiratsuka–shi, Kanagawa–ken 254–0047 (JP). **HASEGAWA, Haruhisa** [JP/JP]; The Yokohama Rubber Co., Ltd. Hiratsuka Factory, 2–1, Oiwake, Hiratsuka–shi, Kanagawa–ken 254–0047 (JP).

(74) **OGAWA, Shin–ichi** et al. / etc.; Ogawa, Noguchi & Saika International Patent Office, Halifax Shiba Building, 3–10, Shiba–Koen 1–chome, Minato–ku, Tokyo 105–0011 (JP).

(81) JP KR US; EP (DE FR GB IT NL).

---

(11) **WO 99/24245** (13) A1

(21) PCT/FR98/02369

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/13963 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B31B 3/32, 3/28**

(54) • METHOD AND MACHINE WITH ROTATING MANDREL FOR FORMING THE VOLUME OF BOXES OR THE LIKE FROM A FLAT FIBREBOARD BLANK
• PROCEDE ET MACHINE A BARILLET POUR LA MISE EN VOLUME DE CAISSES OU ANALOGUE A PARTIR D'UNE DECOUPE A PLAT EN CARTON

(71, 72) **SERRE, Jean–Claude** [FR/FR]; 8,rue André–Malraux, F–21000 Dijon (FR).

(74) **GUIU, Claude**; Cabinet Claude Guiu, 10, rue Paul Thénard, F–21000 Dijon (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24246** (13) A1

(21) PCT/FR98/02368

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/13965 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B31B 17/00, 7/00, B65D 5/50**

(54) • METHOD AND MACHINE WITH ROTATING MANDREL FOR FORMING THE VOLUME OF A DRUM–SHAPED BOX PROVIDED WITH A RETRACTABLE FILM FROM FIBREBOARD BLANKS
• PROCEDE ET MACHINE A BARILLET POUR LA MISE EN VOLUME D'UNE CAISSE TAMBOUR MUNIE D'UN FILM RETRACTABLE A PARTIR DE DECOUPES EN CARTON

(71, 72) **SERRE, Jean–Claude** [FR/FR]; 8, rue André Malraux, F–21000 Dijon (FR).

(74) **GUIU, Claude**; Cabinet Claude Guiu, 10, rue Paul Thénard, F–21000 Dijon (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24247** (13) A1

(21) PCT/FR98/02370

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/13964 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B31B 17/00**

(54) • METHOD AND MACHINE WITH ROTATING MANDREL FOR FORMING THE VOLUME OF DRUM–SHAPED BOXES OR THE LIKE FROM FIBREBOARD BLANKS
• PROCEDE ET MACHINE A BARILLET POUR LA MISE EN VOLUME DE CAISSES TAMBOUR OU ANALOGUE A PARTIR DE DECOUPES EN CARTON

(71, 72) **SERRE, Jean–Claude** [FR/FR]; 8, rue André Malraux, F–21000 Dijon (FR).

(74) **GUIU, Claude**; Cabinet Claude Guiu, 10, rue Paul Thénard, F–21000 Dijon (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24248** (13) A1

(21) PCT/GB98/03381

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723678.0 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B31F 1/22**

(54) • CORRUGATED BOARD MANUFACTURE
• FABRICATION DE CARTON ONDULE

(71) **MOLINS PLC** [GB/GB]; 11 Tanners Drive, Blakelands, Milton Keynes MK14 5LU (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CAHILL, Michael, John** [GB/GB]; Westwood Business Park, 13 Westwood Way, Coventry CV4 8HS (GB). **SEAWARD, David, Robert** [GB/GB]; Westwood Business Park, 13 Westwood Way, Coventry CV4 8HS (GB). **STEMBRIDGE, James, Robert** [GB/GB]; Westwood Business Park, 13 Westwood Way, Coventry CV4 8HS (GB). **WHITLOCK, Peter, John** [GB/GB]; Westwood Business Park, 13 Westwood Way, Coventry CV4 8HS (GB).

(74) **WEBB, John, Charles** et al. / etc.; Molins plc, Haw Lane, Saunderton, High Wycombe, Bucks. HP14 4JE (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24249** (13) A1

(21) PCT/US98/23926

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,068 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B31F 1/28**

(54) • CORRUGATED PAPERBOARD MANUFACTURING APPARATUS AND METHOD FOR ENHANCING HEAT TRANSFER TO AN ADVANCING CORRUGATED PAPERBOARD SHEET
• APPAREIL DE PRODUCTION DE CARTON ONDULE ET PROCEDE D'AMELIORATION DU TRANSFERT THERMIQUE VERS UNE FEUILLE DE CARTON ONDULE AVANÇANTE

(63) US 08/967,068 (CON) 10 Nov/nov 1997 (10.11.1997)

(71) **INTERFIC, INC.** [US/US]; 191 Gibson Court, P.O. Box 950, Dallas, NC 28034 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SISSONS, Anthony, J.** [US/US]; 1528 Prancer Lane, Gastonia, NC 28056 (US). **THOMAS, David, Alan** [US/US]; 1801 N. Morrison Street, Appleton, WI 54911 (US).

(74) **WARTHER, Richard, K.**; Allen Dyer Doppelt Milbrath & Gilchrist, P.A., Suite 1401, 255 S. Orange Avenue, Orlando, FL 32801 (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).

---

(11) **WO 99/24250** (13) A1

(21) PCT/US98/23221

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/968,667 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 3/06, B42D 15/02**

(54) • STATIC CLING GREETING CARD
• CARTE DE VOEUX A COLLEMENT ELECTROSTATIQUE

(71, 72) **MCGUINESS, Robert, G.** [US/US]; 637 Humboldt Street, Eureka, CA 95501 (US).

(74) **DE LEON, Josefino, P.**; Shlesinger, Arkwright & Garvey LLP, 3000 South Eads Street, Arlington, VA 22202 (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).

---

(11) **WO 99/24251** (13) A1

(21) PCT/JP98/01535

(22) **2 Apr/avr 1998 (02.04.1998)**

(25) ja (26) ja

(31) 9/305372 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(31) 10/7514 (32) **19 Jan/jan 1998 (19.01.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 3/20, 5/28, B29C 67/14, 47/30, B29K 105/20**

(54) • FIBER–REINFORCED COMPOSITE HOLLOW STRUCTURE, METHOD FOR PRODUCTION THEREOF, AND APPARTUS THEREFOR
• STRUCTURE CREUSE EN COMPOSITE RENFORCE DE FIBRES, PROCEDE DE PRODUCTION DE CELLE–CI ET APPAREIL UTILE A CET EFFET

(71) **UBE–NITTO KASEI CO., LTD.** [JP/JP]; 1–7, Higashi–Nihonbashi 1–chome, Chuo–ku, Tokyo 103–0004 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WATANABE, Toru** [JP/JP]; Ube–Nitto Kasei Co., Ltd. Gifu Research Laboratory, 2–1–1, Yabutanishi, Gifu–shi, Gifu 500–8386 (JP). **MATSUNO, Shigehiro** [JP/JP]; Ube–Nitto Kasei Co., Ltd. Gifu Research Laboratory, 2–1–1, Yabutanishi, Gifu–shi, Gifu 500–8386 (JP). **KONDO, Naoyuki** [JP/JP]; Ube–Nitto Kasei Co., Ltd. Gifu Research Laboratory, 2–1–1, Yabutanishi, Gifu–shi, Gifu 500–8386 (JP). **HOSHINO, Takayuki** [JP/JP]; Ube–Nitto Kasei Co., Ltd. Gifu Research Laboratory, 2–1–1, Yabutanishi, Gifu–shi, Gifu 500–8386 (JP). **NOMURA, Hidenori** [JP/JP]; Ube–Nitto Kasei Co., Ltd. Gifu Research Laboratory, 2–1–1, Yabutanishi, Gifu–shi, Gifu 500–8386 (JP).

(74) **ISSHIKI, Kensuke** et al. / etc.; Rookin–Shinbashi Building 3F, 12–7, Shinbashi 2–chome, Minato–ku, Tokyo 105–0004 (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).

---

(11) **WO 99/24252** (13) A1

(21) PCT/US98/24023

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,485 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 5/12, 31/00, B65H 81/00**

(54) • MATRIX MATERIAL CONTAINING SHEET MEMBER FOR USE IN MAKING COMPOSITE LAMINATES
• MATERIAU MATRICIEL RENFERMANT UN ELEMENT FEUILLE UTILISABLE DANS LA FABRICATION DE STRATIFIES COMPOSITES

(71) **COMPOSITECH LTD.** [US/US]; 120 Ricefield Lane, Hauppauge, NY 11788–2071 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MEDNEY, Jonas** [US/US]; 120 Ricefield Lane, Hauppauge, NY 11788 (US).

(74) **FANUCCI, Allan, A.** et al. / etc.; Pennie & Edmonds LLP, 1155 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24253** (13) A1

(21) PCT/JP98/04981

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) ja (26) ja

(31) 9/322247 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(31) 9/322248 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 15/08, 27/00**

(54) • METALLIC PLATE OR RESIN STRUCTURE HAVING PHOTOCATALYST–SUPPORTING FILM LAMINATED THERETO
• STRUCTURE EN RESINE OU PLAQUE METALLIQUE SUR LAQUELLE EST PLAQUE UN FILM DE SUPPORT DE PHOTOCATALYSEUR

(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) **KIMURA, Nobuo** [JP/JP]; R & D Laboratory For Specialty Chemicals, Nippon Soda Co., Ltd., 12–54, Goiminamikaigan, Ichihara–shi, Chiba 290–0045 (JP). **FUKAYAMA, Shigemichi** [JP/JP]; 3777–6, Tomitsuka–cho, Hamamatsu–shi, Shizuoka 432–8002 (JP). **ONO, Kazuo** [JP/JP]; R & D Laboratory For Specialty Chemicals, Nippon Soda Co., Ltd., 12–54, Goiminamikaigan, Ichihara–shi, Chiba 290–0045 (JP). **KATAOKA, Masayuki** [JP/JP]; Nippon Soda Co., Ltd., 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–8165 (JP). **OKABE, Kazuji** [JP/JP]; Nisso Jushi Co., Ltd., 1274, Isohara, Isohara–cho, Kitaibaraki–shi, Ibaraki 319–1541 (JP). **KOMODA, Yoshiharu** [JP/JP]; Nisso Jushi Co., Ltd., 1274, Isohara, Isohara–cho, Kitaibaraki–shi, Ibaraki 319–1541 (JP).

(74) **TOKAI, Yusaku**; Nippon Soda Co., Ltd., 2–1, Ohtemachi 2–chome, Chiyoda–ku, Tokyo 100–8165 (JP).

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

---

(11) **WO 99/24254** (13) A1

(21) PCT/US98/22876

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 08/961,680 (32) **31 Oct/oct 1997 (31.10.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 15/14, 15/20, B23K 1/19**

(54) • ALUMINUM COMPOSITE
• COMPOSITE D'ALUMINIUM

(71, 72) **BRIAN, Joseph, E.** [US/US]; 18 Lynwood Avenue, Wheeling, WV 26003 (US).

(74) **JACKSON, Auzville, Jr.**; 8652 Rio Grande Road, Richmond, VA 23229 (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 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 GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

---

(11) **WO 99/24255** (13) A1

(21) PCT/US98/24167

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/977,968 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 17/10, C08K 3/10, 5/09**

(54) • COMPOSITION FOR COATING GLASS SHEETS
• COMPOSITION DE REVETEMENT DE FEUILLES DE VERRE

(71, 72) **PAGANO, Carmine, Anthony** [US/US]; 106 Bradley Avenue, White Plains, NY 10607 (US).

(74) **KILGANNON, William, F.**; Kilgannon & Steidl, Suite 200, 2001 Jefferson Davis Highway, Arlington, VA 22202 (US).

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

---

(11) **WO 99/24256** (13) A1

(21) PCT/US98/23573

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,474 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 09/138,376 (32) **24 Aug/août 1998 (24.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 27/30, B29D 9/00, C08L 51/06, 23/08, 25/10, B32B 27/36**

(54) • MULTILAYERED HALOPOLYMER POLY(ALKYLENE NAPHTHALATE) FILMS WITH UV BLOCKING CHARACTERISTICS
• FILMS MULTICOUCHE EN POLY(ALKYLENE NAPHTHALATE) HALOPOLYMERE ARRETANT LES ULTRAVIOLETS

(71) **ALLIEDSIGNAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).

(72) **TSAI, Mingliang, Lawrence**; 7 Barbara Drive, Holmdel, NJ 07733 (US).

(74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc., Law Dept. (Attn: R. Fels), 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24257** (13) A1

(21) PCT/US98/23237

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,629 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 31/10, 31/18**

(54) • LAMINATING AND ADHESIVE TRANSFER APPARATUS WITH AN EXIT TRAY
• MACHINE A PLASTIFIER ET A TRANSFERT PAR ADHESIF MUNI D'UN PLATEAU DE SORTIE

(71) **XYRON, INC.** [US/US]; 14698 North 78th Way, Scottsdale, AZ 85269 (US).

(72) **PAQUE, Michael, W.**; 4905 E. Ranco Tierra Drive, Cave Creek, AZ 85331 (US).

(74) **LIPPITT, Raymond, F.** et al. / etc.; Pillsbury Madison & Sutro, LLP, 1100 New York Avenue, N.W., Washington, DC 20005 (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).

---

(11) **WO 99/24258** (13) A1

(21) PCT/US98/24106

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,579 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/081,154 (32) **19 May/mai 1998 (19.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 31/28, G11B 7/26, B32B 7/12, B29C 65/48**

(54) • SYSTEM AND METHOD FOR CURING A RESIN DISPOSED BETWEEN A TOP AND BOTTOM SUBSTRATE WITH THERMAL MANAGEMENT
• SYSTEME ET PROCEDE POUR REALISER LE DURCISSEMENT D'UNE RESINE PLACEE ENTRE UN SUBSTRAT SUPERIEUR ET UN SUBSTRAT INFERIEUR AVEC GESTION DE L'ENERGIE THERMIQUE

(71) **FIRST LIGHT TECHNOLOGY, INC.** [US/US]; 77 Industrial Drive, P.O. Box 70, Saco, ME 04072 (US).

(72) **PARENT, Scott, R.**; 1 Kimberly Drive, Saco, ME 04072 (US). **THIBAULT, Thomas, M.**; 182 Bradley Street, Saco, ME 04072 (US). **PARENT, Donald, G.**; 11 Stone Brook Road, Windham, ME 04062 (US).

(74) **DICHIARA, Peter, M.** et al. / etc.; Hale & Dorr LLP, 60 State Street, Boston, MA 02109 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24259** (13) A1

(21) PCT/US98/24111

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,579 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/081,153 (32) **19 May/mai 1998 (19.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B32B 31/28, G11B 7/26, B32B 7/12, B29C 65/48**

(54) • SYSTEM AND METHOD FOR THERMALLY MANIPULATING A COMBINATION OF A TOP AND BOTTOM SUBSTRATE BEFORE A CURING OPERATION
• SYSTEME ET PROCEDE DE MANIPULATION THERMIQUE D'UN ENSEMBLE COMBINE FAIT D'UN SUBSTRAT SUPERIEUR ET D'UN SUBSTRAT INFERIEUR AVANT UNE OPERATION DE DURCISSEMENT

(71) **FIRST LIGHT TECHNOLOGY, INC.** [US/US]; 77 Industrial Park Drive, P.O. Box 70, Saco, ME 040472 (US).

(72) **PAULUS, Joseph, W.**; 904 Washington Avenue, Portland, ME 04103 (US). **LIGHT, Kendrick, H.**; 131 Cottage Road, Windham, ME 04062 (US). **PARENT, Scott, R.**; 1 Kimberly Drive, Saco, ME 04072 (US). **PARENT, Donald, G.**; 11 Stone Brook Road, Windham, ME 04062 (US). **RAMANATHAM, Elangovan**; 367 Gorham Road, Scarborough, ME 04074 (US).

(74) **DICHIARA, Peter, M.** et al. / etc.; Hale and Dorr LLP, 60 State Street, Boston, MA 02109 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24260** (13) A1

(21) PCT/US98/19707

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) en (26) en

(31) 60/059,253 (32) **18 Sep/sep 1997 (18.09.1997)** (33) US

(31) 08/937,658 (32) **24 Sep/sep 1997 (24.09.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B41F 13/44, 31/30**

(54) • VARIABLE REPEAT PLATE AND BLANKET ROLLS
• PLAQUE D'IMPRESSION A REPETITION ET CYLINDRES DE BLANCHET REGLABLES

(63) US 60/059,253 (CIP) 18 Sep/sep 1997 (18.09.1997)

(71) **DELAWARE CAPITAL FORMATION, INC.** [US/US]; Suite 102, 1403 Foulk Road, Wilmington, DE 19803 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BUNNELL, Dale, Leon** [US/US]; 14620 Pine Orchard Court, Chesterfield, MO 63017 (US). **TEETER, Gary, Wilson** [US/US]; 4320 Kensington Manor Drive, St. Louis, MO 63128 (US).

(74) **ELLIS, William, T.** et al. / etc.; Foley & Lardner, Suite 500, 3000 K Street, N.W., Washington, DC 20007–5109 (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 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).

---

(11) **WO 99/24261** (13) A1

(21) PCT/US98/23882

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/967,394 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B41F 23/04, F27B 3/30**

(54) • INFRARED DRYER SYSTEM FOR PRINTING PRESSES
• SYSTEME SECHEUR A INFRAROUGES POUR PRESSES A IMPRIMER

(71) **OXY–DRY CORPORATION** [US/US]; 1331 West Hamilton Parkway, Itasca, IL 60143 (US).

(72) **REED, Thimothy, R.**; 6321 MacArthur Drive, Woodridge, IL 60517 (US). **MEYER, William, J.**; 21W 567 Park Avenue, Lombard, IL 60148 (US). **VAN EPPS, Michael**; 949 Lake Street, Oak Park, IL 60301 (US). **HERMANN, Dennis**; Apartment 102, 445 Jonathon Drive, Palatine, IL 60067 (US).

(74) **SCHLEMMER, Dennis, R.** et al. / etc.; Leydig, Voit & Mayer, Ltd., Two Prudential Plaza, Suite 4900, 180 North Stetson, Chicago, IL 60601–6780 (US).

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

---

(11) **WO 99/24262** (13) A2

(21) PCT/EP98/07170

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 645.8 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B41J**

(54) • METHOD AND CONTROL FOR CONVEYING A STRIPLIKE RECORDING MEDIUM WITH MARGINAL PERFORATION IN A PRINTER

- PROCEDE ET COMMANDE POUR LE TRANSPORT D'UN SUPPORT D'ENREGISTREMENT EN FORME DE BANDE A PERFORATION MARGINALE DANS UNE IMPRIMANTE

(71) **OCE PRINTING SYSTEMS GMBH** [DE/DE]; Siemensallee 2, D–85586 Poing (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOFMANN, Holger** [DE/DE]; Merianstrasse 5, D–80637 München (DE).

(74) **SCHAUMBURG, Karl–Heinz** et al. / etc.; Postfach 86 07 48, D–81634 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).

---

(11) **WO 99/24263** (13) A1

(21) PCT/EP98/07171

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 656.3 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B41J 11/46, G03G 15/00, B41F 13/02**

(54)
- METHOD AND DEVICE FOR CONVEYING A PRE–PRINTED STRIPLIKE RECORDING MEDIUM IN A PRINTING DEVICE
- PROCEDE ET DISPOSITIF POUR TRANSPORTER UN SUPPORT D'ENREGISTREMENT EN FORME DE BANDE PRE–IMPRIME DANS UNE IMPRIMANTE

(71) **OCE PRINTING SYSTEMS GMBH** [DE/DE]; Siemensallee 2, D–85586 Poing (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GIBISCH, Herbert** [DE/DE]; Denninger Strasse 138, D–81297 München (DE). **KEIL, Wolfram** [DE/DE]; Münchener Strasse 21 a, D–85643 Steinhöring (DE). **HOFMANN, Holger** [DE/DE]; Merianstrasse 5, D–80637 München (DE). **WINDHAGER, Alex** [DE/DE]; Föhrenweg 16, D–84544 Aschau (DE).

(74) **SCHAUMBURG, Karl–Heinz** et al. / etc.; Postfach 86 07 48, D–81634 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)*

---

(11) **WO 99/24264** (13) A1

(21) PCT/EP98/07172

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 596.6 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B41J 11/46, 15/06**

(54)
- METHOD AND DEVICE FOR PAGE BY PAGE CONVEYANCE OF A PRE–PRINTED STRIPLIKE RECORDING MEDIUM IN A PRINTER
- PROCEDE ET DISPOSITIF DE TRANSPORT PAGE PAR PAGE D'UN SUPPORT D'IMPRESSION PREIMPRIME SOUS FORME DE BANDE DANS UNE IMPRIMANTE

(71) **OCÉ PRINTING SYSTEMS GMBH** [DE/DE]; Siemensallee 2, D–85586 Poing (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRODL, Herbert** [DE/DE]; Hochfellnstrasse 8, D–85586 Poing (DE). **STÜRZER, Anton** [DE/DE]; Bgm.–Saissreiner–Strasse 2, D–85567 Grafing (DE). **HOFMANN, Holger** [DE/DE]; Merianstrasse 5, D–80637 München (DE).

(74) **SCHAUMBURG, Karl–Heinz** et al. / etc.; Postfach 86 07 48, D–81634 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).

---

(11) **WO 99/24265** (13) A1

(21) PCT/EP98/06431

(22) **10 Oct/oct 1998 (10.10.1998)**

(25) de (26) de

(31) 197 49 789.6 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B42D 15/10**

(54)
- SECURITY FEATURE FOR A SECURITY DOCUMENT OR DOCUMENT OF VALUE WITH A FRACTAL LAMINATE SYSTEM
- ELEMENT DE SECURITE DESTINE A UN DOCUMENT DE VALEUR OU A UN DOCUMENT DE SECURITE, COMPORTANT UN SYSTEME DE LAMELLES FRACTALES

(71) **BUNDESDRUCKEREI GMBH** [DE/DE]; Oranienstrasse 91, D–10948 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAUGSTADT, Ralf** [DE/DE]; Anklamer Strasse 22, D–10115 Berlin (DE).

(74) **RIEBLING, Peter**; Postfach 31 60, D–88113 Lindau (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24266** (13) A1

(21) PCT/JP98/04684

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) ja (26) ja

(31) 9/319175 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B43K 1/08, 7/12, 24/08, 25/02**

(54)
- BALL–POINT PEN
- CRAYON A BILLE

(71) **MITSUBISHI PENCIL KABUSHIKI KAISHA** [JP/JP]; 23–37, Higashi Ohi 5–chome, Shinagawa–ku, Tokyo 140–8537 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FURUKAWA, Kazuhiko** [JP/JP]; 260–718, Shonan Southern, 3504, Miyayama, Samukawa–cho, Kouza–gun, Kanagawa 253–0106 (JP).

(74) **FUJIMOTO, Hiromitsu** et al. / etc.; Fujimoto Patent & Law Office, Room 317, Sanno Grand Building 3F, 14–2, Nagata–cho 2–chome, Chiyoda–ku, Tokyo 100–0014 (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 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).

Published / Publiée : *(a)*

---

(11) **WO 99/24267** (13) A1

(21) PCT/AU98/00787

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) en (26) en

(31) PP 0273 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B44F 1/12, B42D 15/10 // 117:00**

(54)
- TAMPER–EVIDENT FORM FOR SECURELY CARRYING INFORMATION
- SUPPORT D'INFORMATION INVIOLABLE

(71) **DOCUMOTION RESEARCH, INC.** [US/US]; Suite 509, 110 W. 9th Street, Wilmington, DE 19801 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHEGGETMAN, Bernard, Willem, Wim** [AU/AU]; 16 Huelin Circuit, Flynn, ACT 2615 (AU). **CASAGRANDE, Chuck** [US/US]; 1067 Kingsland Drive, Batavia, IL 60510 (US). **VAN BOOM, Joel, Bryan** [US/US]; 2020 S. Eastwood, Santa Ana, CA 92705 (US).

(74) **PIZZEYS PATENT & TRADEMARK ATTORNEYS**; P.O. Box 291, Woden, ACT 2606 (AU).

(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).

---

(11) **WO 99/24268** (13) A1

(21) PCT/GB98/03344

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9724311.7 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(31) 9727312.2 (32) **29 Dec/déc 1997 (29.12.1997)** (33) GB

(31) 9802566.1 (32) **7 Feb/fév 1998 (07.02.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60B 33/02**

(54)
- CASTOR
- ROULETTE

(71) **REAL CONCEPT DESIGN LIMITED** [GB/GB]; Monaghan House, Clarendon Street, Hyde, Cheshire SK14 2EP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HART, Reginald, James** [GB/GB]; 105 Buxton Old Road, Disley, Cheshire SK12 2BN (GB).

(74) **McNEIGHT, David, Leslie** 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/24269** (13) A1

(21) PCT/EP98/06798

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) fr (26) fr

(31) 97/14011 (32) **5 Nov/nov 1997 (05.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60C 9/22, 9/18, 9/20**

(54) • CROWN PLY REINFORCEMENT FOR HEAVY VEHICLE TYRE
• ARMATURE DE SOMMET POUR PNEUMATIQUE "POIDS–LOURDS"

(71) **COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN – MICHELIN & CIE** [FR/FR]; 12, cours Sablon, F–63040 Clermont–Ferrand Cedex 09 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CLUZEL, Guy** [FR/FR]; 30, rue de la Châtaigneraie, F–63110 Beaumont (FR).

(74) **DEVAUX, Edmond–Yves**; Michelin & Cie, Service SGD/LG/PI–LAD, F–63040 Clermont–Ferrand Cedex 09 (FR).

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

---

(11) **WO 99/24270** (13) A1

(21) PCT/EP98/06799

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) fr (26) fr

(31) 97/14010 (32) **5 Nov/nov 1997 (05.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60C 9/22**

(54) • TYRE CROWN PLY REINFORCEMENT
• ARMATURE DE SOMMET DE PNEUMATIQUE

(71) **COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN – MICHELIN & CIE** [FR/FR]; 12, Cours Sablon, F–63040 Clermont–Ferrand Cedex 09 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CORDONNIER, François–Jacques** [FR/FR]; 53, rue de Durtol, F–63100 Clermont–Ferrand (FR).

(74) **DEVAUX, Edmond–Yves**; Michelin & Cie, Service SGD/LG/PI–LAD, F–63040 Clermont–Ferrand Cedex 09 (FR).

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

---

(11) **WO 99/24271** (13) A1

(21) PCT/GB98/03322

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723528.7 (32) **6 Nov/nov 1997 (06.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60C 13/00, 11/00, 13/02**

(54) • TYRES
• PNEUMATIQUES

(71, 72) **SWEETMAN, Alex, Raymond** [IE/GB]; 16 Wardsall Way, Colchester, Essex CO4 5WQ (GB). **FAHEY, Kevin** [IE/IE]; 85 Windmill Road, Crunlaw, Dublin 12 (IE).

(74) **MOLYNEAUX, Martyn, W.**; Langner Parry, 52–54 High Holborn, London WC1V 6RR (GB).

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

---

(11) **WO 99/24272** (13) A1

(21) PCT/FR98/02363

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/14134 (32) **12 Nov/nov 1997 (12.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60F 3/00**

(54) • AMPHIBIOUS CROSS–COUNTRY VEHICLE IN TWO ARTICULATED PARTS, WHEREOF THE FRONT IS THE STEERING PART
• VEHICULE TOUT TERRAIN AMPHIBIE EN DEUX PARTIES ARTICULEES, DONT LA PARTIE AVANT EST LE PILOTE

(71, 72) **FRANCATEL, Claude** [FR/FR]; 13, rue de Lille, F–75007 Paris (FR).

(74) **DEJOUX, André**; 33, rue de Fontarabie, F–75020 Paris (FR).

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

---

(11) **WO 99/24273** (13) A1

(21) PCT/GB98/03351

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723631.9 (32) **10 Nov/nov 1997 (10.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60F 3/00**

(54) • AMPHIBIOUS VEHICLES
• VEHICULES AMPHIBIES

(71) **BARRAVORE LIMITED** [GB/GB]; Ridgeway House, Ridgeway Street, Douglas, P.O. Box 181, Isle of Man (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAKER, David, Paul** [GB/GB]; 218 Malyons Road, Ladywell, London SE13 7XF (GB).

(74) **MAGUIRE, Boss**; 5 Crown Street, St. Ives, Cambridgeshire PE17 4EB (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24274** (13) A1

(21) PCT/US98/21926

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 08/968,351 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60G 17/00**

(54) • ACTIVE SUSPENSION SYSTEM FOR A WORK VEHICLE HAVING ADJUSTABLE PERFORMANCE PARAMETERS
• SYSTEME DE SUSPENSION ACTIF POUR VEHICULE DE TRAVAIL AYANT DES PARAMETRES DE PERFORMANCE REGLABLES

(71) **CASE CORPORATION** [US/US]; 700 State Street, Racine, WI 53404 (US).

(72) **SCHUBERT, William, L.**; 7 Eighth Street, Downers Grover, IL 60515 (US). **SCHMITZ, Geoffrey**; 413 LaSalle Street, Wausau, WI 54403 (US).

(74) **VOGEL, Peter, J.** et al. / etc.; Foley & Lardner, 777 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

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

---

(11) **WO 99/24275** (13) A1

(21) PCT/EP97/06178

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60H 1/00, B60N 2/44**

(54) • AIR CONDITIONABLE VEHICLE SEAT
• SIEGE DE VEHICULE CLIMATISABLE

(71) **WEBASTO THERMOSYSTEME GMBH** [DE/DE]; Kraillinger Strasse 5, D–82131 Stockdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KORTÜM, Franz–Josef** [DE/DE]; Holzmannstrasse 10, D–85276 Pfaffenhofen (DE). **KEMPTER, Michael** [DE/DE]; Antonienstrasse 1, D–80802 München (DE). **HAMMERSCHMID, Günther** [DE/DE]; Ludwig–Thoma–Weg 17, D–82065 Buchenhain (DE).

(74) **WIESE, Gerhard**; Kraillinger Strasse 5, D–82131 Stockdorf (DE).

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

---

(11) **WO 99/24276** (13) A1

(21) PCT/EP98/07050

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 48 826.9 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60H 1/00, G01J 1/04**

(54) • SOLAR ALTITUDE DETECTOR
• DETECTEUR DE LA HAUTEUR DU SOLEIL

(71) **LEOPOLD KOSTAL GMBH & CO. KG** [DE/DE]; Wiesenstrasse 47, D–58507 Lüdenscheid (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLÄSING, Frank** [DE/DE]; Kurze Strasse 15, D–59457 Werl (DE).

(74) **SCHRÖTER, Martin** et al. / etc.; Schröter & Haverkamp, Im Tückwinkel 22, D–58636 Iserlohn (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24277** (13) A1

(21) PCT/US98/23847

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 60/066,041 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60H 3/00**

(54) • METHOD AND REACTOR CELL FOR THE PHOTOOXIDATION OF GASES
• CELLULE DE REACTEUR DESTINEE A LA PHOTOOXYDATION DE GAZ ET PROCEDE ASSOCIE

(71) **THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA** [US/US]; 1000 Asp Avenue, Norman, OK 73019 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NEWMAN, Gerard, K.** [US/US]; 4607 Heritage Place Drive, Oklahoma City, OK 73072 (US). **HARWELL, Jeffrey, H.** [US/US]; 2327 Lindenwood, Norman, OK 73071 (US). **LOBBAN, Lance** [US/US]; 804 Morningside Drive, Norman, OK 73071 (US).

(74) **PALMER, John** et al. / etc.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036–5679 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24278** (13) A1

(21) PCT/DE98/03252

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 48 970.2 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60J 5/04**

(54) • INTEGRAL INSIDE DOOR REINFORCEMENT
• RENFORCEMENT INTERIEUR INTEGRE DE PORTIERE

(71, 72) **WEBER, Norbert** [DE/DE]; Rennbahn 9–11, D–52062 Aachen (DE).

(74) **EICHLER, Peter** et al. / etc.; Brahmsstrasse 29, D–42289 Wuppertal (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24279** (13) A1

(21) PCT/EP98/07032

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 297 20 053.4 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60J 10/00**

(54) • SEALING CONNECTING ELEMENT, SEALING END PIECE AND A SEAL
• ELEMENT D'ASSEMBLAGE DE JOINT, EMBOUT DE JOINT ET JOINT

(71) **METEOR GUMMIWERKE K. H. BÄDJE GMBH & CO.** [DE/DE]; Ernst–Deger–Strasse 9, D–31167 Bockenem (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BORMANN, Josef** [DE/DE]; Brinkstrasse 9, D–31177 Harsum (DE). **WEDDERKOPF, Gero** [DE/DE]; Ernst–Abbe–Strasse 40, D–31141 Hildesheim (DE).

(74) **SKORA, Michael** et al. / etc.; Kosel, Sobisch & Skora, Odastrasse 4a, D–37581 Bad Gandersheim (DE).

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

---

(11) **WO 99/24280** (13) A1

(21) PCT/FR98/02403

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) fr (26) fr

(31) 97/14174 (32) **12 Nov/nov 1997 (12.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60K 6/04**

(54) • MOTOR VEHICLE WITH DUAL ENGINE SYSTEM
• VEHICULE AUTOMOBILE A MOTORISATION HYBRIDE

(71) **RENAULT** [FR/FR]; 34, quai du Point du Jour, F–92109 Boulogne Billancourt Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BORGEAUD, Yves** [FR/FR]; 24, rue de Mussel Burgh, F–95500 Champigny sur Marne (FR). **CAILLARD, Benoît** [FR/FR]; 69, boulevard Desgranges, F–92330 Sceaux (FR). **HEMEDINGER, Stéphane** [FR/FR]; 32, rue Juliette Savar, F–94000 Créteil (FR). **PANNEQUIN, William** [FR/FR]; 46, avenue de Buzenval, F–92500 Rueil Malmaison (FR).

(74) **ROUGEMONT, Bernard**; Renault, Service 0267 – TPZ 0J2 110, 860, quai de Stalingrad, F–92109 Boulogne Billancourt Cedex (FR).

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

---

(11) **WO 99/24281** (13) A1

(21) PCT/SE98/01978

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) sv (26) en

(31) 9704155–2 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60K 20/04, G05G 1/04**

(54) • GEARCHANGE MECHANISM IN A VEHICLE
• DISPOSITIF DE LEVIER DE CHANGEMENT DE VITESSE DE VEHICULE

(71) **SCANIA CV AKTIEBOLAG (publ)** [SE/SE]; S–151 87 Södertälje (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SJÖSTRÖM, Staffan** [SE/SE]; Malmtorpsvägen 32, S–147 71 Grödinge (SE). **MILLER, Lars** [SE/SE]; Eknäs Gård, S–151 92 Södertälje (SE). **MELANDER, Ingemar** [SE/SE]; Hallen, S–565 93 Mullsjö (SE). **NORD, Claes–Göran** [SE/SE]; Hasselgatan 11, S–565 33 Mullsjö (SE).

(74) **FORSELL, Hans**; Scania CV AB, Patents, S–151 87 Södertälje (SE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24282** (13) A1

(21) PCT/US98/23893

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/968,389 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60K 35/00, 37/06**

(54) • DRIVER DISPLAY WITH HIGHLIGHTED IMAGES
• AFFICHEUR D'IMAGES EN SURBRILLANCE POUR CONDUCTEUR

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(72) **PATIL, Ravi**; 6609 Weathersfield Way, Canton, MI 48187 (US).

(74) **TEITELBAUM, Ozer, M., N.**; 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)*

---

(11) **WO 99/24283** (13) A1

(21) PCT/FR97/02003

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) fr (26) fr

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60L 7/18**

(54) • REGENERATIVE BRAKING METHOD FOR ELECTRIC VEHICLE
• PROCEDE DE FREINAGE RECUPERATIF D'UN VEHICULE ELECTRIQUE

(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) **MALLEDANT, Gilbert** [FR/FR]; 19, allée des Carreaux, F–95120 Ermont (FR). **PAPAZIAN, Jean–Charles** [FR/FR]; 12, rue des Jardins, F–38220 Vizille (FR).

(74) **MOINEAU, Guy**; Renault, Sce 0267 – TPZ – OJ2 1 10, 860, quai de Stalingrad, F–92109 Boulogne–Billancourt (FR).

(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 SL TR TT UA US UZ VN YU; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24284** (13) A1

(21) PCT/EP98/07024

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 48 911.7 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60M 3/04, B60L 13/00**

(54) • LINEAR ACTUATING SYSTEM
• SYSTEME D'ENTRAINEMENT LINEAIRE

(71) **INTRASYS GMBH INNOVATIVE TRANSPORT–SYSTEME** [DE/DE]; Gollierstrasse 70/C, D–80339 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROSNER, Peter** [DE/DE]; Schmied–Kochel–Strasse 16, D–81371 München (DE).

(74) **WEICKMANN, H.** et al. / etc.; Kopernikusstrasse 9, D–81679 München (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)*

---

(11) **WO 99/24285** (13) A1

(21) PCT/US98/24140

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,115 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60N 2/00, B60R 21/00**

(54) • A METHOD AND SYSTEM FOR DETERMINING WEIGHT AND POSITION OF A VEHICLE SEAT OCCUPANT
• PROCEDE ET SYSTEME DE DETERMINATION DU POIDS ET DE LA POSITION D'UN OCCUPANT DE SIEGE DE VEHICULE

(71) **SIEMENS AUTOMOTIVE CORPORATION** [US/US]; 2400 Executive Hills Drive, Auburn Hills, MI 48326–2980 (US).

(72) **OESTREICHER, Ralf**; 4035 Three Oaks Boulevard, Troy, MI 48098 (US). **HOMANN, Michelle**; 3695 Eaton Gat Lane, Auburn Hills, MI 48326 (US). **MORELL, Scott**; 4594 Spring Ridge Drive, Whitelake Township, MI 48383 (US). **REICH, Dan**; 15642 Lor Way, Clinton Township, MI 48038 (US).

(74) **KIEL, Paul** et al. / etc.; Siemens Corporation, Intellectual Property Dept., 186 Wood Avenue South, Iselin, NJ 08830 (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); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

---

(11) **WO 99/24286** (13) A1

(21) PCT/SE98/01979

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) sv (26) en

(31) 9704156–0 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SE

(31) 9801277–6 (32) **9 Apr/avr 1998 (09.04.1998)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60N 2/08**

(54) • DEVICE FOR ADJUSTMENT OF A VEHICLE SEAT AND A BASE FRAME FOR A VEHICLE SEAT
• DISPOSITIF DE REGLAGE D'UN SIEGE DE VEHICULE ET CADRE DE BASE DESTINE A CE SIEGE

(71) **SCANIA CV AKTIEBOLAG (publ)** [SE/SE]; S–151 87 Södertälje (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SJÖSTRÖM, Staffan** [SE/SE]; Malmtorpsvägen 32, S–147 71 Grödinge (SE). **JONSSON, Stefan** [SE/SE]; Myntstigen 11, S–151 48 Södertälje (SE). **LESTANDER, Sten–Erik** [SE/SE]; Nyponvägen 12, S–647 30 Mariefred (SE).

(74) **HOLMBORN, Erland**; Scania CV AB, Patents, S–151 87 Södertälje (SE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24287** (13) A1

(21) PCT/GB98/03318

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723565.9 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60P 7/13, G01G 19/08, B65D 90/00**

(54) • SECURING MECHANISM
• MECANISME DE FIXATION

(71, 72) **SHEWARD, Philip** [GB/GB]; 58 Tine Road, Chigwell, Essex IG7 4HN (GB).

(74) **LAWRENCE, Malcolm, Graham** et al. / etc.; Hepworth Lawrence Bryer & Bizley, Merlin House, Falconry Court, Bakers Lane, Epping, Essex CM16 5DQ (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24288** (13) A1

(21) PCT/IB98/01770

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) it (26) en

(31) MI97A002479 (32) **6 Nov/nov 1997 (06.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60Q 1/14, F21M 3/26**

(54) • ANTIDAZZLE POLARIZED LIGHTING SYSTEM FOR VEHICLES
• SYSTEME D'ECLAIRAGE POLARISE ANTI–EBLOUISSANT POUR VEHICULE AUTOMOBILE

(71) **LENOCI, Antonio** [IT/IT]; Via Bolzano, 86, I–74016 Massafra (IT).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **RIPOLI, Nicola** [IT/IT]; Via Aristosseno, 7, I–74016 Massafra (IT).

(74) **FAGGIONI, Giovanmaria** et al. / etc.; Fumero Studio Consulenza Brevetti, Via S. Agnese, 12, I–20123 Milano (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24289** (13) A1

(21) PCT/GB98/03330

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723569.1 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60R 1/06**

(54) • REAR–VIEW MIRROR APPARATUS FOR A ROAD VEHICLE
• APPAREIL POUR RETROVISEUR DE VEHICULE ROUTIER

(71, 72) **STANDEN, John, Paul** [GB/GB]; 39 Fraser Close, Daventry, Northants NN11 5HD (GB). **STANDON, Christopher, Allan** [GB/GB]; 39 Kenilworth Avenue, Harold Park, Romford, Essex RM3 9NE (GB).

(74) **LOVEN, Keith, James**; Loven and Co., Quantum House, 30 Tentercroft Street, Lincoln LN5 7DB (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24290** (13) A1

(21) PCT/US98/20812

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 08/968,930 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60R 13/08, G10K 11/168, B60R 13/02, B32B 5/18**

(54) • VIBRATION DAMPENING LAMINATE
• STRATIFIE ANTIVIBRATIONS

(71) **COLLINS & AIKMAN PRODUCTS CO.** [US/US]; P.O. Box 32665, Charlotte, NC 28232 (US).

(72) **TODD, John**; 37730 Wendy Lee Drive, Farmington Hills, MI 48331 (US). **BOYD, Robert, S.**; 2240 State Road, Hillsdale, MI 49242 (US). **CARE, Melvyn, J.**; 93 Fenwick Court, Kitchenor, Ontario N2M 5E8 (CA).

(74) **SAJOVEC, F., Michael** 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 IS JP KE KG KP KR KZ 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 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).

---

(11) **WO 99/24291** (13) A1

(21) PCT/DE98/03326

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 855.8 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60R 21/00**

(54) • METHOD FOR DETERMINING THE DISTANCE BETWEEN A PERSON WEARING A SEAT BELT AND AN AIRBAG UNIT, AND RELATED DEVICE FOR MEASURING THE UNWINDING OF THE SEAT BELT
• PROCEDE PERMETTANT DE DETERMINER LA DISTANCE SEPARANT UNE PERSONNE AYANT MIS SA CEINTURE DE SECURITE D'UNE UNITE AIRBAG; ET DISPOSITIF DE MESURE DU DEROULEMENT DE LA CEINTURE DESTINE A CE PROCEDE

(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, Hans–Peter** [DE/DE]; Haaggasse 2, D–93047 Regensburg (DE). **SWART, Marten** [DE/DE]; Albrecht–Altdorfer–Ring 70, D–93083 Obertraubling (DE). **POPP, Peter** [DE/DE]; Speerweg 12, D–93049 Regensburg (DE). **DIRMEYER, Josef** [DE/DE]; Waldstrasse 9, D–92439 Bodenwöhr (DE). **FRISCH, Markus** [DE/DE]; Bayernwerk 26 A, D–92421 Schwandorf (DE). **SCHMIDT, Harald** [DE/DE]; Augustenstrasse 19, D–93049 Regensburg (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24292** (13) A1

(21) PCT/DE98/03271

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 58 498.5 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60R 21/02**

(54) • RETAINER DEVICE WITH SHOULDER ARRESTER FOR TRANSPORT SYSTEMS
• DISPOSITIF DE RETENUE AVEC ENSEMBLE RETENANT LES EPAULES POUR MOYENS DE TRANSPORT

(71, 72) **GO, Giok, Djien** [DE/DE]; Pfahlgrabenstrasse 45, D–65510 Idstein (DE).

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

Published / Publiée : *(a)*

---

(11) **WO 99/24293** (13) A1

(21) PCT/DE98/02980

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) de (26) de

(31) 197 49 856.6 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60R 21/32**

(54) • PROCESS AND IGNITION CIRCUIT FOR TRIGGERING A PASSENGER PROTECTION SYSTEM
• METHODE ET CIRCUIT D'ALLUMAGE POUR LE DECLENCHEMENT D'UN SYSTEME DE PROTECTION DE PASSAGERS

(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) **HERMANN, Stefan** [DE/DE]; Parkstrasse 12, D–93096 Köfering (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24294** (13) A2

(21) PCT/DE98/03270

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 780.2 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60R 22/02, 22/04, 22/18, B60N 2/42, B64D 25/06**

(54) • RESTRAINT SYSTEM IN VEHICLES, TRAINS AND AIRCRAFT FOR INCREASING PASSENGER SAFETY
• SYSTEME DE RETENUE SERVANT A AUGMENTER LA SECURITE DES PASSAGERS D'UN VEHICULE AUTOMOBILE, D'UN TRAIN OU D'UN AVION

(71, 72) **GO, Giok, Djien** [DE/DE]; Pfahlgrabenstrasse 45, D–65510 Idstein (DE).

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

---

(11) **WO 99/24295** (13) A1

(21) PCT/EP98/07114

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 297 20 102.6 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60R 22/24**

(54) • DEFLECTION ASSEMBLY FOR A MOTOR VEHICLE SEAT BELT
• FERRURE DE DEVIATION POUR CEINTURE DE SECURITE DE VEHICULE

(71) **TRW OCCUPANT RESTRAINT SYSTEMS GMBH & CO. KG** [DE/DE]; Industriestrasse 20, D–73551 Alfdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MÖNDEL, Karl** [DE/DE]; Alemannenstrasse 43, D–73529 Schwäbisch Gmünd (DE).

(74) **STIES, Jochen**; Prinz & Partner, Manzingerweg 7, D–81241 München (DE).

(81) BR DE 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)*

---

(11) **WO 99/24296** (13) A1

(21) PCT/IB97/01411

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60R 25/04**

(54) • METHOD OF AND APPARATUS FOR MOTOR VEHICLE SECURITY ASSURANCE EMPLOYING VOICE RECOGNITION CONTROL OF VEHICLE OPERATION
• PROCEDE ET APPAREIL ASSURANT LA SECURITE D'UN VEHICULE A MOTEUR ET EMPLOYANT UNE COMMANDE DE FONCTIONNEMENT DE VEHICULE A RECONNAISSANCE VOCALE

(71) **LOJACK CORPORATION INC.** [US/US]; 333 Elm Street, Dedham, MA 02026 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUVALL, William, Robert** [US/US]; 67 Bowditch Road, Sudbury, MA 02026 (US).

(74) **RINES, Robert, Harvey**; MacLeod & Co., Bledington Grounds, Bledington, Gloucestershire OX7 6XL (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 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 US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24297** (13) A1

(21) PCT/EP98/06940

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 258.4 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60S 1/08**

(54) • CONTROL DEVICE FOR A WINDSCREEN WIPER SYSTEM
• SYSTEME DE COMMANDE POUR ESSUIE–GLACE

(71) **DAIMLER–BENZ AKTIENGESELLSCHAFT** [DE/DE]; Epplestrasse 225, D–70567 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MÄCKEL, Rainer** [DE/DE]; Ittenbacher Strasse 18, D–53639 Königswinter (DE). **MAUSER, Roland** [DE/DE]; Häusinger Weg 24, D–71640 Ludwigsburg (DE).

(74) **MAUTE, Hans–Jürgen**; Daimler–Benz Aktiengesellschaft, Intellectual Property Management, Postfach 35 35, D–74025 Heilbronn (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)*

---

(11) **WO 99/24298** (13) A1

(21) PCT/US98/23766

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,064 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60T 7/00, 13/74**

(54) • INTEGRATED TRAIN ELECTRICAL AND PNEUMATIC BRAKES
• FREINS ELECTROPNEUMATIQUES INTEGRES POUR TRAINS

(71) **NEW YORK AIR BRAKE CORPORATION** [US/US]; 748 Starbuck Avenue, Watertown, NY 13601 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROOT, Kevin, B.** [US/US]; R.D. #1, Box 136, Black River, NY 13612 (US). **MCLAUGHLIN, Bryan, M.** [US/US]; 727 Cadwell Street, Watertown, NY 13601 (US). **STEVENS, Dale, R.** [US/US]; 16347 Fuller Road, Adams Center, NY 13606 (US). **ALLEN, John, J.** [US/US]; 25750 NYS Route 12, Watertown, NY 13601 (US).

(74) **PALAN, Perry**; Barnes & Thornburg, Suite 500, 1401 Eye Street, N.W., Washington, DC 20005 (US).

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

---

(11) **WO 99/24299** (13) A1

(21) PCT/SE98/01986

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 9704070–3 (32) **7 Nov/nov 1997 (07.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60T 8/00, 8/34, 8/58**

(54) • BRAKE TORQUE REGULATION FOR VEHICLES
• REGULATION DU COUPLE DE FREINAGE D'UN VEHICULE

(71) **AB VOLVO LASTVAGNAR** [SE/SE]; S–405 08 Göteborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANGERFORS, Dan** [SE/SE]; Nolås Anders vägen 21, S–448 31 Floda (SE).

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

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

---

(11) **WO 99/24300** (13) A1

(21) PCT/EP98/06801

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) de (26) de

(31) 197 49 048.4 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(31) 198 12 554.2 (32) **21 Mar/mar 1998 (21.03.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B60T 8/26**

(54) • METHOD FOR CONTROLLING BRAKE–PRESSURE CHARACTERISTICS IN THE REAR WHEEL BRAKES OF A MOTOR VEHICLE BRAKE SYSTEM WITH ELECTRONIC REGULATION OF BRAKE POWER DISTRIBUTION
• PROCEDE POUR REGULER LES CARACTERISTIQUES DE PRESSION DE FREINAGE DANS LES FREINS DE ROUES ARRIERE D'UN SYSTEME DE FREINAGE DE VEHICULE A REGULATION ELECTRONIQUE DE LA REPARTITION DE LA PRESSION DE FREINAGE

(71) **CONTINENTAL TEVES AG & CO. OHG** [DE/DE]; Guerickestrasse 7, D–60488 Frankfurt (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZENZEN, Markus** [DE/DE]; Parkstrasse 27, D–65795 Hattersheim 2 (DE). **KNAPP, Thomas** [DE/DE]; Spessartstrasse 58a, D–63791 Karlstein (DE). **BAUER, Thomas** [DE/DE]; Brautrockstrasse 19, D–56859 Bullay (DE).

(74) **CONTINENTAL TEVES AG & CO. OHG**; Guerickestrasse 7, D–60488 Frankfurt (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)*

---

(11) **WO 99/24301** (13) A1

(21) PCT/GB98/03357

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723562.6 (32) **10 Nov/nov 1997 (10.11.1997)** (33) GB

(31) 9819025.9 (32) **1 Sep/sep 1998 (01.09.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B61D 3/18, 3/20**

(54) • RAIL FREIGHT VEHICLE
• VEHICULE FERROVIAIRE DE FRET

(71) **BABCOCK ROSYTH INDUSTRIES LTD.** [GB/GB]; Rosyth Royal Dockyard, Fife KY11 2YD (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ORD, Robert, Malcolm** [GB/GB]; Woodbury, Oak End Way, Woodham, Surrey KT15 3DX (GB).

(74) **BAIN SMITH, Timothy** et al. / etc.; Raworth, Moss & Cook, Raworth House, 36 Sydenham Road, Croydon, Surrey CR0 2EF (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24302** (13) A1

(21) PCT/EP98/06730

(22) **23 Oct/oct 1998 (23.10.1998)**

(25) de (26) de

(31) 197 49 519.2 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B61D 17/04, 17/08, B62D 31/02**

(54) • WALL MODULE AND METHOD FOR PRODUCING THE SAME
• MODULE PAROI ET SON PROCEDE DE FABRICATION

(71) **ABB DAIMLER–BENZ TRANSPORTATION (TECHNOLOGY) GMBH** [DE/DE]; Saatwinkler Damm 43, D–13627 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BANHARDT, Volker** [DE/DE]; Nibelungenstrasse 32, D–64625 Bensheim (DE). **HOLZAPFEL, Wolfgang** [DE/DE]; Geschwister–Scholl–Platz 14, D–90552 Röthenbach (DE). **PROCKAT, Jan** [DE/DE]; Odernheimer Strasse 75, D–12559 Berlin (DE). **RISTOW, Lutz** [DE/DE]; Trivastrasse 5, D–80637 München (DE).

(74) **BREITER, Achim**; Daimler–Benz AG – IPM, Sedanstrasse 10/Geb. 17, D–89077 Ulm (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).

Published / Publiée : *(c)*

(11) **WO 99/24303** (13) A1

(21) PCT/GB98/03359

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723562.6 (32) **10 Nov/nov 1997 (10.11.1997)** (33) GB

(31) 9819028.3 (32) **1 Sep/sep 1998 (01.09.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B61D 45/00**

(54) • FIFTH WHEEL ARRANGEMENT FOR RAIL FREIGHT VEHICLE
• DISPOSITIF DE SELLETTE D'ATTELAGE VEHICULE FERROVIAIRE DE FRET

(71) **BABCOCK ROSYTH INDUSTRIES LTD.** [GB/GB]; Rosyth Royal Dockyard, Fife KY11 2YD (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ORD, Robert, Malcolm** [GB/GB]; Woodbury, Oak End Way, Woodham, Surrey KT15 3DX (GB).

(74) **BAIN SMITH, Timothy** et al. / etc.; Raworth, Moss & Cook, Raworth House, 36 Sydenham Road, Croydon, Surrey CR0 2EF (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24304** (13) A1

(21) PCT/EP98/06886

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 48 732.7 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(31) 198 19 094.8 (32) **29 Apr/avr 1998 (29.04.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B61F 3/12, B61D 3/10, 3/12, B61C 3/00**

(54) • RAIL VEHICLE SYSTEM
• SYSTEME DE VEHICULE SUR RAIL

(71) **ABB DAIMLER–BENZ TRANSPORTATION (TECHNOLOGY) GMBH** [DE/DE]; Saatwinkler Damm 43, D–13627 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAIER, Michael** [DE/DE]; Sankt–Ingberter–Strasse 2, D–68309 Mannheim (DE).

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

(81) AU JP KR NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24305** (13) A1

(21) PCT/DE98/03211

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 49 970.8 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B62D 1/19, B60T 7/06, B60R 21/09**

(54) • OCCUPANT PROTECTION DEVICE FOR THE DRIVER'S SEAT OF A MOTOR VEHICLE
• DISPOSITIF DE PROTECTION POUR LE SIEGE CONDUCTEUR D'UN VEHICULE AUTOMOBILE

(71) **PETRI AG** [DE/DE]; Bahnweg 1, D–63743 Aschaffenburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAMM, Martin** [DE/DE]; Nimrodstrasse 5, D–13469 Berlin (DE).

(74) **MAIKOWSKI & NINNEMANN**; Xantener Strasse 10, D–10707 Berlin (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24306** (13) A1

(21) PCT/EP98/06931

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 49 274.6 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B62D 3/12**

(54) • RACK–AND–PINION STEERING GEAR
• MECANISME DE DIRECTION A CREMAILLERE

(71) **ZF FRIEDRICHSHAFEN AG** [DE/DE]; D–88038 Friedrichshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SOMMER, Rudolf** [DE/DE]; Kolomanstrasse 41, D–73527 Schwäbisch Gmünd (DE).

(74) **ZF FRIEDRICHSHAFEN AG**; D–88038 Friedrichshafen (DE).

(81) 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)*

---

(11) **WO 99/24307** (13) A1

(21) PCT/JP98/04991

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/329603 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B62D 6/00, B60T 5/58, B60K 28/00**

(54) • A STEERING DEVICE FOR VEHICLES
• LEVIER DE DIRECTION POUR VEHICULES

(71) **KOYO SEIKO CO., LTD.** [JP/JP]; 5–8, Minamisemba 3–chome, Chuo–ku, Osaka–shi, Osaka 542–8502 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKANO, Shiro** [JP/JP]; Koyo Seiko Co., Ltd., 5–8, Minamisemba 3–chome, Chuo–ku, Osaka–shi, Osaka 542–8502 (JP). **NISHIZAKI, Katsutoshi** [JP/JP]; Koyo Seiko Co., Ltd., 5–8, Minamisemba 3–chome, Chuo–ku, Osaka–shi, Osaka 542–8502 (JP). **SEGAWA, Masaya** [JP/JP]; Koyo Seiko Co., Ltd., 5–8, Minamisemba 3–chome, Chuo–ku, Osaka–shi, Osaka 542–8502 (JP). **MAEDA, Naoki** [JP/JP]; Koyo Seiko Co., Ltd., 5–8, Minamisemba 3–chome, Chuo–ku, Osaka–shi, Osaka 542–8502 (JP). **TAKAMATSU, Takanobu** [JP/JP]; Koyo Seiko Co., Ltd., 5–8, Minamisemba 3–chome, Chuo–ku, Osaka–shi, Osaka 542–8502 (JP).

(74) **NEMOTO, Susumu**; Nemoto International Patent Office, Tenmahachikenya Building, 4th floor, 2–12, Kitahamahigashi, Chuo–ku, Osaka–shi, Osaka 540–0031 (JP).

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

---

(11) **WO 99/24308** (13) A1

(21) PCT/NL98/00650

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) nl (26) en

(31) 1007532 (32) **12 Nov/nov 1997 (12.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B62D 9/02, B62K 21/10, B62D 61/08**

(54) • TILTING VEHICLE
• VEHICULE BASCULANT

(71) **BRINKS WESTMAAS B.V.** [NL/NL]; Grote Riethure 10, NL–3273 LC Westmaas (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VAN DEN BRINK, Christopher, Ralph** [NL/NL]; A. van Lierstraat 2 + 2a, NL–3297 AA Puttershoek (NL). **KROONEN, Hendrik, Marinus** [NL/NL]; Kapitein Horsmanflat 45, NL–3333 CL Zwijndrecht (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL–2502 LS 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24309** (13) A1

(21) PCT/US98/21918

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 08/969,147 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B62D 24/04, 33/06, 33/10, B60G 17/015**

(54) • CONTROL OF AN ACTIVE SUSPENSION SYSTEM FOR A WORK VEHICLE BASED UPON A PARAMETER OF ANOTHER VEHICLE SYSTEM
• COMMANDE D'UN SYSTEME ACTIF DE SUSPENSION DE VEHICULE DE TRAVAIL BASEE SUR UN PARAMETRE D'UN AUTRE SYSTEME DE VEHICULE

(71) **CASE CORPORATION** [US/US]; 700 State Street, Racine, WI 53404 (US).

(72) **SCHUBERT, William, L.**; 7 Eighth Street, Downers Grover, IL 60515 (US).

(74) **VOGEL, Peter, J.** et al. / etc.; Foley & Lardner, 777 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

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

---

(11) **WO 99/24310** (13) A1

(21) PCT/MX98/00050

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) es (26) es

(31) 978574 (32) **7 Nov/nov 1997 (07.11.1997)** (33) MX

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B62D 33/06**

(54) • IMPROVED STRUCTURE FOR A CABIN OF THE CAB–OVER–ENGINE TYPE, FOR MEDIUM TRUCKS AS WELL AS LARGE TRUCKS
• STRUCTURE AMELIOREE DE CABINE AVANCEE POUR CAMIONS MOYENS ET TRACTEURS ROUTIERS

(71) **CONSORCIO G GRUPO DINA, S.A. DE C.V.** [MX/MX]; Tlacoquemécatl 41–6° piso, Colonia Del Valle, Mexico, D.F. 03100 (MX).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MONDRAGON SARMIENTO, Francisco** [MX/MX]; Garzas 48, Colonia Arboledas, Atizapan de Zaragoza, México 52967 (MX). **MIRANDA GUERRERO, Roberto** [MX/MX]; Mar del Néctar 17, Colonia Ciudad Brisas, Naucalpan de Juárez, México 53280 (MX). **ESPINOSA RUIZ, Alejandro** [MX/MX]; Froylan 86, Colonia Morales, Pachuca, Hidalgo 42040 (MX). **GONZALEZ GUADARRAMA, Carlos** [MX/MX]; 2a. Cda. 2 de Abril 50/207, Colonia Rinconada de Atizapan, Atizapan de Zaragoza, México 52967 (MX).

(74) **GONZALEZ BERLANGA, Héctor**; Avenida Irrigación 49–1, Colonia Irrigación–Polanco, Delegación Miguel Hidalgo, México, D.F. 11510 (MX).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24311** (13) A1

(21) PCT/US98/22045

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 08/968,928 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B62D 33/077**

(54) • ACTIVE SUSPENSION SYSTEM FOR A WORK VEHICLE
• SYSTEME DE SUSPENSION ACTIF POUR VEHICULE DE TRAVAIL

(71) **CASE CORPORATION** [US/US]; 700 State Street, Racine, WI 53404 (US).

(72) **SCHUBERT, William, L.**; 7 Eighth Street, Downers Grover, IL 60515 (US). **SCHMITZ, Geoffrey, W.**; 413 LaSalle Street, Wausau, WI 54403 (US).

(74) **VOGEL, Peter, J.** et al. / etc.; Foley & Lardner, 777 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

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

---

(11) **WO 99/24312** (13) A1

(21) PCT/US98/21927

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 08/968,065 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B62D 33/10**

(54) • COORDINATED CONTROL OF AN ACTIVE SUSPENSION SYSTEM
• COMMANDE COORDONNEE D'UN SYSTEME DE SUSPENSION ACTIF

(71) **CASE CORPORATION** [US/US]; 700 State Street, Racine, WI 53404 (US).

(72) **SCHUBERT, William, L.**; 7 Eighth Street, Downers Grover, IL 60515 (US).

(74) **VOGEL, Peter, J.** et al. / etc.; Foley & Lardner, 777 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

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

---

(11) **WO 99/24313** (13) A1

(21) PCT/BR98/00018

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

(25) en (26) en

(31) PI 9705431–3 (32) **6 Nov/nov 1997 (06.11.1997)** (33) BR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B63B 21/50, 3/38**

(54) • PASSIVE STABILIZER FOR FLOATING PETROLEUM–PRODUCTION SYSTEMS
• STABILISATEUR PASSIF POUR SYSTEMES FLOTTANTS DE PRODUCTION PETROLIERE

(71) **PETRÓLEO BRASILEIRO S.A. – PETROBRÁS** [BR/BR]; Avenida República do Chile, 65, Rio de Janeiro, RJ (BR).

(72) **FERNANDES, Antonio, Carlos**; Rio de Janeiro, RJ (BR). **DA JUSTA ALBANO DE ARATANHA, Maurício**; Rio de Janeiro, RJ (BR). **SÁ CORREIA DA SILVA, Sylvio, Henrique**; Niterói, RJ (BR).

(81) AL AM AT AU AZ BA BB BG 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).

---

(11) **WO 99/24314** (13) A1

(21) PCT/US98/23235

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,162 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/187,732 (32) **9 Nov/nov 1998 (09.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B63C 9/08**

(54) • INFLATABLE TRANSPORTABLE WATER CRAFT FOR SURVIVAL OR RECREATIONAL APPLICATIONS
• EMBARCATION PNEUMATIQUE TRANSPORTABLE

(71, 72) **YONOVER, Robert, N.** [US/US]; Suite 602, 219 Koko Isle Circle, Honolulu, HI 96825 (US).

(74) **DE LEON, Josefino, P.**; Shlesinger, Arkwright & Garvey LLP, 3000 South Eads Street, Arlington, VA 22202 (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).

---

(11) **WO 99/24315** (13) A2

(21) PCT/US98/23494

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,685 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B64C**

(54) • PARTIALLY BUOYANT AERIAL VEHICLE
• VEHICULE AERIEN A FLOTTAISON PARTIELLE

(71) **LOCKHEED MARTIN CORPORATION** [US/US]; 1011 Lockheed Way, Palmdale, CA 93599–2191 (US).

(72) **GLASGOW, Edsel, R.**; 1525 Irving Avenue, Glendale, CA 91201 (US). **CARICHNER, Grant, E.**; 25694 Dorade Drive, Valencia, CA 91355 (US).

(74) **SCHRUHL, Robert**; Lockheed Martin Corporation, 1011 Lockheed Way, Palmdale, CA 93599–2191 (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).

---

(11) **WO 99/24316** (13) A1

(21) PCT/AT98/00271

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) A 1903/97 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B64C 1/10**

(54) • PRESSURE FRAME DESIGNED IN PARTICULAR FOR AN AIRCRAFT
• CADRE DE PRESSION DESTINE NOTAMMENT A UN AVION

(71) **FISCHER ADVANCED COMPOSITE COMPONENTS GESELLSCHAFT MBH** [AT/AT]; Fischerstrasse 9, A–4910 Ried im Innkreis (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STEPHAN, Walter** [AT/AT]; Diesseits 91, A–4973 St. Martin (AT). **FILSEGGER, Hermann** [AT/AT]; Schillerstrasse 23, A–4910 Ried im Innkreis (AT).

(74) **KÖHLER–PAVLIK, Johann**; Margaretenplatz 5, A–1050 Wien (AT).

(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).

---

(11) **WO 99/24317** (13) A1

(21) PCT/FR98/02399

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) fr (26) fr

(31) 97/14160 (32) **12 Nov/nov 1997 (12.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B64C 13/16, 9/12, G05D 1/02**

(54) • METHOD FOR CONTROLLING AN AEROPLANE CONTROL SURFACES TO COUNTER GROUND LATERAL DRIFT
• PROCEDE DE COMMANDE DES GOUVERNES D'UN AVION POUR AGIR CONTRE UNE DEVIATION LATERALE DE TRAJECTOIRE AU SOL

(71) **AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE** [FR/FR]; 37, boulevard de Montmorency, F–75781 Paris Cedex 16 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MATHIEU, Gérard** [FR/FR]; 13, rue René Cassin, F–31820 Pibrac (FR).

(74) **SOCIETE DE PROTECTION DES INVENTIONS**; 25, rue de Ponthieu, F–75008 Paris (FR).

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

---

(11) **WO 99/24318** (13) A1

(21) PCT/US98/23796

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 08/967,437 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B64D 13/06**

(54) • TWO SPOOL ENVIRONMENTAL CONTROL SYSTEM
• SYSTEME DE CONDITIONNEMENT D'AIR COMPORTANT DEUX CORPS

(71) **ALLIEDSIGNAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).

(72) **MURRY, Roger, P.**; 618 W. 38th Street, San Pedro, CA 90731 (US). **CLARKE, Kathrine, J.**; 600 Monterey Boulevard #1, Hermosa Beach, CA 90254 (US). **MATULICH, Dan, S.**; 5017 Range Horse Lane, Rolling Hills Estates, CA 90274 (US).

(74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc., Law Dept. (A. Olinger), 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (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)*

---

(11) **WO 99/24319** (13) A1

(21) PCT/DE98/03316

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 936.8 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B64D 17/00, B64C 31/028**

(54) • LIFT SYSTEM INTENDED FOR FREE–FALLING PERSONS
• SYSTEME DE PORTANCE DESTINE A DES PERSONNES EN CHUTE LIBRE

(71, 72) **GEISSLER, Alban** [DE/DE]; Rheinallee 33, D–55294 Bodenheim (DE).

(81) AU CZ PL 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)*

---

(11) **WO 99/24320** (13) A1

(21) PCT/FR98/02371

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/13966 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B64D 27/26**

(54) • DEVICE FOR LOCKING AN ENGINE ON AN AIRCRAFT
• DISPOSITIF D'ACCROCHAGE D'UN MOTEUR SUR UN AERONEF

(71) **AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE** [FR/FR]; 37, boulevard de Montmorency, F–75781 Paris Cedex 16 (FR).

(72) **LE BLAYE, Sébastien**; 27, route de Villematier, F–31620 Villaudric (FR). **CANADAS, Marc**; 6, rue Emile Barrière, F–31200 Toulouse (FR).

(74) **SOCIETE DE PROTECTION DES INVENTIONS**; 25, rue de Ponthieu, F–75008 Paris (FR).

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

---

(11) **WO 99/24321** (13) A1

(21) PCT/IB98/01779

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) BO97A000663 (32) **7 Nov/nov 1997 (07.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65B 3/02, 43/10, B65D 85/74**

(54) • PACKAGE FOR SOLID OR PASTY PRODUCTS AND METHOD AND APPARATUS FOR ITS MANUFACTURE
• EMBALLAGE POUR PRODUITS SOLIDES OU PATEUX ET PROCEDE ET APPAREIL DE FABRICATION DE CET EMBALLAGE

(71) **OFFICINE MECCANICHE NATALINO CORAZZA S.P.A.** [IT/IT]; Via Natalino Corazza, 9, I–40128 Bologna (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LONGHI, Ivo** [IT/IT]; Via Pellizza da Volpedo, 15, I–40139 Bologna (IT). **DESERTI, Angelo** [IT/IT]; Via Puccini, 3, I–40141 Bologna (IT).

(74) **PEDERZINI, Paolo**; Bugnion S.p.A., Via dei Mille, 19, I–40121 Bologna (IT).

(81) AU BG BR CN CZ HR HU ID JP MX PL RO RU SI SK TR UA US VN YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24322** (13) A2

(21) PCT/FR98/02377

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/13944 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65B 9/00**

(54) • FORM, FILL AND SEAL MACHINE FOR BAGS, WITH TRANSVERSE SEALING SECTIONS, AND RESULTING BAGS
• MACHINE DE FORMATION, REMPLISSAGE ET FERMETURE AUTOMATIQUE DE SACS, A PROFILES DE FERMETURE TRANSVERSAUX, ET SACHETS OBTENUS

(71) **FLEXICO–FRANCE** [FR/FR]; F–60119 Henonville (FR).

(72) **BOIS, Henri, Georges**; 61, boulevard d'Inkerman, F–92200 Neuilly sur Seine (FR).

(74) **MARTIN, Jean–Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F–75116 Paris (FR).

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

---

(11) **WO 99/24323** (13) A1

(21) PCT/EP98/06787

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) de (26) de

(31) 197 48 715.7 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65B 15/04, A41D 19/00**

(54) • METHOD AND DEVICE FOR PRODUCING A PACKAGE UNIT, ESPECIALLY FOR PROTECTIVE GLOVES

- PROCEDE ET DISPOSITIF POUR PRODUIRE UNE UNITE D'EMBALLAGE, NOTAMMENT POUR DES GANTS DE PROTECTION

(71) **JOISTEN & KETTENBAUM GMBH & CO. KG** [DE/DE]; Asselborner Weg 14–16, D–51429 Bergisch Gladbach (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WILLEKE, Dieter** [DE/DE]; Ferdinand–Stucker–Strasse 2, D–51429 Bergisch Gladbach (DE). **SCHUMACHER, Norbert** [DE/DE]; Weizenfeld 36, D–51467 Bergisch Gladbach (DE).

(74) **ZAPF, Christoph**; Theodor–Heuss–Ring 1–3, D–50668 Köln (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)*

---

(11) **WO 99/24324** (13) A1

(21) PCT/EP98/06971

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) RE97A000083 (32) **31 Oct/oct 1997 (31.10.1997)** (33) IT

(31) RE98A000055 (32) **18 May/mai 1998 (18.05.1998)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65B 17/02**

(54) • METHOD AND APPARATUS FOR CAPPING CONTAINER CANS FOR FOOD PRODUCTS AND DRINKS
• PROCEDE ET APPAREIL A CAPSULER DES BOITES METALLIQUES UTILISEES COMME CONTENANTS DE PRODUITS ALIMENTAIRES OU DE BOISSONS

(71) **BANTAM ENGINEERS LIMITED** [GB/GB]; 8 Salisbury Court, Greenwood House, London EC4Y 8AA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROPPI, Silvano** [IT/IT]; Via Molossi, 17, I–43100 Parma (IT).

(74) **CORRADINI, Corrado** et al. / etc.; Via Dante Alighieri, 4, I–42100 Reggio Emilia (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24325** (13) A1

(21) PCT/US98/23400

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/965,722 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65B 61/18, 9/06**

(54) • METHOD AND APPARATUS FOR PLACING A PRODUCT IN A FLEXIBLE RECLOSEABLE CONTAINER
• PROCEDE ET APPAREIL PERMETTANT DE PLACER UN PRODUIT DANS UN CONTENEUR SOUPLE POUVANT ETRE REFERME

(71) **KCL CORPORATION** [US/US]; Hodell & Prospect Streets, Shelbyville, IN 47176 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **THIEMAN, Ronald, G.** [US/US]; 325 Wellington Parkway, Noblesville, IN 46060 (US).

(74) **DANILUCK, John, V.** et al. / etc.; Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, IN 46204 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24326** (13) A1

(21) PCT/AU98/00946

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) PP 0330 (32) **12 Nov/nov 1997 (12.11.1997)** (33) AU

(31) PP 0804 (32) **9 Dec/déc 1997 (09.12.1997)** (33) AU

(31) PP 2249 (32) **10 Mar/mar 1998 (10.03.1998)** (33) AU

(31) PP 6558 (32) **19 Oct/oct 1998 (19.10.1998)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65D 1/16, 8/00, 17/00**

(54) • BEVERAGE CONTAINER
• CONTENEUR DE BOISSON

(71, 72) **GARDINER, James, Lee** [AU/AU]; 12 Marine Parade, North Mission Beach, QLD 4852 (AU).

(74) **INTELLPRO**; Patent and Trade Mark Attorneys, Reserve Bank Building, Level 7, G.P.O. Box 1339, Brisbane, QLD 4001 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24327** (13) A1

(21) PCT/US98/24067

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,141 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65D 30/02, 33/02, 33/06, 33/24**

(54) • SOFT–SIDED INSULATED CONTAINER
• RECIPIENT ISOLE A PAROIS SOUPLES

(71) **THERMO SOLUTIONS, INC.** [US/US]; 6323 Cabridge Street, Minneapolis, MN 55416 (US).

(72) **MUFFETT, Dorothy, J.**; 15650 16th Avenue North, Plymouth, MN 55447 (US). **BALD, John, F.**; 8920 South Easthills Drive, Sandy, UT 84093 (US). **MILLER, Michael, H.**; 6328 Interlachen Boulevard, Edina, MN 55436 (US).

(74) **SHEWCHUK, Jeffrey, D.**; Kinney & Lange, P.A., Kinney & Lange Building, 312 South Third Street, Minneapolis, MN 55415–1002 (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).

---

(11) **WO 99/24328** (13) A1

(21) PCT/US98/22737

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) en (26) en

(31) 08/966,519 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65D 33/25, 33/01**

(54) • VENTED RECLOSABLE BAG
• SAC REFERMABLE AERE

(71) **TENNECO PACKAGING INC.** [US/US]; 1900 West Field Court, Lake Forest, IL 60045 (US).

(72) **DOBRESKI, David, V.**; 99 Country Downs Circle, Fairport, NY 14450 (US). **KEYSER, Charles, D.**; 4611 Stanley Street, Box 135, Gorham, NY 14461–135 (US). **THOMAS, Toby, R.**; 8 Kurt Road, Pittsford, NY 14534 (US).

(74) **BLANKSTEIN, Michael, J.**; 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 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).

---

(11) **WO 99/24329** (13) A1

(21) PCT/GB98/03350

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 97309004.6 (32) **10 Nov/nov 1997 (10.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65D 55/02**

(54) • TAMPER EVIDENT CLOSURE
• FERMETURE ANTI–EFFRACTION

(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) **TYLDESLEY, William, Frank** [GB/GB]; Cambridge Consultants Limited, Science Park, Milton Road, Cambridge CB4 0DW (GB).

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

---

(11) **WO 99/24330** (13) A1

(21) PCT/DE98/03231

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 48 788.2 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65D 57/00, B65G 49/06**

(54) • SPACER
• DISPOSITIF D'ECARTEMENT

(71, 72) **MENNICKEN, Willi** [DE/DE]; Schweilbacher Strasse 29, D–52146 Würselen (DE).

(74) **KÖNIG, Werner, E.**; König & Kollegen, Habsburgerallee 23–25, D–52064 Aachen (DE).

(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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24331** (13) A1

(21) PCT/US98/23314

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 08/965,578 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65D 81/34, 77/00**

(54) • A FOOD PACKAGE INCLUDING A TRAY AND A SLEEVE SURROUNDING SAID TRAY
• EMBALLAGE POUR PRODUITS ALIMENTAIRES CONSTITUE D'UNE BARQUETTE ET D'UNE ENVELOPPE ENTOURANT LADITE BARQUETTE

(71) **GICS & VERMEE, L.P.** [US/US]; A Pennsylvania Limited Partnership, Suite 101 B, 409 Broad Street, Sewickley, PA 15143 (US).

(72) **GICS, Paul, W.**; 92 Merriman Road, Sewickley Heights, PA 15143 (US).

(74) **RADACK, David, V.**; Eckert Seamans Cherin & Mellott, LLC, 44th floor, 600 Grant Street, Pittsburgh, PA 15219 (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).

---

(11) **WO 99/24332** (13) A1

(21) PCT/NL98/00653

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) nl (26) en

(31) 1007522 (32) **12 Nov/nov 1997 (12.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65F 1/06, 1/16**

(54) • DEVICE FOR SUPPORTING A LID IN AN APPROXIMATELY VERTICAL POSITION
• DISPOSITIF DE SUPPORT DE COUVERCLE EN POSITION SENSIBLEMENT VERTICAL

(71) **BRABANTIA NEDERLAND B.V.** [NL/NL]; Brabantialaan 3, NL–5583 BP Waalre (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VERBEEK, Antonius, Johannes** [NL/NL]; Bottelrooslaan 3, NL–5552 RB Valkenswaard (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL–2502 LS 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24333** (13) A1

(21) PCT/NL98/00647

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) nl (26) en

(31) 1007492 (32) **7 Nov/nov 1997 (07.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65G 47/14, 47/256**

(54) • METHOD AND DEVICE FOR ISOLATING PRODUCTS AND WEIGHING AND COUNTING SYSTEM COMBINED THEREWITH
• PROCEDE ET DISPOSITIF D'ISOLEMENT DE PRODUITS ET SYSTEME DE PESAGE ET DE COMPTAGE COMBINE

(71) **MACHINEFABRIEK COMPAS B.V.** [NL/NL]; Van Aalstweg 15, NL–1625 NV Hoorn (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOSTER, Simon** [NL/NL]; Houterweg 46, NL–1607 HE Hem (NL).

(74) **BARTELDS, Erik**; Arnold & Siedsma, Sweelinckplein 1, NL–2517 GK 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24334** (13) A1

(21) PCT/US98/23653

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,608 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65G 47/31**

(54) • APPARATUS FOR TURNING PRODUCT AT RIGHT ANGLES
• APPAREIL POUR FAIRE PIVOTER UN PRODUIT SELON DES ANGLES DROITS

(71, 72) **ROSKAM, Mervin, W.** [US/US]; 5183 Greystone Way, Hoover, AL 35242 (US).

(74) **MOORE, David, Scott**; Thomas, Kayden, Horstemeyer & Risley L.L.P., Suite 1500, 100 Galleria Parkway, Atlanta, GA 30339 (US).

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

---

(11) **WO 99/24335** (13) A1

(21) PCT/CH98/00420

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) de (26) de

(31) 2559/97 (32) **5 Nov/nov 1997 (05.11.1997)** (33) CH

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65G 47/72, 27/02, 11/12, 47/18, 47/64**

(54) • VIBRATING CONVEYOR WITH DISTRIBUTION CHANNEL SWITCHING SYSTEM
• TRANSPORTEUR A VIBRATIONS AVEC SYSTEME DE COMMUTATION DE VOIES DE DISTRIBUTION

(71) **KRÄMER AG BASSERSDORF** [CH/CH]; Grindelstrasse 23, CH–8303 Bassersdorf (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ILLI, Thomas** [CH/CH]; Oberdorf 65, CH–8548 Ellikon an der Thur (CH).

(74) **FELBER & PARTNER AG**; Dufourstrasse 116, CH–8034 Zürich (CH).

(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 : *(b)*

---

(11) **WO 99/24336** (13) A1

(21) PCT/US98/24149

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,579 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/081,115 (32) **19 May/mai 1998 (19.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65G 47/91, G11B 7/26**

(54) • SYSTEM AND METHOD FOR MAINTAINING CONCENTRICITY OF A COMBINATION OF A TOP AND BOTTOM SUBSTRATE DURING THE ASSEMBLY OF A BONDED STORAGE DISK
• SYSTEME ET PROCEDE DESTINES A MAINTENIR LA CONCENTRICITE D'UN SUBSTRAT SUPERIEUR ET UN SUBSTRAT INFERIEUR COMBINES PENDANT L'ASSEMBLAGE D'UN DISQUE COLLE DE STOCKAGE D'INFORMATIONS

(71) **FIRST LIGHT TECHNOLOGY, INC.** [US/US]; 77 Industrial Park Drive, P.O. Box 70, Saco, ME 04072 (US).

(72) **PAULUS, Joseph, W.**; 904 Washington Avenue, Portland, ME 04103 (US). **PARENT, Scott, R.**; 1 Kimberly Drive, Saco, ME 04072 (US). **THIBAULT, Thomas, M.**; 182 Bradley Street, Saco, ME 04072 (US). **LAVERRIERE, Guy, P.**; 49 Wentworth Street, Biddeford, ME 04005 (US). **PARENT, Donald, G.**; 11 Stone Brook Drive, Windham, ME 04062 (US).

(74) **DICHIARA, Peter, M.** et al. / etc.; Hale and Dorr LLP, 60 State Street, Boston, MA 02109 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24337** (13) A1

(21) PCT/SE98/01996

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9704099–2 (32) **10 Nov/nov 1997 (10.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65G 49/07 // H01L 21/68**

(54) • A MACHINE FOR TREATING SHEET–SHAPED GOODS WITH VARIOUS MEDIA, AND GOODS CARRIER FOR USE IN SUCH A MACHINE
• MACHINE PERMETTANT DE TRAITER DES ARTICLES EN FORME DE FEUILLE AVEC DIVERS MILIEUX ET PORTE–ARTICLES DESTINE A ETRE UTILISE DANS UNE TELLE MACHINE

(71) **HOLMSTRANDS AUTOMATION AB** [SE/SE]; P.O. Box 104, S–660 50 Vålberg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LARSSON, Stig** [SE/SE]; Lönnvägen 6, S–660 50 Vålberg (SE). **NILSSON, Rolf** [SE/SE]; Lagerlöfsgatan 38, S–667 33 Forshaga (SE).

(74) **LUNDQUIST, Lars–Olof**; L–O Lundquist Patentbyrå AB, P.O. Box 80, S–651 03 Karlstad (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24338** (13) A1

(21) PCT/EP97/06229

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65G 53/46, 53/32**

(54) • DEVICE FOR APPLYING A MORTAR LAYER
• EQUIPEMENT PERMETTANT D'APPLIQUER UNE COUCHE DE MORTIER

(71, 72) **GANAHL, Hans** [AT/AT]; Silbertal 335, A–6780 Silbertal (AT).

(74) **HEFEL, Herbert**; Egelseestrasse 65a, Postfach 61, A–6800 Feldkirch (AT).

(81) AU CA US.

---

(11) **WO 99/24339** (13) A1

(21) PCT/EP98/07129

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723660.8 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65G 65/36**

(54) • STORAGE CONTAINER FOR GRANULAR MATERIAL
• CONTENEUR DE STOCKAGE POUR MATIERE EN GRANULES

(71) **CONSTAR INTERNATIONAL HOLLAND B.V.** [NL/NL]; Hengelder 42, NL–6942 AL Didam (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VAN DEN BOER, Toon** [NL/NL]; Hoefakkers 9, NL–5133 CY Riec (NL).

(74) **RATLIFF, Ismay, Hilary**; Carnaudmetalbox plc, Downsview Road, Wantage, Oxfordshire OX12 9BP (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24340** (13) A1

(21) PCT/US98/23866

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,462 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65H 3/00**

(54) • PAPER SET FEEDING
• ALIMENTATION D'UN ENSEMBLE DE FEUILLES DE PAPIER

(71) **STANDARD DUPLICATING MACHINES CORPORATION** [US/US]; 10 Connector Road, Andover, MA 01810 (US).

(72) **DARCY, James, A.**; 84 Londonderry Road, Windham, NH 03087–1119 (US). **WEEKS, Thomas, E.**; 21 Buzzell Street, Manchester, NH 03104–5140 (US). **FRYKLUND, Gilbert, G.**; 12 Mason Street, Winchester, MA 01890–3127 (US).

(74) **HENNESSEY, Gilbert, H.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (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)*

---

(11) **WO 99/24341** (13) A1

(21) PCT/US98/23915

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,887 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65H 5/28**

(54) • DISPENSER FOR A STERILE ADHESIVE BANDAGE
• DISTRIBUTEUR DE BANDAGE ADHESIF STERILE

(71, 72) **TURNGREN, Christina** [US/US]; 339 Chestnut Street, St. Paul, MN 55102 (US).

(74) **DIETZ, Paul, T.**; Haugen and Nikolai, P.A., 900 Second Avenue S. #820, Minneapolis, MN 55402–3325 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24342** (13) A1

(21) PCT/FR98/02373

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/14188 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65H 19/22, 18/02**

(54) • MACHINE FOR WINDING CONTINUOUS SHEET PRODUCT FOR FORMING COILS
• MACHINE D'ENROULEMENT DE PRODUIT CONTINU SOUS FORME DE FEUILLE, POUR FORMER DES BOBINES

(71) **DARLET MARCHANTE TECHNOLOGIE S.A.** [FR/FR]; Savoie Technolac, F–73370 Le Bourget du Lac (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARCHANTE, Innocent** [FR/FR]; 330, route du Tunnel, F–73370 Le Bourget du Lac (FR).

(74) **CABINET GERMAIN ET MAUREAU**; Boîte postale 6153, 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24343** (13) A1

(21) PCT/DE98/03060

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) de (26) de

(31) 197 48 789.0 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65H 20/02, 20/32, 35/04**

(54) • DEVICE FOR CUTTING A PAPER WEB IN THE TRANSVERSE DIRECTION
• DISPOSITIF DE COUPE D'UNE BANDE CONTINUE DE PAPIER DANS LE SENS TRANSVERSAL

(71) **BÖWE SYSTEC AG** [DE/DE]; Werner–von–Siemens–Strasse 1, D–86159 Augsburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HARTMANN, Otto** [DE/DE]; Karlstrasse 12, D–86441 Zusmarshausen (DE).

(74) **CHARRIER RAPP & LIEBAU**; Volkhartstrasse 7, D–86152 Augsburg (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)*

---

(11) **WO 99/24344** (13) A1

(21) PCT/EP98/06854

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 49 196.0 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65H 54/34**

(54) • METHOD AND DEVICE FOR SPOOLING A CONTINUOUSLY RUNNING THREAD
• PROCEDE ET DISPOSITIF POUR BOBINER UN FIL DEFILANT EN CONTINU

(71) **BARMAG AG** [DE/DE]; Leverkuser Strasse 65, D–42897 Remscheid (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHRÖTER, Michael** [DE/DE]; Timmersfeld 1, D–42855 Remscheid (DE). **SPAHLINGER, Jörg** [DE/DE]; Unterweg 13, D–42929 Wermelskirchen (DE).

(74) **KAHLHÖFER, Hermann**; Bardehle, Pagenberg, Dost, Altenburg, Geissler, Isenbruck, Uerdinger Strasse 5, D–40474 Düsseldorf (DE).

(81) CH CN DE JP KR US.

Published / Publiée : *(c)*

---

(11) **WO 99/24345** (13) A1

(21) PCT/EP98/06969

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 97119380.0 (32) **6 Nov/nov 1997 (06.11.1997)** (33) EP

(31) 60/064,470 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B65H 75/14**

(54) • REEL FOR SUPPORTING OPTICAL FIBRES AND METHOD FOR CONTROLLING THE DEFORMATIONS EXPERIENCED BY THE SAID REEL DURING WINDING
• BOBINE DE SUPPORT DE FIBRES OPTIQUES ET PROCEDE DE COMMANDE DES DEFORMATIONS SUBIES PAR LADITE BOBINE LORS DE L'ENROULEMENT

(71) **PIRELLI CAVI E SISTEMI S.P.A.** [IT/IT]; Viale Sarca, 222, I–20126 Milano (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOCCIOLA, Lorenzo** [IT/IT]; Via Podestà, 70, I–26011 Casal Buttano (IT).

(74) **PIRELLI CAVI E SISTEMI S.P.A.**; Viale Sarca, 222, I–20126 Milano (IT).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24346** (13) A1

(21) PCT/FI98/00862

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 974156 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B66B 7/04**

(54) • ELEVATOR GUIDE SHOE
• COULISSEAU D'ASCENSEUR

(71) **KONE CORPORATION** [FI/FI]; Kartanontie 1, FIN–00330 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DE JONG, Johannes** [FI/FI]; Kauhajoenkuja 1, FIN–04430 Järvenpää (FI).

(74) **KONE CORPORATION**; Patent Dept., P.O. Box 677, FIN–05801 Hyvinkää (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 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).

---

(11) **WO 99/24347** (13) A1

(21) PCT/FI98/00806

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 974158 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FI

(31) 981992 (32) **15 Sep/sep 1998 (15.09.1998)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B66B 13/30**

(54) • PROCEDURE FOR INSTALLING A LANDING DOOR, AND A CORRESPONDING INSTALLATION SYSTEM
• TECHNIQUE D'INSTALLATION D'UNE PORTE PALIERE, ET EQUIPEMENT REQUIS

(71) **KONE CORPORATION** [FI/FI]; Kartanontie 1, FIN–00330 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KETONEN, Ari** [FI/FI]; Perttulankatu 32, FIN–05900 Hyvinkää (FI). **HÄGG, Jori** [FI/FI]; Ilmattarentie 10, FIN–11910 Riihimäki (FI). **ANTTILA, Harri** [FI/FI]; Keskitie 10, FIN–05400 Jokela (FI).

(74) **KONE CORPORATION**; Patent Dept., P.O. Box 677, FIN–05801 Hyvinkää (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 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).

---

(11) **WO 99/24348** (13) A2

(21) PCT/US98/23946

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) A 1899/97 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B66C**

(54) • CRANE APPARATUS AND METHOD
• GRUE ET TECHNIQUES EN RAPPORT

(71, 72) **DAVIS, Daniel, E.** [US/US]; 3206 Merion Court, Harlingen, TX 78550 (US).

(74) **PAYNE, Alton, W.**; 1700 West Loop South, Houston, TX 77027–3008 (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).

---

(11) **WO 99/24349** (13) A1

(21) PCT/EP98/07145

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 679.2 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B66F 9/20**

(54) • INDUSTRIAL TRUCK, ESPECIALLY A COMMISSIONING DEVICE
• CHARIOT DE MANUTENTION, EN PARTICULIER APPAREIL PREPARATEUR DES COMMANDES

(71) **STEINBOCK BOSS GMBH FÖRDERTECHNIK** [DE/DE]; Steinbockstrasse 38, D–85368 Moosburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAACK, Wolfgang** [DE/DE]; Am Langberg 119, D–21033 Hamburg (DE). **NIEBUHR, Michael** [DE/DE]; Lohe 1 B, D–22941 Bargteheide (DE).

(74) **WEICKMANN, H.** et al. / etc.; Kopernikusstrasse 9, 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24350** (13) A1

(21) PCT/EP98/06667

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) de (26) de

(31) 197 49 738.1 (32) **11 Nov/nov 1997** (33) DE **(11.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B67C 3/20**

(54) • FILLING DEVICE FOR VOLUMETRIC BEVERAGE BOTTLING
• DISPOSITIF DE REMPLISSAGE POUR L'EMBOUTEILLAGE VOLUMETRIQUE DE BOISSONS

(71, 72) **METTE, Manfred** [DE/DE]; Ringstrasse 19a, D–22145 Hamburg (DE).

(74) **SCHAEFER, Konrad**; Schaefer & Emmel, Gehölzweg 20, D–22043 Hamburg (DE).

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

---

(11) **WO 99/24351** (13) A1

(21) PCT/ES98/00298

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) es (26) es

(31) U 9702883 (32) **7 Nov/nov 1997** (33) ES **(07.11.1997)**

(31) U 9702884 (32) **7 Nov/nov 1997** (33) ES **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B67D 1/04, F25D 23/00**

(54) • IMPROVEMENTS TO REFRIGERATING APPARATUS SUCH AS A FREEZER, A PORTABLE REFRIGERATOR OR THE LIKE
• AMELIORATIONS CONCERNANT DES APPAREILS REFRIGERATEURS DE TYPE APPAREILS FRIGORIFIQUES, GLACIERES PORTATIVES OU SIMILAIRES

(71, 72) **GONZALEZ SALAZAR, Juan Carlos** [ES/ES]; Calle Sevilla, 30–5º A, E–11402 Jerez de La Frontera (ES).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP LC LK LR LT 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24352** (13) A1

(21) PCT/JP98/04849

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) ja (26) ja

(31) 9/310086 (32) **12 Nov/nov 1997** (33) JP **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B67D 1/08**

(54) • APPARATUS AND METHOD FOR PREVENTING BACTERIA FROM PROPAGATING AND REMOVING BACTERIA IN DRINK CONVEYING PIPE
• DISPOSITIF ET PROCEDE PERMETTANT D'EMPECHER LA PROPAGATION BACTERIENNE ET D'ELIMINER LES BACTERIES DANS UN TUBE SERVANT AU PASSAGE D'UNE BOISSON.

(71, 72) **MIDDLETON, David, Leslie, Phillip** [AU/JP]; La Maison #806, 3–1, Sumiregaoka 2–chome, Takarazuka–shi, Hyogo 665–0847 (JP).

(74) **SUMIDA, Yoshihiro** et al. / etc.; Boeki Building, 3rd floor, 123–1, Higashimachi, Chuo–ku, Kobe–shi, Hyogo 650–0031 (JP).

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

---

(11) **WO 99/24353** (13) A1

(21) PCT/EP98/06631

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 97203426.8 (32) **5 Nov/nov 1997** (33) EP **(05.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B67D 1/12, 5/02**

(54) • DISPENSING DEVICE AND CONTAINER ASSEMBLY COMPRISING SUCH DEVICE
• DISPOSITIF DISTRIBUTEUR ET ENSEMBLE RECIPIENT LE COMPRENANT

(71) **UNILEVER N.V.** [NL/NL]; Weena 455, NL–3013 AL Rotterdam (NL).
(for all designated States except / pour tous les États désignés sauf AU BB CA CY GB GH IE KE LK LS MN MW NZ SD SG SZ TT UG)

(71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB).
(only for / seulement pour AU BB CA CY GB GH IE KE LK LS MN MW NZ SD SG SZ TT UG)

(72) **KUIL, Jan**; Diversey Lever, Maarssenbroeksedijk 2, NL–3606 AN Maarssen (NL). **VAN DER HEIJDEN, Lambertus, Gerardus, P.**; Diversey Lever, Maarssenbroeksedijk 2, NL–3606 AN Maarssen (NL).

(74) **ROSEN JACOBSON, Frans, L., M.**; Unilever N.V., Patent Dept., P.O. Box 137, NL–3130 AC Vlaardingen (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24354** (13) A1

(21) PCT/IT98/00304

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) FI97U000150 (32) **6 Nov/nov 1997** (33) IT **(06.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **B68C 3/00**

(54) • A STIRRUP FOR HORSEBACK RIDING
• ETRIER D'EQUITATION

(71, 72) **RUSSO, Pietro** [IT/IT]; Via Capodimondo, 41, I–50132 Firenze (IT).

(74) **MANNUCCI, Michele** et al. / etc.; Via della Scala, 4, I–50123 Firenze (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24355** (13) A1

(21) PCT/CA98/00925

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) en (26) en

(31) 2,220,503 (32) **7 Nov/nov 1997** (33) CA **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C01B 3/00**

(54) • HYDROGEN STORAGE COMPOSITION
• COMPOSITION DE STOCKAGE D'HYDROGENE

(71) **MCGILL UNIVERSITY** [CA/CA]; 845 Sherbrooke Street West, Montreal, Quebec H3A 1B1 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZALUSKA, Alicja** [CA/CA]; (CA). **ZALUSKI, Leszek** [CA/CA]; 3510 Paul–Emile–Cote, Montreal, Quebec H4E 1Z6 (CA). **STRÖM–OLSEN, John, Olaf** [CA/CA]; 443 Lansdowne Avenue, Montreal, Quebec H3Y 2V4 (CA).

(74) **MURPHY, Kevin, P.** 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24356** (13) A1

(21) PCT/US98/22564

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) en (26) en

(31) 08/965,911 (32) **7 Nov/nov 1997** (33) US **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C01B 11/02**

(54) • METHOD AND DEVICE FOR THE PRODUCTION OF AN AQUEOUS SOLUTION CONTAINING CHLORINE DIOXIDE
• PROCEDE ET PRODUCTION D'UNE SOLUTION AQUEUSE CONTENANT DU DIOXYDE DE CHLORE

(71) **ENGELHARD CORPORATION** [US/US]; 101 Wood Avenue, P.O. Box 770, Iselin, NJ 08830–0770 (US).

(72) **THANGARAJ, Appadurai**; Apartment 146, 2 Ronald Drive, Colonia, NJ 07067 (US). **SPERONELLO, Barry, K.**; 15 Carriage Trail, Belle Mead, NJ 08502 (US). **WILDMAN, Timothy, D.**; 70 Heather Court, Monmouth Junction, NJ 08852 (US).

(74) **MILLER, Stephen, I.** et al. / etc.; Engelhard Corporation, 101 Wood Avenue, P.O. Box 770, Iselin, NJ 08830–0770 (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).

---

(11) **WO 99/24357** (13) A1

(21) PCT/EP98/07036

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 343.2 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C01B 17/66**

(54) • REDUCING AND DECOLORIZING AGENT
• AGENT DE REDUCTION ET DE DECOLORATION

(71) **PEROXID–CHEMIE GMBH** [DE/DE]; Dr.–Gustav–Adolph–Strasse 3, D–82049 Pullach (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OHME, Roland** [DE/DE]; Waldstrasse 6, D–12527 Berlin (DE). **ZEISS, Werner** [DE/DE]; Am Anger 2A, D–82547 Eurasburg (DE). **HARTMANN, Christoph** [DE/DE]; Am Forstanger 3, D–82041 Oberhaching (DE). **SEBB, Werner** [DE/DE]; Steiner Ring 41, D–82538 Geretsried (DE).

(74) **WEICKMANN, H.** et al. / etc.; Kopernikusstrasse 9, 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24358** (13) A1

(21) PCT/US98/23965

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/064,993 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 60/086,146 (32) **20 May/mai 1998 (20.05.1998)** (33) US

(31) 09/189,322 (32) **9 Nov/nov 1998 (09.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C01B 21/083**

(54) • PROCESS FOR PURIFYING PERFLUORINATED PRODUCTS
• PROCEDE DE PURIFICATION DE PRODUITS PERFLUORES

(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) **MAHLER, Barry, Asher** [–/US]; 104 Carter Way, Glen Mills, PA 19342 (US). **MILLER, Ralph, Newton** [–/US]; 39 Hilstream Road, Newark, DE 19711 (US). **KAO, Chein–Ping, Chai** [–/US]; 194 Kenneth Court, Newark, DE 19711 (US).

(74) **SHIPLEY, James, E.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE HU ID IL IS JP KG KP 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; 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 : *(c)*

---

(11) **WO 99/24359** (13) A1

(21) PCT/FR98/02379

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/14042 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C01B 31/00, H01M 4/58**

(54) • CARBON PRODUCT RICH IN LITHIUM FOR USE AS NEGATIVE ELECTRODE IN A LITHIUM CELL
• PRODUIT CARBONE RICHE EN LITHIUM UTILISABLE COMME ELECTRODE NEGATIVE DANS UN ACCUMULATEUR AU LITHIUM

(71) **CENTRE NATIONAL D'ETUDES SPATIALES** [FR/FR]; 2, place Maurice Quentin, F–75001 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WILLMANN, Patrick** [FR/FR]; 5, chemin Pinatel, F–31450 Montgiscard (FR). **BILLAUD, Denis** [FR/FR]; 37, rue du Cardinal Mathieu, F–54000 Nancy (FR). **THEVENOT, Laurent** [FR/FR]; 33, rue Verlaine, F–54000 Nancy (FR).

(74) **BREVATOME**; 25, rue de Ponthieu, 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).

---

(11) **WO 99/24360** (13) A1

(21) PCT/GB98/03426

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723818.2 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C01B 33/40, B01J 8/14**

(54) • TREATMENT OF MINERAL PARTICLES
• TRAITEMENT DE PARTICULES MINERALES

(71) **ECC INTERNATIONAL LTD.** [GB/GB]; 1015 Arlington Business Park, Theale, Reading, Berkshire RG7 4SA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOSTUCH, Jacek, Antoni** [GB/GB]; 24 Manor View, Par, Cornwall PL24 2EN (GB).

(74) **McCORMACK, Derek, James**; ECC International Ltd., Patents Dept., John Keay House, St. Austell, Cornwall PL25 4DJ (GB).

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

---

(11) **WO 99/24361** (13) A1

(21) PCT/BE98/00171

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 9700894 (32) **6 Nov/nov 1997 (06.11.1997)** (33) BE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C01F 11/18**

(54) • METHOD FOR MAKING CALCIUM CARBONATE
• PROCEDE DE FABRICATION DE CARBONATE DE CALCIUM

(71) **S.A. LHOIST RECHERCHE ET DEVELOPPEMENT** [BE/BE]; Rue Charles Dubois 28, B–1342 Ottignies–Louvain–La–Neuve (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LANGELIN, Henri, René** [FR/FR]; Rue Principale 1018, F–62132 Caffiers (FR). **LAUDET, Alain** [BE/BE]; Rue du Parc 28, B–5000 Namur (BE).

(74) **CLAEYS, Pierre** et al. / etc.; Gevers & Vander Haeghen, Rue de Livourne 7, B–1060 Bruxelles (BE).

(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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24362** (13) A2

(21) PCT/US98/24059

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/967,907 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F**

(54) • DRINKING WATER FORMULATION AND METHOD OF MAKING SAME
• FORMULATION D'EAU POTABLE ET PROCEDE DE PRODUCTION CORRESPONDANT

(71) **RXH2O** [US/US]; 11479 S. Pine Drive, Parker, CO 80134 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CONGER, Harry, C.** [US/US]; 2182 Augusta Drive, Evergreen, CO 80439 (US). **MUZZY, James, W.** [US/US]; 6840 Chalet Circle, Parker, CO 80134 (US).

(74) **KOVARIK, Joseph, E.** et al. / etc.; Sheridan Ross P.C., Suite 3500, 1700 Lincoln Street, Denver, CO 80203–4501 (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).

---

(11) **WO 99/24363** (13) A1

(21) PCT/FI98/00876

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 974211 (32) **12 Nov/nov 1997 (12.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 1/02**

(54) • METHOD AND DEVICE FOR THE PRODUCTION OF PURE WATER
• PROCEDE ET DISPOSITIF DE PRODUCTION D'EAU PURE

(71) **AMSCO EUROPE INC. SUOMEN SIVULIIKE** [FI/FI]; Teollisuustie 2, FIN–04300 Tuusula (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TERÄVÄ, Jorma** [FI/FI]; Kenttätie 15 B, FIN–37500 Lempäälä (FI). **NURMINEN, Teppo** [FI/FI]; Uurrekuja 35, FIN–01650 Vantaa (FI).

(74) **RUSKA & CO. OY**; Runeberginkatu 5, FIN–00100 Helsinki (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 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 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).

---

(11) **WO 99/24364** (13) A1

(21) PCT/US98/21337

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/965,574 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 1/44, 1/56**

(54) • PROCESS FOR REMOVING SILICA FROM WASTEWATER
• PROCEDE PERMETTANT D'EXTRAIRE LA SILICE DES EAUX USEES

(71) **MICROBAR INCORPORATED** [US/US]; 1252 Orleans Drive, Sunnyvale, CA 94089 (US).

(72) **ALLEN, Stephen, D.**; 5069 Cottonwood Lane, Holladay, UT 84117 (US). **LYMAN, Leonard, R.**; 11177 South Woodfield Road, South Jordan, UT 84095 (US).

(74) **WITT, Evan, R.** et al. / etc.; Madson & Metcalf, Suite 950, 170 South Main Street, Salt Lake City, UT 84101 (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).

---

(11) **WO 99/24365** (13) A1

(21) PCT/HU98/00096

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) P 97 01918 (32) **7 Nov/nov 1997 (07.11.1997)** (33) HU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 1/52, 1/58, B01J 20/04**

(54) • COMPOSITION AND PROCESS FOR THE REMOVAL OF THE PHOSPHATE ION CONTENT OF WATERS
• COMPOSITION ET PROCEDE D'ELIMINATION DES IONS DE PHOSPHATE CONTENUS DANS LES EAUX

(71) **MAGYAR TUDOMÁNYOS AKADÉMIA KÉMIAI KUTATÓKÖZPONT** [HU/HU]; Kémiai Intézet, Pusztaszeri út 59–67, H–1025 Budapest (HU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ILLÉS, Gáborné** [HU/HU]; Margit krt. 48, H–1027 Budapest (HU). **KALLÓ, Dénes** [HU/HU]; Frankel Leó u. 2–4 VI/57, H–1027 Budapest (HU). **KARÁCSONY, Józsefné** [HU/HU]; Ponty u. 16 I/9, H–1011 Budapest (HU). **KÓTAI, László** [HU/HU]; Selmeczi u. 89, H–2030 Érd (HU). **PAPP, János** [HU/HU]; Fillér lépcső 2, H–1022 Budapest (HU). **PÁLINKÁS, Gábor** [HU/HU]; Csákó u. 8, H–1151 Budapest (HU). **UDVARDY, György** [HU/HU]; Kossuth út 76, H–3909 Mád (HU).

(74) **DANUBIA**; P.O. Box 198, H–1368 Budapest (HU).

(81) AU CA CH DE DK ES FI GB ID JP KR NO NZ PL PT RU SE US.

---

(11) **WO 99/24366** (13) A1

(21) PCT/GB98/03379

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 97/10204 (32) **12 Nov/nov 1997 (12.11.1997)** (33) ZA

(31) 98/0568 (32) **23 Jan/jan 1998 (23.01.1998)** (33) ZA

(31) 98/4227 (32) **19 May/mai 1998 (19.05.1998)** (33) ZA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 1/68, 1/76**

(54) • MEANS FOR CHEMICAL WATER TREATMENT
• MOYENS DE TRAITEMENT CHIMIQUE DE L'EAU

(71) **P.P.A. WATER INDUSTRIES (PROPRIETARY LIMITED)** [ZA/ZA]; 356 Pretoria Avenue, Ferndale, Randburg 2194 (ZA).
(for all designated States except / pour tous les États désignés sauf US)

(71) **BAVERSTOCK, Michael, George, Douglas** [GB/GB]; 27 Furnival Street, London EC4A 1PQ (GB).
(only for / seulement pour SD)

(72, 75) **BUCHAN, Leon** [ZA/ZA]; Plot 192, Rietfontein, Kameeldrif, District Brits (ZA).

(74) **BOULT WADE TENNANT**; 27 Furnival Street, London EC4A IPQ (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24367** (13) A1

(21) PCT/US98/24082

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,513 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 1/68, 3/00, C08G 63/06**

(54) • POLYLACTATE RELEASE COMPOUNDS AND METHODS OF USING SAME
• COMPOSES DE LIBERATION DE POLYLACTATE ET PROCEDES D'UTILISATION DE CES COMPOSES

(71) **REGENESIS BIOREMEDIATION PRODUCTS, INC.** [US/US]; Suite 1407, 27130A Paseo Espada, San Juan Capistrano, CA 92675 (US).

(72) **KOENIGSBERG, Stephen, S.**; 6 Clearwater, Irvine, CA 92604 (US). **FARONE, William, A.**; 14112 Picasso Court, Irvine, CA 92606 (US). **PALMER, Tracy**; 26322 Towne Centre #1121, Foothill Ranch, CA 92610 (US).

(74) **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson & 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24368** (13) A1

(21) PCT/US98/18136

(22) **1 Sep/sep 1998 (01.09.1998)**

(25) en (26) en

(31) 08/966,673 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 1/72**

(54) • COMPOSITIONS AND METHODS FOR TREATING WATER
• COMPOSITIONS ET PROCEDES DE TRAITEMENT DE L'EAU

(71) **GREAT LAKES CHEMICAL CORPORATION** [US/US]; Highway 52 Northwest, P.O. Box 2200, West Lafayette, IN 47996 (US).

(72) **STARKEY, Ron**; 1100 Country Court, Lawrenceville, GA 30044 (US). **DEGUZMAN, Kysler**; 2840 Livsey Trail, Tucker, GA 30089 (US). **BROWN, Geoffrey, A.**; 5687 Hunters Crossing Ford, Lithonia, GA 30038 (US). **MITCHELL, P., Kirk**; 3305 Pebble Hill Drive, Marietta, GA 30062 (US).

(74) **THOMAS, Timothy, N.** et al. / etc.; Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, IN 46204 (US).

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

---

(11) **WO 99/24369** (13) A2

(21) PCT/US98/23781

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,899 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/075,276 (32) **19 Feb/fév 1998 (19.02.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 1/76, 1/46**

(54) • AMPEROMETRIC HALOGEN CONTROL SYSTEM
• SYSTEME DE COMMANDE DE LA MESURE AMPEROMETRIQUE D'HALOGENE

(71) **BIOQUEST** [US/US]; Suite 202, 4750 Longley Lane, Reno, NV 89502 (US).

(72) **SILVERI, Michael, A.**; 483 Skylake Court, Incline Village, NV 89451 (US). **MILOSAVLJEVIC, Emil**; 8143 West Eastman Place #14–201, Lakewood, CO 80227 (US). **CALIC, Caba**; 1555 Roma Court, Reno, NV 89523 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24370** (13) A1

(21) PCT/DK98/00486

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 1276/97 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 3/00**

(54) • METHOD FOR THE CONTROL OF BIODEGRADATION
• PROCEDE DE CONTROLE DE LA BIODEGRADATION

(71) **BIOBALANCE A/S** [DK/DK]; Vallensbækvej 45, DK–2605 Brøndby (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NØRGAARD, Peter** [DK/DK]; Østervang 16, DK–2800 Lyngby (DK). **MIKKELSEN, Mette, Risum** [DK/DK]; Sydstrandsvej 34, DK–2791 Dragør (DK). **HEINEN, Nicolas** [BE/DK]; Hjortekrogen 11, DK–2800 Lyngby (DK).

(74) **PLOUGMANN, VINGTOFT & PARTNERS A/S**; Sankt Annæ Plads 11, P.O. Box 3007, DK–1021 Copenhagen (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 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 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).

---

(11) **WO 99/24371** (13) A1

(21) PCT/DE98/03269

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 757.8 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 11/12, 11/14, B01D 33/04, 35/31, 37/03**

(54) • DEVICE FOR THICKENING LIQUIDS OR SLUDGES
• DISPOSITIF SERVANT A EPAISSIR DES LIQUIDES OU DES BOUES

(71) **GEBR. BELLMER GMBH & CO. KG., MASCHINENFABRIK** [DE/DE]; Hauptstrasse 36–39, D–75223 Niefern–Öschelbronn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOLLMAR, Ulrich** [DE/DE]; Auf dem Berg 17, D–75181 Pforzheim (DE). **MITSCHELE, Georg** [DE/DE]; Pillauerstrasse 2, D–75181 Pforzheim (DE). **KLABUSCHNIG, Josef** [DE/DE]; In den Dorfwiesen 5, D–75242 Neuhausen (DE). **KUHN, Klaus** [DE/DE]; Hofstätterstrasse 16, D–75449 Wurmberg (DE). **UNGER, Lutz** [DE/DE]; Ölbronner Strasse 18, D–75245 Neulingen (DE).

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

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

---

(11) **WO 99/24372** (13) A1

(21) PCT/US97/20631

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C02F 11/12, 1/48**

(54) • APPARATUS FOR DEWATERING PREVIOUSLY–DEWATERED MUNICIPAL WASTE–WATER SLUDGES USING HIGH ELECTRICAL VOLTAGE
• APPAREIL SERVANT A DESHYDRATER LES BOUES D'EAUX USEES MUNICIPALES PREALABLEMENT DESHYDRATEES A L'AIDE DE DECHARGES ELECTRIQUES A HAUTE TENSION

(71, 72) **HELD, Jeffery, S.** [US/US]; 431 Oakdale #4A, Chicago, IL 60657 (US).

(74) **GERSTEIN, MILTON & BENN, MARVIN**; Hamman & Benn, Suite 3300, 10 S. LaSalle Street, 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 GE 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 TJ TM TR TT UA UG US UZ VN YU; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24373** (13) A1

(21) PCT/JP98/05017

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9/304565 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 9/324330 (32) **26 Nov/nov 1997 (26.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C03B 23/033, 23/03**

(54) • METHOD AND APPARATUS FOR PRODUCING BENT GLASS SHEET
• PROCEDE ET DISPOSITIF PERMETTANT DE PRODUIRE UNE FEUILLE DE VERRE COURBE

(71) **NIPPON SHEET GLASS CO., LTD.** [JP/JP]; 5–11, 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) **YOSHIZAWA, Hideo** [JP/JP]; Nippon Sheet Glass Co., Ltd., 5–11, Doshomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0045 (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) AL AM AT AU AZ 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 KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24374** (13) A2

(21) PCT/FI98/00864

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 974185 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C03C**

(54) • METHOD AND ARRANGEMENT IN CONNECTION WITH SECONDARY COATING LINE
• PROCEDE ET DISPOSITIF RELATIFS A UNE LIGNE DE REVETEMENT SECONDAIRE

(71) **NEXTROM HOLDING S.A.** [CH/CH]; Route du Bois 37, CH–1024 Ecublens (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LENTO, Kyösti** [FI/FI]; Paulankuja 5, FIN–01420 Vantaa (FI).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24375** (13) A1

(21) PCT/US98/21876

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/064,901 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C03C 4/06, 3/11, 3/145**

(54) • PHOTOCHROMIC GLASS AND LENS
• VERRE ET LENTILLE PHOTOCHROMIQUES

(71) **CORNING INCORPORATED** [US/US]; 1 Riverfront Plaza, Corning, NY 14831 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAVENS, Thomas, G.** [US/US]; 2 Stiles Street, Painted Post, NY 14870 (US). **KERKO, David, J.** [US/US]; 11842 Overlook Drive, Corning, NY 14830 (US). **WEDDING, Brent, M.** [US/US]; 3 East Third Street, Corning, NY 14830 (US).

(74) **PETERSON, Milton, M.**; Corning Incorporated, Patent Dept., SP FR 02–12, Corning, NY 14831 (US).

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

---

(11) **WO 99/24376** (13) A1

(21) PCT/FR97/01998

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) fr (26) fr

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C04B 7/32**

(54) • METHOD AND PLANT FOR MAKING ALUMINA CEMENT AND ALUMINA CEMENT
• PROCEDE ET INSTALLATION DE FABRICATION DE CIMENT ALUMINEUX ET CIMENT ALUMINEUX

(71) **LAFARGE ALUMINATES** [FR/FR]; 28, rue Emile Menier, F–75782 Paris Cedex 16 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ESPINOSA, Bruno** [FR/FR]; 3, rue des Fileuses, F–69740 Genes (FR). **BIER, Thomas** [FR/FR]; 2, voie Grisée, F–78580 Herveville (FR).

(74) **MICHELET, Alain**; Cabinet Harlé & Phélip, 7, rue de Madrid, F–75008 Paris (FR).

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

---

(11) **WO 99/24377** (13) A1

(21) PCT/DE98/03099

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) de (26) de

(31) 197 50 107.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C04B 35/583, 35/63, 28/34, F16J 15/34**

(54) • BORON NITRIDE SEALING ELEMENT
• ELEMENT D'ETANCHEITE CONSTITUE DE NITRURE DE BORE

(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) **FRIESE, Karl–Hermann** [DE/DE]; Strohgaeustrasse 13, D–71229 Leonberg (DE). **WEYL, Helmut** [DE/DE]; Peter v Koblenz 34, D–71701 Schwieberdingen (DE). **HANS, Anton** [DE/DE]; Steinheimer Strasse 17a, D–70435 Stuttgart (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)*

---

(11) **WO 99/24378** (13) A2

(21) PCT/DE98/03383

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 50 769.7 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C04B 41/00**

(54) • SPRAYABLE COVERING
• REVETEMENT PULVERISABLE

(71) **HEMA BESCHICHTUNGSSERVICE** [DE/DE]; Minorkaweg 16, D–12355 Berlin (DE).

(72) **EIDENSCHINK, Henning**; Minorkaweg 16, D–12355 Berlin (DE). **EIDENSCHINK, Marianne**; Minorkaweg 16, D–12355 Berlin (DE).

(74) **WABLAT, Wolfgang**; Potsdamer Chaussee 48, D–14129 Berlin (DE).

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

---

(11) **WO 99/24379** (13) A2

(21) PCT/US98/23668

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/968,292 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C04B 41/00**

(54) • PLASMA SPRAYED MULLITE COATINGS ON SILICON BASED CERAMIC MATERIALS
• REVETEMENTS DE MULLITE PROJETES PAR PLASMA SUR DES CORPS CERAMIQUES A BASE DE SILICIUM

(71) **UNITED TECHNOLOGIES CORPORATION** [US/US]; United Technologies Building, Hartford, CT 06101 (US).

(72) **McCLUSKEY, Philip, H.**; 2025 West Murphy Drive, Dunlap, IL 61525 (US). **EATON, Harry, E., Jr.**; 391 Perrin Road, Woodstock, CT 06281 (US). **GODIN, Daniel, R.**; 4480 Townhouse Road, East Waterboro, ME 04030 (US). **FOSTER, George, E.**; 14 Lynn Lane RFD5, Dudley, MA 01571 (US). **HARTER, H., David**; 163 Summerfield Drive, Munhall, PA 15120 (US). **CHIN, Stephen**; 9 Templeton Road, Wallingford, CT 06492 (US). **COTNOIR, Glenn, A.**; 8 Emil Drive, Thompson, CT 06277 (US). **ELLIS, Charles, A.**; 1809 N.W. Bright River Point, Stuart, FL 34994 (US).

(74) **SCHNEEBERGER, Stephen, A.**; United Technologies Research Center, 411 Silver Lane – MS 129–6, East Hartford, CT 06108 (US).

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

---

(11) **WO 99/24380** (13) A1

(21) PCT/EP98/06823

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 48 884.6 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C05G 3/00**

(54) • FLOWABLE MULTICOMPONENT MIXTURES FOR PROMOTING THE GROWTH OF THE SOIL MICRO–ORGANISM FLORA, AND USE OF THE SAME
• MELANGES MULTICONSTITUANTS COULANTS POUR STIMULER LA CROISSANCE DE LA FLORE MICROBIENNE DU SOL, ET LEUR UTILISATION

(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) **VON TAPAVICZA, Stephan** [DE/DE]; Thomas–Mann–Strasse 12, D–40699 Erkrath (DE). **KOPP–HOLTWIESCHE, Bettina** [DE/DE]; Tönisstrasse 29, D–40599 Düsseldorf (DE). **BELL, Doris** [DE/DE]; Kirchfeldstrasse 104, D–40215 Düsseldorf (DE). **BÖTTCHER, Heinz** [DE/DE]; Wannenmühle 18, D–40699 Erkrath (DE). **MÜNTEFERING, Hubert** [DE/DE]; Rennenkamp 11, D–59590 Geseke (DE).

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

---

(11) **WO 99/24381** (13) A1

(21) PCT/JP98/05029

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/325222 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07B 51/00, C07C 33/22, 35/12, 35/37, 29/132, C07D 233/58, 207/323, 493/04, 217/04, 209/08, 209/86, C07C 41/26, 43/23, 43/13, 43/178, 209/62, 211/48, 211/27, 211/45, 211/46, 311/15, 303/40, 231/08, 233/05, 233/07, 233/65, 233/73, 233/75, C07J 9/00, B01J 31/24**

(54) • NOVEL METHOD OF CATALYTIC REMOVAL OF PROTECTIVE GROUP WITH ALLYL GROUP
• NOUVEAU PROCEDE D'ENLEVEMENT CATALYTIQUE DE GROUPE PROTECTEUR AU MOYEN D'UN GROUPE ALLYLE

(71) **CHISSO CORPORATION** [JP/JP]; 6–32, Nakanoshima 3–chome, Kita–ku, Osaka–shi, Osaka 530–0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OGASAWARA, Kunio** [JP/JP]; 37–32, Asahigaoka 2–chome, Aoba–ku, Sendai–shi, Miyagi–ken 981–0904 (JP). **TANIGUCHI, Takahiko** [JP/JP]; 4–8–405, Kongousawa 1–chome, Taihaku–ku, Sendai–shi, Miyagi–ken 982–0803 (JP).

(74) **FUNAHASHI, Eiko**; Noahx Building, 3rd floor, 16–4, Nishishinbashi 1–chome, Minato–ku, Tokyo 105–0003 (JP).

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

---

(11) **WO 99/24382** (13) A1

(21) PCT/EP98/07002

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) fr (26) fr

(31) 9700896 (32) **7 Nov/nov 1997** (33) BE **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07B 63/00, C02F 1/04, C07D 301/12, 301/32**

(54) • METHOD FOR SEPARATING AN ORGANIC COMPOUND FROM AN AQUEOUS MEDIUM
• PROCEDE POUR SEPARER UN COMPOSE ORGANIQUE D'UN MILIEU AQUEUX

(71) **SOLVAY (SOCIETE ANONYME)** [BE/BE]; 33, rue du Prince Albert, B–1050 Bruxelles (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOSSELIN, Benoît** [BE/FR]; 19, avenue de la République, F–39500 Tavaux (FR). **STREBELLE, Michel** [BE/BE]; 84, rue Sombre, B–1050 Bruxelles (BE).

(74) **VANDE GUCHT, Anne** et al. / etc.; Solvay (Société Anonyme), 310, rue de Ransbeek, B–1120 Bruxelles (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24383** (13) A1

(21) PCT/DK98/00488

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) PA 1997 01286 (32) **12 Nov/nov 1997** (33) DK **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 29/48**

(54) • A PROCESS FOR THE CATALYTIC OXIDATION OF HYDROCARBONS
• PROCEDE D'OXYDATION CATALYTIQUE D'HYDROCARBURES

(71) **STATOIL RESEARCH CENTRE** [NO/NO]; Posttuttak, N–7005 Trondheim (NO).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **BJERRUM, Niels, J.** [DK/DK]; Rådhusvej 59, DK–2920 Charlottenlund (DK). **XIAO, Gang** [CN/DK]; Bauneporten 21, 2. tv., DK–2800 Lyngby (DK). **HJULER, Hans, Aage** [DK/DK]; Dreyersvej 30, DK–2960 Rungsted Kyst (DK).

(74) **PLOUGMANN, VINGTOFT & PARTNERS A/S**; Sankt Annæ Plads 11, Postbox 3007, DK–1021 Copenhagen K (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 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24384** (13) A1

(21) PCT/US98/23345

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 08/966,879 (32) **10 Nov/nov 1997** (33) US **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 29/88, 31/12, 41/09, 43/04**

(54) • METHODS FOR DECOMPOSING ESTERS AND PURIFYING ALCOHOLS
• PROCEDES DE DECOMPOSITION D'ESTERS ET DE PURIFICATION D'ALCOOLS

(71) **HUNTSMAN SPECIALTY CHEMICALS CORPORATION** [US/US]; 7114 North Lamar Boulevard, Austin, TX 78752 (US).

(72) **KNIFTON, John, F.**; Apartment #2501, 14855 Memorial Drive, Houston, TX 77079 (US). **SANDERSON, John, R.**; 7613 Baja Cove, Austin, TX 78759 (US). **SMITH, William, A.**; 64 Twin Ridge Parkway, Round Rock, TX 78664 (US).

(74) **STOLLE, Russell, R.**; Huntsman Corporation, P.O. Box 15730, Austin, TX 78761 (US).

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

---

(11) **WO 99/24385** (13) A1

(21) PCT/EP98/07080

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 48 819.6 (32) **5 Nov/nov 1997** (33) DE **(05.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 43/225, C09K 19/32, C07C 25/13, C07F 5/02, C07C 37/01, 25/24**

(54) • FLUORINATED DERIVATIVES OF PHENANTHRENE AND THE UTILIZATION THEREOF IN LIQUID CRYSTAL MIXTURES
• DERIVES FLUORES DE PHENANTHRENE ET LEUR UTILISATION DANS DES MELANGES A CRISTAUX LIQUIDES

(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) **WINGEN, Rainer** [DE/DE]; Langenhainer Weg 11, D–65795 Hattersheim (DE).

(74) **ISENBRUCK, Günter**; Bardehle et al., Theodor–Heuss–Anlage 12, D–68165 Mannheim (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)*

---

(11) **WO 99/24386** (13) A1

(21) PCT/GB98/03309

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 97309100.2 (32) **12 Nov/nov 1997** (33) EP **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 49/00, C07D 309/22, 317/26, 319/06, C11B 9/00**

(54) • PRINS REACTION PRODUCTS OF 5,7–DIMETHYL–OCT–6–EN–2–ONE AND THEIR USE AS FRAGRANCE MATERIALS
• PRODUITS DE REACTION DE PRINS DE 5,7–DIMETHYL–OCT–6–EN–2–ONE ET LEUR UTILISATION EN TANT QUE MATERIAUX AROMATIQUES

(71) **QUEST INTERNATIONAL B.V.** [NL/NL]; Huizerstraatweg 28, NL–1411 GP Naarden (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MUNRO, David** [GB/GB]; 139 London Road, Maidstone, Kent ME16 0HF (GB).

(74) **HUMPHRIES, Martyn** et al. / etc.; ICI Group Intellectual Property, P.O. Box 90, Wilton, Middlesbrough, Cleveland TS90 8JE (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24387** (13) A1

(21) PCT/US98/23311

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 60/064,782 (32) **10 Nov/nov 1997** (33) US **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 67/58, 67/02, C07H 13/06**

(54) • A PROCESS FOR MAKING HIGH PURITY FATTY ACID LOWER ALKYL ESTERS
• PROCEDE DE FABRICATION D'ALKYLESTERS INFERIEURS D'ACIDES GRAS DE HAUTE PURETE

(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) **KENNEALLY, Corey, James** [US/US]; 3770 Springmill Way, Maineville, OH 45039 (US). **BUSCH, Gary, Allen** [US/US]; 731 Red Bud Avenue, Cincinnati, OH 45229 (US). **GANSMULLER, Erich, William** [US/US]; 3823 Forest Avenue, Norwood, OH 45212 (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 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 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).

---

(11) **WO 99/24388** (13) A1

(21) PCT/JP98/05064

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/327141 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 69/716, 67/02**

(54) • JASMONIC ACID COMPOUNDS AND PROCESS FOR THE PREPARATION THEREOF
• COMPOSES D'ACIDE JASMONIQUE ET PROCEDE DE PREPARATION

(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) **FUJISAWA, Hiroshi** [JP/JP]; 2–16–18–301, Kosugijinyacho, Nakahara–ku, Kawasaki–shi, Kanagawa 211–0062 (JP). **WATANABE, Kanzunori** [JP/JP]; 3–24–7–304, Miyauchi, Nakahara–ku, Kawasaki–shi, Kanagawa 211–0051 (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) CN IL KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24389** (13) A1

(21) PCT/SE98/01772

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 9704116–4 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 209/04, 209/16**

(54) • AMINATION PROCESS
• PROCESSUS D'AMINATION

(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)

(72, 75) **GÜNTHER–HANSSEN, Johan** [SE/SE]; Hökergårdsgatan 11E, S–431 38 Mölndal (SE).

(74) **ANDERSSON, Rolf**; Akzo Nobel Surface Chemistry AB, S–444 85 Stenungsund (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24390** (13) A1

(21) PCT/DE98/03263

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 49 172.3 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(31) 197 49 171.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 227/08, 229/30**

(54) • PRODUCTION OF AMINOHALOGENCROTONATES
• PRODUCTION DE CROTONATES AMINOHALOGENES

(71) **SOLVAY FLUOR UND DERIVATE GMBH** [DE/DE]; Hans–Böckler–Allee 20, D–30173 Hannover (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRAUN, Max** [DE/DE]; Varloh 8, D–30900 Wedemark (DE). **JANSSENS, Francine** [BE/BE]; Steenweg op Koningslo 106, B–1800 Vilvoorde (BE). **RUDOLPH, Werner** [DE/DE]; Oderstrasse 38, D–30559 Hannover (DE). **EICHHOLZ, Kerstin** [DE/DE]; Schulenburger Mühle 24, D–30855 Langenhagen (DE).

(74) **LAUER, Dieter**; Solvay Pharmaceuticals GmbH, Hans–Böckler–Allee 20, D–30173 Hannover (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)*

---

(11) **WO 99/24391** (13) A1

(21) PCT/US98/23777

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,905 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 229/00, C08G 63/00, 63/06, C08L 69/00, 77/04**

(54) • RADIO–OPAQUE POLYMER BIOMATERIALS
• BIOMATERIAUX POLYMERES OPAQUES AUX RAYONS

(63) US 60/064,905 (CIP) 7 Nov/nov 1997 (07.11.1997)

(71) **RUTGERS, THE STATE UNIVERSITY** [US/US]; Old Queens, Somerset Street, New Brunswick, NJ 08903 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOHN, Joachim, B.** [DE/US]; 58 Brookdale Court, Highland Park, NJ 08904 (US). **BOLIKAL, Durgadas** [US/US]; 44 Middlesex Avenue, Edison, NJ 08820 (US). **PENDHARKAR, Sanyog, M.** [IN/US]; Apartment S10, 200 Swanton Street, Winchester, MA 01890 (US).

(74) **BUTCH, Peter, J., III** et al. / etc.; Synnestvedt & Lechner LLP, 2600 Aramark Tower, 1101 Market Street, Philadelphia, PA 19107–2950 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24392** (13) A1

(21) PCT/EP98/06811

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) en (26) en

(31) 97810833.0 (32) **6 Nov/nov 1997 (06.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 229/24, A23L 1/03, A61K 7/06, 7/48, D06M 13/342**

(54) • DIESTER AMINE ADDUCTS
• COMPOSES D'ADDITION DE DIESTER AMINE

(71) **CIBA SPECIALTY CHEMICALS HOLDING INC.** [CH/CH]; Klybeckstrasse 141, CH–4057 Basel (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EHLIS, Thomas** [DE/DE]; Ferdinand–Weiss–Strasse 30, D–79106 Freiburg (DE). **FANKHAUSER, Peter** [CH/CH]; Hauptstrasse 65, CH–4107 Ettingen (CH). **HÜGLIN, Dietmar** [DE/DE]; Dorfstrasse 3, D–79591 Eimeldingen (DE).

(74) **CIBA SPECIALTY CHEMICALS HOLDING INC.**; Patentabteilung, Klybeckstrasse 141, CH–4057 Basel (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24393** (13) A1

(21) PCT/US98/20934

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/064,738 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 233/16, 317/32, 251/24, 271/28, C07D 263/20**

(54) • PROCESS TO PRODUCE OXAZOLIDINONES
• PROCEDE DE PRODUCTION D'OXAZOLIDINONES

(71) **PHARMACIA & UPJOHN COMPANY** [US/US]; 301 Henrietta Street, Kalamazoo, MI 49001 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PEARLMAN, Bruce, A.** [US/US]; 3411 Willow Lake Drive #308, Kalamazoo, MI 49008 (US).

(74) **STEIN, Bruce**; Pharmacia & Upjohn Company, Intellectual Property Legal Services, 301 Henrietta Street, Kalamazoo, MI 49001 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24394** (13) A2

(21) PCT/US98/23598

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/968,902 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 245/08, 245/10, 233/87, 251/24, A61K 49/00, C07C 229/64, C07D 213/80, 261/20, C07C 65/19**

(54) • COMPOUNDS FOR THE ANTEMORTEM DIAGNOSIS OF ALZHEIMER'S DISEASE AND *IN VIVO* IMAGING AND PREVENTION OF AMYLOID DEPOSITION
• COMPOSES POUR DIAGNOSTIC AVANT DECES DE LA MALADIE D'ALZHEIMER ET IMAGERIE IN VIVO ET PREVENTION DU DEPOT DES PLAQUES AMYLOIDES

(63) US 08/968,902 (CON) 6 Nov/nov 1997 (06.11.1997)

(71) **UNIVERSITY OF PITTSBURGH** [US/US]; 911 William Pitt Union, Pittsburgh, PA 15260 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KLUNK, William, E.** [US/US]; 1108 Onondago Street, Pittsburgh, PA 15218 (US). **PETTEGREW, Jay, W.** [US/US]; 630 S. Linden Avenue, Pittsburgh, PA 15208 (US). **MATHIS, Chester, A., Jr.** [US/US]; 48 Fox Pointe Drive, Pittsburgh, PA 15238 (US).

(74) **BENT, Stephen, A.** et al. / etc.; Foley & Lardner, Suite 500, 3000 K Street, N.W., Washington, D.C. 20007–5109 (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 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).

---

(11) **WO 99/24395** (13) A1

(21) PCT/US98/23361

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 60/065,026 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/179,781 (32) **27 Oct/oct 1998 (27.10.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 255/51, 311/21, 233/67, 311/44, 257/18, C07D 235/16, 333/70, A61K 31/155, 31/275, 31/18, 31/38, 31/415**

(54) • COMPOUNDS WHICH INHIBIT TRYPTASE ACTIVITY
• COMPOSES INHIBANT L'ACTIVITE DE LA TRYPTASE

(71) **ARRAY BIOPHARMA, INC.** [US/US]; 1885 33rd Street, Boulder, CO 80301 (US).

(72) **BURGESS, Laurence**; 5617 Slick Rock Court, Boulder, CO 80301 (US). **RIZZI, James, P.**; 7180 Longview Drive, Niwot, CO 80503 (US).

(74) **ZIMMERMAN, Roger, P.**; McDonnell Boehnen Hulbert & Berghoff, 300 South Wacker Drive, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24396** (13) A1

(21) PCT/US98/24074

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,996 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/191,290 (32) **10 Nov/nov 1998 (10.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 259/06, 59/74, 311/29, A61K 51/04, C22B 60/00**

(54) • ION BINDING COMPOUNDS, RADIONUCLIDE COMPLEXES, METHODS OF EXTRACTING RADIONUCLEIDES, AND METHODS OF DELIVERING RADIONUCLIDES TO TARGET LOCATIONS
• COMPOSES DE FIXATION D'IONS, COMPLEXES DE RADIONUCLEIDES, PROCEDES DE PRODUCTION DE COMPLEXES DE RADIONUCLEIDES, PROCEDES D'EXTRACTION DE RADIONUCLEIDES ET PROCEDES D'APPLICATION DE RADIONUCLEIDES SUR DES POSITIONS CIBLES

(71) **BATTELLE MEMORIAL INSTITUTE** [US/US]; Pacific Northwest Division, Intellectual Property Services, P.O. Box 999, Richland, WA 99352 (US). **IDAHO RESEARCH FOUNDATION, INC.** [US/US]; Morrill Hall 103, University of Idaho, Moscow, ID 83444–3003 (US).

(72) **CHEN, Xiaoyuan**; Apartment 3, 109 E. 4th Street, Moscow, ID 83843 (US). **WAI, Chien, M.**; 472 Ridge Road, Moscow, ID 83843 (US). **FISHER, Darrell, R.**; 229 Saint, Richland, WA 99352 (US).

(74) **ZIMMERMAN, Paul, W.**; Battelle Memorial Institute, Pacific Northwest Division, Intellectual Property Services, P.O. Box 999, Richland, WA 99352 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24397** (13) A1

(21) PCT/JP98/04848

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) en (26) en

(31) PP 0291 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 271/28, C07D 303/22, A61K 31/335, 31/27**

(54) • BENZOCYCLOHEPTENE DERIVATIVES
• DERIVES DE BENZOCYCLOHEPTENE

(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) **HATTORI, Kouji** [JP/JP]; 1–7–1–915, Sumiregaoka, Takarazuka–shi, Hyogo 665–0847 (JP). **TANAKA, Akira** [JP/JP]; 9–10–302, Nakano–cho, Takarazuka–shi, Hyogo 665–0056 (JP).

(74) **NOGAWA, Shintaro**; Minamimorimachi Park Building, 1–3 Nishitenma 5–chome, Kita–ku, Osaka–shi, Osaka 530–0047 (JP).

(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)*

---

(11) **WO 99/24398** (13) A2

(21) PCT/GB98/03334

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723789.5 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 273/00**

(54) • CHEMICAL COMPOUNDS
• COMPOSES CHIMIQUES

(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) **BRITTAIN, David, Robert** [GB/GB]; Alderley Park, Macclesfield, Cheshire SK10 4TG (GB). **JOHNSTONE, Craig** [GB/GB]; Alderley Park, Macclesfield, Cheshire SK10 4TG (GB).

(74) **BRYANT, Tracey**; Zeneca Pharmaceuticals, Intellectual Property Dept., Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24399** (13) A1

(21) PCT/GB98/03395

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723906.5 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(31) 9802618.0 (32) **6 Feb/fév 1998 (06.02.1998)** (33) GB

(31) 9813933.0 (32) **26 Jun/juin 1998 (26.06.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 311/04, C07D 211/96, 233/72, 309/08, 401/12, 401/14, 407/12, A61K 31/16, 31/18, 31/19, 31/415**

(54) • HYDROXAMIC AND CARBOXYLIC ACID DERIVATIVES HAVING MMP AND TNF INHIBITORY ACTIVITY
• DERIVES D'ACIDE HYDROXAMIQUE ET CARBOCYCLIQUE AYANT UNE ACTIVITE D'INHIBITION DES MMP ET DU TNF

(71) **DARWIN DISCOVERY LIMITED** [GB/GB]; Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB).

(72) **BAXTER, Andrew, Douglas**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB). **OWEN, David, Alan**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB). **MONTANA, John, Gary**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB). **WATSON, Robert, John**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB).

(74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24400** (13) A1

(21) PCT/US98/23746

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,267 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07C 319/00, 9/02**

(54) • PROBUCOL ESTERS AND USES THEREOF
• ESTERS DE PROBUCOL ET LEURS UTILISATIONS

(63) US 60/065,267 (CIP) 10 Nov/nov 1997 (10.11.1997)

(71) **VYREX CORPORATION** [US/US]; 2159 Avenida de la Playa, La Jolla, CA 92037 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HENDLER, Sheldon, S.** [US/US]; 2159 Avenida de la Playa, La Jolla, CA 92037 (US). **SANCHEZ, Robert, A.** [US/US]; 5531 West, 13680 South, Riverton, UT 84065 (US). **ZIELINSKI, Jan** [US/US]; Suite C, 10366 Roselle Street, San Diego, CA 92121 (US).

(74) **EINHORN, Gregory, P.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24401** (13) A1

(21) PCT/US98/23239

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,051 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 211/46, A61K 31/445**

(54) • USE OF ALKYLATED IMINOSUGARS TO TREAT MULTIDRUG RESISTANCE
• EMPLOI D'IMINOSUCRES ALKYLES POUR TRAITER LA RESISTANCE MULTIPLE AUX ANTICANCEREUX

(71) **G.D. SEARLE & CO.** [US/US]; Corporate Patent Dept., P.O. Box 5110, Chicago, IL 60680–5110 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JACOB, Gary, S.** [US/US]; 12541 Mason Forest Drive, Creve Coeur, MO 63141 (US).

(74) **WILLIAMS, Roger, A.** et al. / etc.; G.D. Searle & Co., Corporate Patent Dept., P.O. Box 5110, Chicago, IL 60680–5110 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24402** (13) A1

(21) PCT/JP98/05085

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) ja (26) ja

(31) 9/310573 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 211/94, C08F 2/00**

(54) • N–OXYL COMPOUNDS, PROCESS FOR THE PREPARATION THEREOF, AND PROCESS FOR INHIBITING THE POLYMERIZATION OF VINYL MONOMERS WITH THE SAME
• COMPOSES N–OXYLE, LEUR PROCEDE DE PREPARATION ET PROCEDE LES UTILISANT POUR INHIBER LA POLYMERISATION DE MONOMERES VINYLIQUES

(71) **MITSUBISHI RAYON CO., LTD.** [JP/JP]; 6–41, Konan 1–chome, Minato–ku, Tokyo 108–8506 (JP). **OSAKA ORGANIC CHEMICAL IND. CO., LTD.** [JP/JP]; 7–20, Azuchimachi 1–chome, Chuo–ku, Osaka–shi, Osaka 541–0052 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DOI, Junichi** [JP/JP]; Corporate Research Laboratories, Mitsubishi Rayon, Co., Ltd., 20–1, Miyukicho, Otake–shi, Hiroshima 739–0693 (JP). **SONOBE, Hiroshi** [JP/JP]; Corporate Research Laboratories, Mitsubishi Rayon, Co., Ltd., 20–1, Miyukicho, Otake–shi, Hiroshima 739–0693 (JP). **TANI, Akio** [JP/JP]; Matto Factory, Osaka Organic Chemical Ind. Co., Lt, d., 1600–1, Matsumotocho, Matto–shi, Ishikawa 924–0057 (JP). **SUZUKI, Shinji** [JP/JP]; Kashiwara Factory, Osaka Organic Chemical Ind. Co., , Ltd., 18–8, Katayamacho, Kashiwara–shi, Osaka 582–0020 (JP). **AKEHI, Masafumi** [JP/JP]; Kashiwara Factory, Osaka Organic Chemical Ind. Co., , Ltd., 18–8, Katayamacho, Kashiwara–shi, Osaka 582–0020 (JP).

(74) **WAKABAYASHI, Tadashi** et al. / etc.; 16th Kowa Building, 8th floor, 9–20, Akasaka 1–chome, Minato–ku, Tokyo 107–0052 (JP).

(81) CN DE JP US.

---

(11) **WO 99/24403** (13) A1

(21) PCT/EP98/06934

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 979.1 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(31) 60/065,885 (32) **17 Nov/nov 1997 (17.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 213/40, 241/12, C07C 275/40, A61K 31/44, 31/50, 31/17**

(54) • N,N'–SUBSTITUTED CARBAMIDES USED AS A MEDICAMENT
• UREES A SUBSTITUTION N,N' A USAGE MEDICAMENTEUX

(71) **SCHERING AKTIENGESELLSCHAFT** [DE/DE]; D–13342 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BUCHMANN, Bernd** [DE/DE]; Erdmannsstrasse 44, D–16540 Hohen Neuendorf (DE). **SKUBALLA, Werner** [DE/DE]; Mattersburger Weg 12, D–13465 Berlin (DE). **HENNEKES, Hartwig** [DE/DE]; Agricolastrasse 25, D–10555 Berlin (DE). **GIESEN, Claudia** [DE/DE]; Hakenfelder Strasse 8c, D–13587 Berlin (DE). **PRIBILLA, Iris** [DE/DE]; Insterburger Allee 22i, D–14055 Berlin (DE). **TOSCHI, Luisella** [IT/DE]; Sömmeringstrasse 40, D–10589 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24404** (13) A1

(21) PCT/US98/23510

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,953 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/185,119 (32) **3 Nov/nov 1998 (03.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 213/73, 213/75, 213/82, A61K 31/44, C07D 413/12, 401/12, 409/12, 417/12, 471/04, 405/12**

(54) • SUBSTITUTED PYRIDINE COMPOUNDS AS ANTI–INFLAMMATORY AGENTS
• COMPOSES PYRIDINE SUBSTITUES PRESENTANT UNE ACTION ANTI–INFLAMMATOIRE

(71) **AMGEN INC.** [US/US]; One Amgen Center Drive, Thousand Oaks, CA 91320–1799 (US).

(72) **MANTLO, Nathan, B.**; 2538 Ginny Way, Lafayette, CO 80026 (US). **SCHLACHTER, Steven, T.**; 4882 Dakota Boulevard, Boulder, CO 80304 (US). **JOSEY, John, A.**; 7173 Burgundy Drive, Longmont, CO 80503 (US).

(74) **ODRE, Steven, M.** et al. / etc.; Amgen Inc., One Amgen Center Drive, Thousand Oaks, CA 91320–1799 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24405** (13) A1

(21) PCT/US98/23223

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/966,344 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/129,711 (32) **5 Aug/août 1998 (05.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 233/64, A61K 31/415**

(54) • H_3 RECEPTOR LIGANDS OF THE PHENYL–ALKYL–IMIDAZOLES TYPE
• LIGANDS DU RECEPTEUR H_3 DU TYPE PHENYL–ALKYL–IMIDAZOLE

(63) US 08/966,344 (CIP) 7 Nov/nov 1997 (07.11.1997)
US 08/129,711 (CIP) 5 Aug/août 1998 (05.08.1998)

(71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ASLANIAN, Robert, G.** [US/US]; 144 Philip Drive, Rockaway, NJ 07866 (US). **McCORMICK, Kevin, D.** [US/US]; 5 Pace Drive, Edison, NJ 08820 (US). **MUTAHI, Mwangi, Wa** [KE/US]; 257Q Thornall Street, Edison, NJ 08837 (US).

(74) **JEANETTE, Henry, C.** et al. / etc.; Schering–Plough Corporation, Patent Dept., K–6–1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GD GE HR HU ID IL 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; 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).

---

(11) **WO 99/24406** (13) A1

(21) PCT/US98/23225

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/966,264 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 233/64, A61K 31/415, C07D 409/12, 405/12, 403/12, 401/12**

(54) • PHENYL–ALKYL–IMIDAZOLES AS H3 RECEPTOR ANTAGONISTS
• PHENYL–ALKYL–IMIDAZOLES UTILISES COMME ANTAGONISTES DU RECEPTEUR H_3

(63) US 08/966,264 (CIP) 7 Nov/nov 1997 (07.11.1997)

(71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ASLANIAN, Robert, G.** [US/US]; 144 Philip Drive, Rockaway, NJ 07866 (US). **McCORMICK, Kevin, D.** [US/US]; 5 Pace Drive, Edison, NJ 08820 (US). **PIWINSKI, John, J.** [US/US]; 6 Saddle Ridge Drive, Lebanon, NJ 08833 (US).

(74) **JEANETTE, Henry, C.** et al. / etc.; Schering–Plough Corporation, Patent Dept. K–6–1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GD GE HR HU ID IL 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; 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).

---

(11) **WO 99/24407** (13) A1

(21) PCT/US98/23362

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 60/065,154 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/179,695 (32) **27 Oct/oct 1998 (27.10.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 235/16, 209/18, 209/42, 333/60, 333/62, 235/14, 209/08, 401/12, 403/12, 409/12, C07C 257/18, A61K 31/155, 31/40, 31/415, 31/38**

(54) • COMPOUNDS WHICH INHIBIT TRYPTASE ACTIVITY
• COMPOSES INHIBANT L'ACTIVITE DE LA TRYPTASE

(71) **AMGEN INC.** [US/US]; One Amgen Center Drive, Thousand Oaks, CA 91320–1799 (US).

(72) **BURGESS, Laurence**; 5617 Slick Rock Court, Boulder, CO 80301 (US). **RIZZI, James, P.**; 7180 Longview Drive, Niwot, CO 80503 (US).

(74) **ODRE, Steven, M.** et al. / etc.; Amgen Inc., One Amgen Center Drive, Thousand Oaks, CA 91320–1799 (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).

---

(11) **WO 99/24408** (13) A1

(21) PCT/GB98/03394

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723905.7 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 239/22, A61K 31/505**

(54) • HETEROCYCLIC COMPOUNDS HAVING MMP AND TNF INHIBITORY ACTIVITY
• COMPOSES HETEROCYCLIQUES AYANT UNE ACTIVITE D'INHIBITION DES MMP ET DU TNF

(71) **DARWIN DISCOVERY LIMITED** [GB/GB]; Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB).

(72) **BAXTER, Andrew, Douglas**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB). **OWEN, David, Alan**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB). **MONTANA, John, Gary**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB).

(74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24409** (13) A1

(21) PCT/EP98/07177

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 2603/97 (32) **12 Nov/nov 1997 (12.11.1997)** (33) CH

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 261/10, 413/04, A01N 43/80, C07D 261/18, 261/04, C07C 327/58**

(54) • ISOXAZOLE DERIVATIVES AND THEIR USE AS HERBICIDES
• DERIVES D'ISOXAZOLE ET LEUR UTILISATION COMME HERBICIDES

(71) **NOVARTIS AG** [CH/CH]; Schwarzwaldallee 215, CH–4058 Basel (CH).
(for all designated States except / pour tous les États désignés sauf AT US)

(71) **NOVARTIS–ERFINDUNGEN VERWALTUNGSGESELLSCHAFT M.B.H.** [AT/AT]; Brunner Strasse 59, A–1235 Vienna (AT).
(only for / seulement pour AT)

(72, 75) **SCHAETZER, Jürgen** [DE/DE]; Holbeinstrasse 1, D–79618 Rheinfelden (DE). **KUNZ, Walter** [CH/CH]; Buchenstrasse 9, CH–4104 Oberwil (CH). **DE MESMAEKER, Alain** [BE/CH]; Ueligasse 31, CH–4447 Kaenerkinden (CH).

(74) **BECKER, Konrad**; Novartis AG, Patent– und Markenabteilung, Lichtstrasse 35, CH–4002 Basel (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24410** (13) A1

(21) PCT/US98/24036

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,502 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 263/10, C07C 29/143, C07B 53/00, C07D 263/62, B01J 31/18**

(54) • TRANSITION METAL–CATALYZED REACTIONS BASED ON CHIRAL AMINE OXAZOLINYL LIGANDS
• REACTIONS CATALYSEES PAR DES METAUX DE TRANSITION BASEES SUR DES LIGANDS D'AMINE–OXAZOLINYLE CHIRAUX

(71) **THE PENNSYLVANIA STATE UNIVERSITY** [US/US]; 113 Technology Center, 200 Innovation Boulevard, University Park, PA 18602–7000 (US).

(72) **ZHANG, Xumu**; Department of Chemistry, The Pennsylvania State University, 152 Davey Laboratory, University Park, PA 16802 (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) AL AM AT AU AZ 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24411** (13) A1

(21) PCT/AU98/00919

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) PP 0202 (32) **5 Nov/nov 1997 (05.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 263/28, 263/12, 265/08, 277/10, 277/18, 277/60, 279/06, 279/08, C07K 14/705, C07H 21/00, G01N 33/566, A61K 31/42**

(54) • RECEPTOR WITH AN AFFINITY FOR COMPOUNDS OF THE OXAZOLINE CLASS
• RECEPTEUR POSSEDANT UNE AFFINITE POUR DES COMPOSES DE LA CATEGORIE DES OXAZOLINES

(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) **LOUIS, William, J.** [AU/AU]; P.O. Box 21, Rosanna, VIC 3084 (AU). **JACKMAN, Graham, P.** [AU/AU]; 152 Ferntree Gully Road, North Clayton, VIC 3168 (AU). **CONWAY, Elizabeth, L.** [AU/AU]; 11 Goodall Street, Hawthorn, VIC 3122 (AU). **GUNDLACH, Andrew, L.** [AU/AU]; 546 Barkers Road, Hawthorn East, VIC 2123 (AU). **IAKOVIDIS, Dimitri** [AU/AU]; 183 Church Road, Doncaster, VIC 3108 (AU). **KING, Paul, R.** [AU/AU]; 6 Mitchell Street, Brunswick, VIC 3056 (AU). **LOUIS, Simon, N., S.** [AU/AU]; 46 Fergie Street, North Fitzroy, VIC 3068 (AU). **NERO, Tracy** [AU/AU]; 42 Oberon Avenue, St. Albans, VIC 3021 (AU).

(74) **SLATTERY, John, M.** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24412** (13) A1

(21) PCT/JP98/04752

(22) **20 Oct/oct 1998 (20.10.1998)**

(25) ja (26) ja

(31) 9/307535 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 273/00**

(54) • NOVEL CRYSTAL OF DEPSIPEPTIDE DERIVATIVE AND PROCESS FOR PRODUCING THE SAME
• NOUVEAU CRISTAL DE DERIVE DEPSIPEPTIDIQUE ET PROCEDE DE PRODUCTION

(71) **FUJISAWA PHARMACEUTICAL CO., LTD.** [JP/JP]; 4–7, Doshomachi 3–chome, Chuo–ku, Osaka–shi, Osaka–fu 541–8514 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMAMURA, Atsushi** [JP/JP]; 10–8–214, Higashimikuni 2–chome, Yodogawa–ku, Osaka–shi, Osaka–fu 532–0002 (JP). **YAMANISHI, Ryo** [JP/JP]; 2–20–204, Umezono 2–chome, Tsukuba–shi, Ibaraki–ken 305–0045 (JP). **IKUSHIMA, Muneharu** [JP/JP]; 1–2–806, Komatsu 3–chome, Higashiyodogawa–ku, Osaka–shi, Osaka–fu 533–0004 (JP).

(74) **KOTANI, Etsuji** et al. / etc.; Sumisei Naniwasuji Honmachi Building, 3–2, Utsubohonmachi 2–chome, Nishi–ku, Osaka–shi, Osaka–fu 550–0004 (JP).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24413** (13) A2

(21) PCT/EP98/07056

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 50 012.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 275/02, A01N 43/80**

(54) • ISOTHIAZOLE CARBOXYLIC ACID AMIDES AND THE APPLICATION THEREOF IN ORDER TO PROTECT PLANTS
• AMIDES D'ACIDE ISOTHIAZOL CARBOXYLIQUE ET LEUR UTILISATION POUR LA PROTECTION DE PLANTES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ASSMANN, Lutz** [DE/DE]; Schimmelreiterweg 6, D–25826 St. Peter–Ording (DE). **KUHNT, Dietmar** [DE/DE]; Eschenallee 6d, D–51399 Burscheid (DE). **ELBE, Hans–Ludwig** [DE/DE]; Dasnöckel 59, D–42329 Wuppertal (DE). **ERDELEN, Christoph** [DE/DE]; Unterbüscherhof 15, D–42799 Leichlingen (DE). **DUTZMANN, Stefan** [DE/DE]; Weissenstein 95, D–40764 Langenfeld (DE). **HÄNSSLER, Gerd** [DE/DE]; Am Arenzberg 58a, D–51381 Leverkusen (DE). **STENZEL, Klaus** [DE/DE]; Seesener Strasse 17, D–40595 Düsseldorf (DE). **MAULER–MACHNIK, Astrid** [DE/DE]; Neuenkamper Weg 46a, D–42799 Leichlingen (DE). **KITAGAWA, Yoshinori** [JP/JP]; 1085, Ara–machi, Moka–shi, Tochigi 321–4305 (JP). **SAWADA, Haruko** [JP/JP]; 848–4, Obadayashi, Yuki–shi, Ibaraki 307–0007 (JP). **SAKUMA, Haruhiko** [JP/JP]; 4–29–19, Higashijonan, Oyama–shi, Tochigi 323–0829 (JP).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24414** (13) A1

(21) PCT/EP98/06960

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 50 011.0 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 275/03, 417/12, A01N 43/80**

(54) • ISOTHIAZOLCARBOXYLIC ACID DERIVATIVES
• DERIVES D'ACIDE ISOTHIAZOLCARBOXYLIQUE

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ASSMANN, Lutz** [DE/DE]; Schimmelreiterweg 6, D–25826 St. Peter Ording (DE). **KUHNT, Dietmar** [DE/DE]; Eschenallee 6 d, D–51399 Burscheid (DE). **ELBE, Hans–Ludwig** [DE/DE]; Dasnöckel 59, D–42329 Wuppertal (DE). **ERDELEN, Christoph** [DE/DE]; Unterbüscherhof 15, D–42799 Leichlingen (DE). **DUTZMANN, Stefan** [DE/DE]; Weißenstein 95, D–40764 Langenfeld (DE). **HÄNSSLER, Gerd** [DE/DE]; Am Arenzberg 58a, D–51381 Leverkusen (DE). **STENZEL, Klaus** [DE/DE]; Seesener Strasse 17, D–40595

Düsseldorf (DE). **MAULER–MACHNIK, Astrid** [DE/DE]; Neuenkamper Weg 46a, D–42799 Leichlingen (DE). **SAWADA, Haruko** [JP/JP]; 848–4, Obadayashi, Yuki–shi, Ibaraki 307–0007 (JP). **SAKUMA, Haruhiko** [JP/JP]; 4–29–19, Higashijonan, Oyama–shi, Tochigi 323–0829 (JP).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24415** (13) A1

(21) PCT/JP98/05091

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) ja (26) ja

(31) 9/310835 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 277/34, 417/10, A61K 31/425, 31/55**

(54) • RETINOID RECEPTOR AGONISTS
• AGONISTES DU RECEPTEUR DU RETINOIDE

(71) **INSTITUTE OF MEDICINAL MOLECULAR DESIGN, INC.** [JP/JP]; Kadokawa–hongo Building, 4th floor, 24–5, Hongo 5–chome, Bunkyo–ku, Tokyo 113–0033 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAGECHIKA, Hiroyuki** [JP/JP]; 2–39–6, Oizumi–machi, Nerima–ku, Tokyo 161–0062 (JP). **HASHIMOTO, Yuichi** [JP/JP]; 16–18, Nakaochiai 3–chome, Shinjuku–ku, Tokyo 161–0032 (JP). **ITAI, Akiko** [JP/JP]; 5–16–6, Hongo, Bunkyo–ku, Tokyo 113–0033 (JP).

(74) **IMAMURA, Masazumi** et al. / etc.; KRF Building, 5th floor, 5–5, Kyobashi 1–chome, Chuo–ku, Tokyo 104–0031 (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 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).

---

(11) **WO 99/24416** (13) A1

(21) PCT/US98/23197

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 60/065,195 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 277/54, 417/12, A61K 31/425**

(54) • AMINOTHIAZOLE INHIBITORS OF CYCLIN DEPENDENT KINASES
• INHIBITEURS AMINOTHIAZOLES DE KINASES DEPENDANTES DE LA CYCLINE

(71) **BRISTOL–MYERS SQUIBB COMPANY** [US/US]; P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(72) **KIM, Kyoung, S.**; 13A Lincoln Place, North Brunswick, NJ 08902 (US). **KIMBALL, S., David**; 13 Charred Oak Lane, East Windsor, NJ 08520 (US). **POSS, Michael, A.**; 15 Valerie Lane, Lawrenceville, NJ 08648 (US). **MISRA, Raj, N.**; 12 Eaton Place, Hopwell, NJ 08525 (US). **CAI, Zhen–Wei**; 184 Wildflower Lane, Somerville, NJ 08876 (US). **RAWLINS, David, B.**; 219 Vernon Road, Morrisville, PA 19067 (US). **WEBSTER, Kevin**; 804 Roelofs Road, Yardley, PA 19067 (US). **HUNT, John, T.**; 7 Skyfield Drive, Princeton, NJ 08540 (US). **HAN, Wen–Ching**; 2062 East Wellington Road, Newtown, PA 18940 (US).

(74) **MARENBERG, Barry, J.** 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 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).

---

(11) **WO 99/24417** (13) A1

(21) PCT/CA98/01036

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 2,220,541 (32) **7 Nov/nov 1997 (07.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 311/72, A61K 31/335**

(54) • ANALOGS OF VITAMIN E
• ANALOGUES DE LA VITAMINE E

(71) **MCGILL UNIVERSITY** [CA/CA]; 845 Sherbrooke Street West, Montréal, Québec H3A 2T5 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ALAOUI–JAMALI, Moulay, Abdellah** [CA/CA]; 1745 Rue Taschereau, Duvernay, Laval, Québec H7G 2P1 (CA). **ARYA, Prabhat** [CA/CA]; 5841 Gladewoods Place, Orleans, Ontario K1W 1G6 (CA). **BURTON, Graham, W.** [CA/CA]; 1942 Raymond Labrosse, Orleans, Ontario K1W 1C2 (CA). **BATIST, Gerald** [CA/CA]; 4670 Grosvenor Street, Montréal, Québec H3W 2L8 (CA). **WANG, Taiqi** [CA/CA]; Appartement 602, 7 Côte Sainte–Catherine, Montréal, Québec H2V 1Z9 (CA).

(74) **CÔTÉ, France** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montréal, Québec 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24418** (13) A1

(21) PCT/US98/24159

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/969,178 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 319/06**

(54) • PRODUCTION OF AN OPTICALLY ACTIVE ALDEHYDE BY HYDROFORMYLATION OF A TERMINAL OLEFIN SUBSTRATE
• PRODUCTION D'UN ALDEHYDE OPTIQUEMENT ACTIF PAR HYDROFORMYLATION D'UN SUBSTRAT D'OLEFINE TERMINALE

(71) **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street and Broadway, New York, NY 10027 (US).

(72) **LEIGHTON, James, L.**; Apartment #73, 601 West 115th Street, New York, NY 10025 (US). **O'NEIL, Deidre, N.**; 108 Park Terrace East #1D, New York, NY 10034 (US).

(74) **WHITE, John, P.**; Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY 10036 (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).

---

(11) **WO 99/24419** (13) A1

(21) PCT/GB98/03396

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723904.0 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(31) 9814043.7 (32) **29 Jun/juin 1998 (29.06.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 333/60, A61K 31/38**

(54) • HYDROXAMIC AND CARBOXYLIC ACID DERIVATIVES HAVING MMP AND TNF INHIBITORY ACTIVITY
• DERIVES D'ACIDE HYDROXAMIQUE ET CARBOXYLIQUE AYANT UNE ACTIVITE D'INHIBITION DES MMP ET DU TNF

(71) **DARWIN DISCOVERY LIMITED** [GB/GB]; Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB).

(72) **BAXTER, Andrew, Douglas**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB). **OWEN, David, Alan**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB). **MONTANA, John, Gary**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB). **NICHOLSON, Elisabeth, Jane, Reed**; Darwin Discovery Limited, Cambridge Science Park, Milton Road, Cambridge CB5 5WE (GB).

(74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

(11) **WO 99/24420** (13) A1

(21) PCT/EP98/06988

(22) **23 Oct/oct 1998 (23.10.1998)**

(25) en (26) en

(31) 9723352.2 (32) **6 Nov/nov 1997 (06.11.1997)** (33) GB

(31) 9723358.9 (32) **6 Nov/nov 1997 (06.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 401/06, 239/56, 239/52, 401/14, 403/06, 405/06, 417/06, A61K 31/505**

(54) • PYRIMIDINONE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM
• COMPOSES DE PYRIMIDINONE ET COMPOSITIONS PHARMACEUTIQUES LES RENFERMANT

(71) **SMITHKLINE BEECHAM PLC** [GB/GB]; Two New Horizons Court, Brentford, Middlesex TW8 9EP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HICKEY, Deirdre, Mary, Bernadette** [IE/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB). **IFE, Robert, John** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB). **LEACH, Colin, Andrew** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB). **PINTO, Ivan, Leo** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB). **PORTER, Roderick, Alan** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB). **SMITH, Stephen, Allan** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue Harlow, Essex CM19 5AW (GB).

(74) **CONNELL, Anthony, Christopher**; SmithKline Beecham, Two New Horizons Court, Brentford, Middlesex TW8 9EP (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24421** (13) A1

(21) PCT/US98/23224

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,754 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 401/06, 403/06, A61K 31/445, 31/415**

(54) • IMIDAZOYLALKYL SUBSTITUTED WITH A FIVE, SIX OR SEVEN MEMBERED HETEROCYCLIC RING CONTAINING ONE NITROGEN ATOM
• IMIDAZOYLALKYLE SUBSTITUE PAR UN NOYAU HETEROCYCLIQUE A CINQ, SIX OU SEPT CHAINONS CONTENANT UN ATOME D'AZOTE

(63) US 08/965,754 (CIP) 7 Nov/nov 1997 (07.11.1997)

(71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VACCARO, Wayne, D.** [US/US]; 1706 Westover Road, Yardley, PA (US). **WOLIN, Ronald, L.** [US/US]; 42 Heatherwood Lane, Bedminster, NJ 07921 (US). **SOLOMON, Daniel, M.** [US/US]; 9 Marshall Drive, Edison, NJ 08817 (US). **ASLANIAN, Robert, G.** [US/US]; 144 Philip Drive, Rockaway, NJ 07866 (US). **PIWINSKI, John, J.** [US/US]; 6 Saddle Ridge Drive, Lebanon, NJ 08833 (US). **ROSENBLUM, Stuart, B.** [–/US]; 16 Steven Terrace, West Orange, NJ 07052 (US).

(74) **JEANETTE, Henry, C.** et al. / etc.; Schering–Plough Corporation, Patent Dept., K–6–1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033–0530 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GD GE HR HU ID IL 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; 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).

---

(11) **WO 99/24422** (13) A1

(21) PCT/DK98/00478

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 1259/97 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DK

(31) PA 1998 00850 (32) **26 Jun/juin 1998 (26.06.1998)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 401/12, A61K 31/44, 31/55**

(54) • AZARING–ETHER DERIVATIVES AND THEIR USE AS NICOTINIC ACH RECEPTOR MODULATORS
• DERIVES D'AZACYCLO–ETHER ET LEUR UTILISATION EN TANT QUE MODULATEURS DES RECEPTEURS ACH NICOTINIQUES

(71) **NEUROSEARCH A/S** [DK/DK]; Smedeland 26B, DK–2600 Glostrup (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PETERS, Dan** [SE/SE]; Nygatan 17, S–232 31 Ärlöv (SE). **OLSEN, Gunnar, M.** [DK/DK]; (DK). **NIELSEN, Simon, Feldbaek** [DK/DK]; (DK). **NIELSEN, Elsebet, Østergaard** [DK/DK]; NeuroSearch a/s, Smedeland 26B, DK–2600 Glostrup (DK).

(74) **NEUROSEARCH A/S**; Smedeland 26B, DK–2600 Glostrup (DK).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24423** (13) A1

(21) PCT/GB98/03299

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9723544.4 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 401/12, A61K 31/445**

(54) • PIPERIDINE DERIVATIVES AND THEIR USE AS TACHYKININ ANTAGONISTS
• DERIVES DE PIPERIDINE ET UTILISATION DE CES DERIVES COMME ANTAGONISTES DE TACHYKININE

(71) **MERCK SHARP & DOHME LIMITED** [GB/GB]; Hertford Road, Hoddesdon, Hertfordshire EN11 9BU (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ELLIOTT, Matthew, Jason** [GB/GB]; Terlings Park, Eastwick Road, Harlow, Essex CM20 2QR (GB).

(74) **HISCOCK, I., J.**; Merck & Co., Inc., European Patent Dept., Terlings Park, Eastwick Road, Harlow, Essex CM20 2QR (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24424** (13) A1

(21) PCT/JP98/04892

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) ja (26) ja

(31) 9/306167 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 403/04, C07F 7/18, A61K 31/50, 31/535**

(54) • PYRAZOLE COMPOUNDS AND MEDICINAL USE THEREOF
• COMPOSES DE PYRAZOLE ET UTILISATION DE CES COMPOSES EN TANT QUE MEDICAMENTS

(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) **AKAHANE, Atsushi** [JP/JP]; 5–1–29, Fushimidai, Inagawa–cho, Kawabe–gun, Hyogo 666–0262 (JP). **KURODA, Satoru** [JP/JP]; 3–6–21–207, Kotobuki–cho, Takatsuki–shi, Osaka 569–0826 (JP). **ITANI, Hiromichi** [JP/JP]; 3–34–7, Shirogane, Inagawa–cho, Kawabe–gun, Hyogo 666–0257 (JP).

(74) **TAKASHIMA, Hajime**; Yuki Building, 3–9, Hiranomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0046 (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).

---

(11) **WO 99/24425** (13) A1

(21) PCT/JP98/05011

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/305720 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 403/04, A61K 31/415**

(54) • BENZIMIDAZOLE DERIVATIVES AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF
• DERIVES DE BENZIMIDAZOLES ET SELS DE CES DERNIERS ACCEPTABLES SUR LE PLAN PHARMACEUTIQUE

(71) **TAIHO PHARMACEUTICAL CO., LTD.** [JP/JP]; 27, Kandanishikicho 1–chome, Chiyoda–ku, Tokyo 101–0054 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMADA, Shozo** [JP/JP]; 75–3–101, Aoki, Hanno–shi, Saitama 357–0003 (JP). **HOSOYA, Toshiyuki** [JP/JP]; 2–35–301, Hommachi 2–chome, Higashimatsuyama–shi, Saitama 355–0015 (JP). **KITAGAWA, Kazuhiro** [JP/JP]; 621–2–B–101, Iwasawa, Hanno–shi, Saitama 357–0023 (JP). **INOUE, Shin–ichi** [JP/JP]; 621–2–B–102, Iwasawa, Hanno–shi, Saitama 357–0023 (JP). **KINIWA, Mamoru** [JP/JP]; 1083–8, Iwai, Moroyama–cho, Iruma–gun, Saitama 350–0441 (JP). **ASAO, Tetsuji** [JP/JP]; 5063–1 48–2–504, Yamaguchi, Tokorozawa–shi, Saitama 359–1145 (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) AU CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24426** (13) A1

(21) PCT/JP98/05034

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/323971 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 405/06, A61K 31/44**

(54) • N–HYDROXYUREA DERIVATIVE AND MEDICINE CONTAINING THE SAME
• DERIVE DE N–HYDROXYUREE ET MEDICAMENT LE CONTENANT

(71) **NIKKEN CHEMICALS CO., LTD.** [JP/JP]; 4–14, Tsukiji 5–chome, Chuo–ku, Tokyo 104–0045 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OHMORI, Hiromasa** [JP/JP]; Omiya Research Laboratory, Nikken Chemicals Co., Ltd., 346, Kitabukurocho 1–chome, Omiya–shi, Saitama 330–0835 (JP). **KOMATSU, Toshiya** [JP/JP]; Omiya Research Laboratory Nikken Chemicals Co., Ltd., 346, Kitabukurocho 1–chome, Omiya–shi, Saitama 330–0835 (JP). **TAKANO, Michika** [JP/JP]; Omiya Research Laboratory Nikken Chemicals Co., Ltd., 346, Kitabukurocho 1–chome, Omiya–shi, Saitama 330–0835 (JP). **TSUZUKI, Mina** [JP/JP]; Omiya Research Laboratory Nikken Chemicals Co., Ltd., 346, Kitabukurocho 1–chome, Omiya–shi, Saitama 330–0835 (JP). **KAWAHARA, Yoshikazu** [JP/JP]; Omiya Research Laboratory Nikken Chemicals Co., Ltd., 346, Kitabukurocho 1–chome, Omiya–shi, Saitama 330–0835 (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).

---

(11) **WO 99/24427** (13) A1

(21) PCT/US98/23426

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,486 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 08/966,339 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 08/967,353 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 409/12, A01N 43/40, C07D 409/14**

(54) • HERBICIDAL FURANYL– AND THIENYLOXYAZINES
• FURANYL– ET THIENYLOXYAZINES UTILISEES COMME HERBICIDES

(71) **AMERICAN CYANAMID COMPANY** [US/US]; Five Giralda Farms, Madison, NJ 07940 (US).

(72) **KARP, Gary, Mitchell**; 37 Cartwright Drive, Princeton Junction, NJ 08550 (US). **CONDON, Michael, Edward**; 10 Bearfort Way, Lawrenceville, NJ 08648 (US). **KLEEMANN, Axel**; Amselstrasse 2, D–63454 Hanau (DE). **SCHEIBLICH, Stephan**; Backhaushohl 15, D–55128 Mainz (DE). **MAIER, Thomas**; Gruenewaldstrasse 13, D–55127 Mainz (DE). **BALTRUSCHAT, Helmut, Siegfried**; Deyertstrasse 10–12, D–55444 Schweppenhausen (DE).

(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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24428** (13) A1

(21) PCT/US98/22639

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 60/065,376 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 413/10, A61K 31/42, C07D 413/14**

(54) • OXAZOLIDINONE DERIVATIVES AND PHARMACEUTICAL COMPOSITIONS
• DERIVES D'OXAZOLIDINONE ET COMPOSITIONS PHARMACEUTIQUES

(71) **PHARMACIA & UPJOHN COMPANY** [US/US]; 301 Henrietta Street, Kalamazoo, MI 49001 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HESTER, Jackson, B., Jr.** [US/US]; 9219 East ML Avenue, Galesburg, MI 49053 (US).

(74) **PHARMACIA & UPJOHN COMPANY**; Intellectual Property Legal Services, 301 Henrietta Street, Kalamazoo, MI 49001 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24429** (13) A1

(21) PCT/JP98/05026

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/310633 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 417/12, A61K 31/425**

(54) • NOVEL THIAZOLIDINE COMPOUNDS AND MEDICINAL UTILIZATION THEREOF
• NOUVEAUX COMPOSES THIAZOLIDINE ET UTILISATION DE CEUX–CI EN MEDECINE

(71) **KYOTO PHARMACEUTICAL INDUSTRIES, LTD.** [JP/JP]; 38, Nishinokyo Tsukinowa–cho, Nakakyo–ku, Kyoto–shi, Kyoto 604–8444 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAMIYA, Shoji** [JP/JP]; 407, Kuraunhaimu–Kyotokamikatsura, 43, Kamikatsura, Maegawa–cho, Nishikyo–ku, Kyoto–shi, Kyoto 615–8211 (JP). **KASAI, Masayasu** [JP/JP]; 201, Birunubu–Yamatokoriyama, 556, Yanagi–cho, Yamatokoriyama–shi, Nara 639–1134 (JP). **YOSHIMI, Akihisa** [JP/JP]; 23–1, Jyonan–cho 1–chome, Takatsuki–shi, Osaka 569–0056 (JP). **SHIRAHASE, Hiroaki** [JP/JP]; 38–35, Imazato Kawara, Nagaokakyo–shi, Kyoto 617–0814 (JP). **MATSUI, Hiroshi** [JP/JP]; 14–4, Mimatsu 3–chome, Nara–shi, Nara 631–0074 (JP).

(74) **TAKASHIMA, Hajime**; Yuki Building, 3–9, Hiranomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0046 (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 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).

---

(11) **WO 99/24430** (13) A1

(21) PCT/JP98/05000

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/319182 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 471/14 // A61K 31/47**

(54) • NOVEL CAMPTOTHECIN DERIVATIVES
• NOUVEAUX DERIVES DE LA CAMPTOTHECINE

(71) **KABUSHIKI KAISHA YAKULT HONSHA** [JP/JP]; 1–19, Higashishinbashi 1–chome, Minato–ku, Tokyo 105–0021 (JP). **DAIICHI PHARMACEUTICAL CO., LTD.** [JP/JP]; 14–10, Nihonbashi 3–chome, Chuo–ku, Tokyo 103–0011 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OGAWA, Takanori** [JP/JP]; Kabushiki Kaisha Yakult Honsha, 1–19, Higashishinbashi 1–chome, Minato–ku, Tokyo 105–0021 (JP). **YAEGASHI, Takashi** [JP/JP]; Kabushiki Kaisha Yakult Honsha, 1–19, Higashishinbashi 1–chome, Minato–ku, Tokyo 105–0021 (JP). **SAWADA, Seigo** [JP/JP]; Kabushiki Kaisha Yakult Honsha, 1–19, Higashishinbashi 1–chome, Minato–ku, Tokyo 105–0021 (JP). **FURUTA, Tomio** [JP/JP]; Kabushiki Kaisha Yakult Honsha, 1–19, Higashishinbashi 1–chome, Minato–ku, Tokyo 105–0021 (JP).

(74) **KUZUWA, Kiyoshi** et al. / etc.; Kuzuwa & Partner, Patent Attorneys, Sogo Kojimachi Dai–ichi Building, 2, Kojimachi 3–chome, Chiyoda–ku, Tokyo 102–0083 (JP).

(81) AU BR CA CN KR 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).

---

(11) **WO 99/24431** (13) A1

(21) PCT/EP97/06379

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 473/00**

(54) • PROCESS FOR PREPARING A CHIRAL NUCLEOSIDE ANALOGUE
• PROCEDE DE PREPARATION D'UN ANALOGUE DE NUCLEOSIDE CHIRAL

(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) **WALLIS, Christopher, John** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **JONES, Martin, Francis** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **XIE, Shiping** [CN/US]; 102 Greygate Place, Cary, NC 27511 (US).

(74) **CRAWLEY, Karen**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (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 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24432** (13) A1

(21) PCT/JP98/05092

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) ja (26) ja

(31) 9/310365 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 473/00, 473/06, 473/16, 473/18, 473/28, 473/32, 473/34, 473/40, 239/48, 239/50, A61K 31/52, 31/535**

(54) • PURINE DERIVATIVES AND MEDICINE CONTAINING THE SAME AS THE ACTIVE INGREDIENT
• DERIVES DE PURINE ET MEDICAMENT LES RENFERMANT EN TANT QU'INGREDIENT ACTIF

(71) **MITSUBISHI CHEMICAL CORPORATION** [JP/JP]; 5–2, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TANAKA, Toshihiko** [JP/JP]; Mitsubishi Chemical Corporation, Yokohama Research Center, 1000, Kamoshida–cho, Aoba–ku, Yokohama–shi, Kanagawa 227–8502 (JP). **IWASHITA, Eiichirou** [JP/JP]; Mitsubishi Chemical Corporation, Yokohama Research Center, 1000, Kamoshida–cho, Aoba–ku, Yokohama–shi, Kanagawa 227–8502 (JP). **TARAO, Akiko** [JP/JP]; Mitsubishi Chemical Corporation, Yokohama Research Center, 1000, Kamoshida–cho, Aoba–ku, Yokohama–shi, Kanagawa 227–8502 (JP). **AMENOMORI, Akira** [JP/JP]; Mitsubishi Chemical Corporation, Yokohama Research Center, 1000, Kamoshida–cho, Aoba–ku, Yokohama–shi, Kanagawa 227–8502 (JP). **ONO, Yuya** [JP/JP]; Mitsubishi Chemical Corporation, Yokohama Research Center, 1000, Kamoshida–cho, Aoba–ku, Yokohama–shi, Kanagawa 227–8502 (JP).

(74) **IMAMURA, Masazumi** et al. / etc.; KRF Building, 5th floor, 5–5, Kyobashi 1–chome, Chuo–ku, Tokyo 104–0031 (JP).

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

---

(11) **WO 99/24433** (13) A1

(21) PCT/EP98/06910

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) de (26) de

(31) 197 50 085.4 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(31) 198 12 462.7 (32) **23 Mar/mar 1998 (23.03.1998)** (33) DE

(31) 198 40 289.9 (32) **4 Sep/sep 1998 (04.09.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 487/04, A61K 31/53**

(54) • 2–PHENYL SUBSTITUTED IMIDAZOTRIAZINONES AS PHOSPHODIESTERASE INHIBITORS
• IMIDAZOTRIAZINONES A SUBSTITUTION 2–PHENYLE UTILISEES COMME INHIBITEURS DES PHOSPHODIESTERASES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NIEWÖHNER, Ulrich** [DE/DE]; Gartenstrasse 3, D–42929 Wermelskirchen (DE). **ES–SAYED, Mazen** [DE/DE]; Claudiusweg 3, D–42115 Wuppertal (DE). **HANING, Helmut** [DE/DE]; Claudiusweg 3, D–42115 Wuppertal (DE). **SCHENKE, Thomas** [DE/DE]; Mühlenstrasse 113, D–51469 Bergisch Gladbach (DE). **SCHLEMMER, Karl–Heinz** [DE/DE]; Wildsteig 22a, D–42113 Wuppertal (DE). **KELDENICH, Jörg** [DE/DE]; Damaschkeweg 49, D–42113 Wuppertal (DE). **BISCHOFF, Erwin** [DE/DE]; Pahlkestrasse 73, D–42115 Wuppertal (DE). **PERZBORN, Elisabeth** [DE/DE]; Am Tescher Busch 13, D–42327 Wuppertal (DE). **DEMBOWSKY, Klaus** [DE/DE]; Ziegeläckerweg 10, D–69198 Schriesheim (DE). **SERNO, Peter** [DE/DE]; Offenbachstrasse 12, D–51467 Bergisch Gladbach (DE). **NOWAKOWSKI, Marc** [DE/DE]; Pahlkestrasse 17, D–42115 Wuppertal (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24434** (13) A1

(21) PCT/JP98/04931

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) ja (26) ja

(31) 9/323945 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 487/04, 487/14, A61K 31/495**

(54) • FUSED PYRAZINE COMPOUNDS
• COMPOSES DE PYRAZINE CONDENSES

(71) **ONO PHARMACEUTICAL CO., LTD.** [JP/JP]; 1–5, Doshomachi 2–chome, Chuo–ku, Osaka–shi, Osaka 541–8526 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOBAYASHI, Kaoru** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1–1, Sakurai 3–chome, Shimamoto–cho, Mishima–gun, Osaka 618–8585 (JP). **TATSUMI, Tadashi** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1–1, Sakurai 3–chome, Shimamoto–cho, Mishima–gun, Osaka 618–8585 (JP). **SATO, Kiyoyuki** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1–1, Sakurai 3–chome, Shimamoto–cho, Mishima–gun, Osaka 618–8585 (JP). **OHNO, Hiroyuki** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1–1, Sakurai 3–chome, Shimamoto–cho, Mishima–gun, Osaka 618–8585 (JP).

(74) **OHIE, Kunihisa** et al. / etc.; Ohie Patent Office, Horiguchi No. 2 Building 7F, 2–6, Nihonbashi–Ningyocho 2–chome, Chuo–ku, Tokyo 103–0013 (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 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).

---

(11) **WO 99/24435** (13) A1

(21) PCT/HU98/00095

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) P9701865 (32) **6 Nov/nov 1997 (06.11.1997)** (33) HU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 491/04, A61K 31/435 // (C07D 491/04, 311:00, 221:00)**

(54) • AZACHROMACHALIME DERIVATIVES HAVING HYPOTENSIVE ACTIVITY

- DERIVES D'AZACHROMACHALIME A ACTION D'HYPOTENSEUR

(71) **EGIS GYÓGYSZERGYÁR RT.** [HU/HU]; Keresztúri út 30–38, H–1106 Budapest (HU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TIMÁRI, Géza** [HU/HU]; Zöldfa u. 8, H–2220 Vecsés (HU). **RIEDL, Zsuzsanna** [HU/HU]; Futórózsa u. 75, H–1165 Budapest (HU). **BÁTORI, Sándor** [HU/HU]; Rákóczi F. út 268/A, H–1214 Budapest (HU). **HAJÓS, György** [HU/HU]; Károly krt. 1, H–1075 Budapest (HU). **MIKLÓSNÉ KOVÁCS, Anikó** [HU/HU]; Visegrádi u. 64, H–1132 Budapest (HU). **SZÉNÁSI, Gábor** [HU/HU]; Kerék u. 24, H–1035 Budapest (HU). **IVANICSNÉ MEGYERI, Katalin** [HU/HU]; Istvánfy u. 5, H–1147 Budapest (HU). **WELLMAN, János** [HU/HU]; Toroczkó u. 12, H–1026 Budapest (HU). **EGYED, András** [HU/HU]; Újvidék u. 58, H–1145 Budapest (HU). **SZÉCSEYNÉ HEGEDŰS, Mária** [HU/HU]; Rezső tér 4, H–1089 Budapest (HU). **NAGYNÉ GYÖNÖS, Ildikó** [HU/HU]; Álmos u. 65/3, H–1192 Budapest (HU). **KERTÉSZ, Szabolcs** [HU/HU]; Csengery u. 62/B, H–1067 Budapest (HU). **PALLAGI, Katalin** [HU/HU]; Hold u. 25, H–1054 Budapest (HU). **TIHANYI, Károly** [HU/HU]; Postamester u. 37, H–1171 Budapest (HU).

(74) **ADVOPATENT**; Office of Patent and Trademark Attorneys, P.O. Box 11, H–1251 Budapest (HU).

(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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24436** (13) A1

(21) PCT/DK98/00480

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 1267/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 491/107, 401/06, A61K 31/445**

(54)
- 1'–[4–[1– (4–FLUOROPHENYL)– 1*H*–INDOLE–3–YL] –1–BUTYL]–SPIRO [ISOBENZOFURAN– 1(3*H*),4'– PIPERIDINE] HYDROHALOGENIDES
- HYDROHALOGENURES DE 1'–[4– [1–(4–FLUOROPHENYL)– 1*H*–INDOLE–3–YL]– 1–BUTYL] –SPIRO–[ISOBENZOFURAN– 1(3*H*),4'– PIPERIDINE]

(71) **H. LUNDBECK A/S** [DK/DK]; Ottiliavej 9, DK–2500 Valby–Copenhagen (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MØRK, Niels** [DK/DK]; Bakkevej 59, DK–2830 Virum (DK). **LOPEZ DE DIEGO, Heidi** [DK/DK]; Græsager 105, DK–2980 Kokkedal (DK). **NIELSEN, Ole** [DK/DK]; Nystedvej 19, DK–2500 Valby (DK).

(74) **H. LUNDBECK A/S**; Attn: John Meidahl Petersen, Ottiliavej 9, DK–2500 Valby–Copenhagen (DK).

(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).

---

(11) **WO 99/24437** (13) A1

(21) PCT/EP98/06866

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 49 720.9 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 491/107, A01N 43/90, C07D 309/14, C07C 57/58, 69/63 // (C07D 491/107, 311:00, 209:00)**

(54)
- NOVEL SUBSTITUTED PHENYL KETO ENOLS
- NOUVEAUX PHENYLCETOENOLS SUBSTITUES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAGEMANN, Hermann** [DE/DE]; Kandinskystrasse 52, D–51375 Leverkusen (DE). **FISCHER, Reiner** [DE/DE]; Nelly–Sachs–Strasse 23, D–40789 Monheim (DE). **ERDELEN, Christoph** [DE/DE]; Unterbüscherhof 15, D–42799 Leichlingen (DE). **WACHENDORFF–NEUMANN, Ulrike** [DE/DE]; Oberer Markenweg 85, D–56566 Neuwied (DE). **SCHNEIDER, Udo** [DE/DE]; Moltkestrasse 12, D–51373 Leverkusen (DE). **ANDERSCH, Wolfram** [DE/DE]; Schlodderdicher Weg 77, D–51469 Bergisch Gladbach (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24438** (13) A1

(21) PCT/DE98/03281

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 102.2 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 493/04, C09K 9/02, C08K 5/15, G02B 5/23**

(54)
- HETEROCYCLIC ANNEALED PHOTOCHROMIC 2H– AND 3H–NAPHTOPYRAN SYSTEMS, METHOD FOR PRODUCING THE SAME AND USE THEREOF
- SYSTEMES 2H– ET 3H–NAPHTHOPYRANNES PHOTOCHROMES HETEROCYCLIQUEMENT ANNELES, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION

(71) **OPTISCHE WERKE G. RODENSTOCK** [DE/DE]; Isartalstrasse 43, D–80469 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MELZIG, Manfred** [DE/DE]; Sommerstrasse 20, D–82234 Wessling (DE). **WEIGAND, Udo** [DE/DE]; Menzingerstrasse 21, D–80638 München (DE).

(74) **MÜNICH, Wilhelm**; Kanzlei Dr. Münich & Kollegen, Wilhelm–Mayr–Strasse 11, D–80689 München (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24439** (13) A1

(21) PCT/JP98/04178

(22) **17 Sep/sep 1998 (17.09.1998)**

(25) ja (26) ja

(31) 9/308222 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 493/04, A61K 35/70, C12P 17/18, C12N 1/14, 9/99 // (C12P 17/18, C12R 1:685) (C12N 1/14, C12R 1:685)**

(54)
- NOVEL SUBSTANCE FT–0554 AND PROCESS FOR PRODUCING THE SAME
- NOUVELLE SUBSTANCE FT–0554 ET PROCEDE DE FABRICATION

(71) **THE KITASATO INSTITUTE** [JP/JP]; 9–1, Shirokane 5–chome, Minato–ku, Tokyo 108–8642 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OMURA, Satoshi** [JP/JP]; The Kitasato Institute, 9–1, Shirokane 5–chome, Minato–ku, Tokyo 108–8642 (JP). **SHIOMI, Kazuro** [JP/JP]; The Kitasato Institute, 9–1, Shirokane 5–chome, Minato–ku, Tokyo 108–8642 (JP). **MASUMA, Rokuro** [JP/JP]; The Kitasato Institute, 9–1, Shirokane 5–chome, Minato–ku, Tokyo 108–8642 (JP). **IWAI, Yuzuru** [JP/JP]; The Kitasato Institute, 9–1, Shirokane 5–chome, Minato–ku, Tokyo 108–8642 (JP).

(74) **KOBAYASHI, Kazunori**; Taiyoseimeiotsuka Building, 3rd floor, 25–1, Kitaotsuka 2–chome, Toshima–ku, Tokyo 170–0004 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24440** (13) A1

(21) PCT/IB98/01691

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) en (26) en

(31) 60/065,097 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 495/04, A61K 31/505, 31/44 // (C07D 495/04, 333:00, 239:00) (C07D 495/04, 333:00, 221:00)**

(54)
- THIENOPYRIMIDINE AND THIENOPYRIDINE DERIVATIVES USEFUL AS ANTICANCER AGENTS
- DERIVES DE THIENOPYRIMIDINE ET THIENOPYRIDINE UTILES COMME AGENTS ANTICANCEREUX

(71) **PFIZER PRODUCTS INC.** [US/US]; Eastern Point Road, Groton, CT 06340 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MUNCHHOF, Michael, John** [US/US]; 266 West Road, Salem, CT 06420 (US). **SOBOLOV–JAYNES, Susan, Beth** [US/US]; 4 Piney Branch Road, Ivoryton, CT 06442 (US).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24441** (13) A1

(21) PCT/EP98/07224

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 97203484.7 (32) **10 Nov/nov 1997 (10.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07D 498/04, 501/12**

(54) • CRYSTALLIZATION OF BETA–LACTAM COMPOUNDS
• CRISTALLISATION DE COMPOSES DE BETA–LACTAME

(71) **GIST–BROCADES B.V.** [NL/NL]; Wateringseweg 1, P.O. Box 1, NL–2600 MA Delft (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEITMANN, Herwardt** [NL/NL]; Van Boisotring 31, NL–2722 AA Zoetermeer (NL). **DE VROOM, Erik** [NL/NL]; De Meij van Streefkerkstraat 65, NL–2313 JM Leiden (NL). **ROY, Peter, Daniel** [GB/NL]; Berkenlaan 47, NL–5941 EA Velden (NL).

(74) **VISSER–LUIRINK, Gesina** et al. / etc.; Gist–Brocades B.V., Patents and Trademarks Dept. (994–0760), Wateringseweg 1, P.O. Box 1, NL–2600 MA Delft (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24442** (13) A1

(21) PCT/US98/24168

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,490 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07F 9/38, A61K 31/66, C07F 9/12, C07K 5/06, A61K 38/05, C07D 307/89, A61K 31/35, C07C 237/22, A61K 31/165, C07F 9/655 // G01N 33/566**

(54) • NOVEL SIGNAL TRANSDUCTION INHIBITORS, COMPOSITIONS CONTAINING THEM
• NOUVEAUX INHIBITEURS DE TRANSDUCTION DE SIGNAL, COMPOSITIONS LES CONTENANT

(71) **ARIAD PHARMACEUTICALS, INC.** [US/US]; 26 Landsdowne Street, Cambridge, MA 02139 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEIGELE, Manfred** [DE/US]; 6 Canal Park #601, Cambridge, MA 02141 (US). **BOHACEK, Regine** [US/US]; 50 Commonwealth Avenue #702, Boston, MA 02116 (US). **JACOBSEN, Virginia, A.** [US/US]; 137 Marlborough Street #4, Boston, MA 02116 (US). **MACEK, Karina** [US/US]; 8 Hill Street, Winchester, MA 01890 (US). **YANG, Michael, G.** [US/US]; 34 Hammond Pond Parkway #3, Chestnut Hill, MA 02167 (US). **KAWAHATA, Noriyuki, H.** [US/US]; 2nd floor, 39 Foxhill Lane, Norwell, MA 02061 (US). **SUNDARAMOORTHI, Rajeswari** [IN/US]; 151 Coolidge Avenue #202, Watertown, MA 02172 (US). **WANG, Yihan** [CN/US]; 14 Jonathan Street, Belmont, MA 02478 (US). **TAKEUCHI, Craig, S.** [CA/US]; 175 Centre Street, Quincy, MA 02169 (US). **LUKE, George, P.** [US/US]; 28B Muzzey Street, Lexington, MA 02421 (US). **METCALF, Chester, A., III** [US/US]; 1 Longfellow Place #2815, Boston, MA O2114 (US). **SHAKESPEARE, William, C.** [US/US]; 7 Derby Street, Framingham, MA 01701 (US). **SAWYER, Tomi** [US/US]; 8 Nathan Stone Road, Southborough, MA 01772 (US).

(74) **BERSTEIN, David, L.**; Ariad Pharmaceuticals, Inc., 26 Landsdowne Street, Cambridge, MA 02139 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24443** (13) A2

(21) PCT/US98/24037

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,577 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07F 9/46, 9/6574, 9/50, C07C 45/50, C07B 53/00, C07F 15/00, 9/6568 // C07M 7:00**

(54) • CATALYSTS FOR ASYMMETRIC SYNTHESES CONTAINING RIGID CHIRAL LIGANDS
• CATALYSEURS POUR SYNTHESES ASYMETRIQUES CONTENANT DES LIGANDS CHIRAUX RIGIDES

(71) **THE PENNSYLVANIA STATE UNIVERSITY** [US/US]; 113 Technology Center, 200 Innovation Boulevard, University Park, PA 18602–7000 (US).

(72) **ZHANG, Xumu**; The Pennsylvania State University, Dept. of Chemistry, 152 Davey Laboratory, University Park, PA 16802 (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) AL AM AT AU AZ 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).

---

(11) **WO 99/24444** (13) A1

(21) PCT/GB98/03321

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 9723583.2 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(31) 60/068,675 (32) **24 Dec/déc 1997 (24.12.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07F 9/6568, 9/50, 17/02 // C07M 7:00**

(54) • PROCESS FOR PREPARING CYCLIC PHOSPHINES
• PROCEDE DE PREPARATION DE PHOSPHINES CYCLIQUES

(71) **CHIROTECH TECHNOLOGY LIMITED** [GB/GB]; Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BERENS, Ulrich** [DE/GB]; Chirotech Technology Limited, Cambridge Science Park, Milton Road, Cambridge CB4 4WE (GB).

(74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24445** (13) A1

(21) PCT/EP98/06821

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 49 293.2 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(31) 197 56 742.8 (32) **19 Dec/déc 1997 (19.12.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07F 17/00, C08F 10/00**

(54) • METHOD FOR PRODUCING FULVENE METAL COMPLEXES
• PROCEDE POUR LA PREPARATION DE COMPLEXES METALLIQUES DE FULVENE

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BECKE, Sigurd** [DE/DE]; Vierkotter Feld 15, D–51503 Rösrath (DE). **BECKHAUS, Rüdiger** [DE/DE]; Lüntjenweg 48, D–26131 Oldenburg (DE). **HEINRICHS, Jürgen** [DE/DE]; Deliusstrasse 6, D–52064 Aachen (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24446** (13) A1

(21) PCT/EP98/07034

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 97119778.5 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07F 17/00, C08F 10/00, C07F 9/6568, C07D 209/70, 307/93, 333/78**

(54) • METALLOCENES AND CATALYSTS FOR OLEFIN–POLYMERISATION
• METALLOCENES ET CATALYSEURS POUR LA POLYMERISATION D'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) **NIFANT'EV, Ilya E.** [RU/RU]; Apartment 60, 12/3, 26 Bakinskikh Komissarov Street, Moscow, 117526 (RU). **BAGROV, Vladimir V.** [RU/RU]; Apartment 48, 2, Pechorskaya Street, Moscow, 129344 (RU).

(74) **ZANOLI, Enrico**; Montell Italia S.p.A., Via Pergolesi, 25, I–20124 Milano (IT).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24447** (13) A1

(21) PCT/JP98/05065

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/323917 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 10/20146 (32) **19 Jan/jan 1998 (19.01.1998)** (33) JP

(31) 10/130973 (32) **27 Apr/avr 1998 (27.04.1998)** (33) JP

(31) 10/164410 (32) **29 May/mai 1998 (29.05.1998)** (33) JP

(31) 10/212041 (32) **13 Jul/juil 1998 (13.07.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 3/10, 11/00, C08B 37/00, 37/12, A61K 31/70, 31/725, A01N 1/00, 3/00, A23L 1/30, 3/3562, 3/3544, C09K 15/06**

(54) • DRUGS, FOODS OR DRINKS WITH THE USE OF ALGAE–DERIVED PHYSIOLOGICALLY ACTIVE SUBSTANCES
• MEDICAMENTS, ALIMENTS OU BOISSONS RENFERMANT DES SUBSTANCES PHYSIOLOGIQUEMENT ACTIVEES DERIVEES D'ALGUES

(71) **TAKARA SHUZO CO., LTD.** [JP/JP]; 609, Takenaka–cho, Fushimi–ku, Kyoto–shi, Kyoto 612–8061 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ENOKI, Tatsuji** [JP/JP]; A–204, T.O Kopo Ishiyama, 25–5, Ishiyamadera 4–chome, Otsu–shi, Shiga 520–0861 (JP). **SAGAWA, Hiroaki** [JP/JP]; 503, Hamoparesu Kusatsu, 12–1, Nishishibukawa 2–chome, Kusatsu–shi, Shiga 525–0025 (JP). **TOMINAGA, Takanari** [JP/JP]; 4–22–2–204, Honkatata, Otsu–shi, Shiga 520–0242 (JP). **NISHIYAMA, Eiji** [JP/JP]; 1411–7, Mizuho–cho, Moriyama–shi, Shiga 524–0102 (JP). **KOYAMA, Nobuto** [JP/JP]; 96, Kubo, Ogura–cho, Uji–shi, Kyoto 611–0042 (JP). **SAKAI, Takeshi** [JP/JP]; 230, Raionzumanshon Shinagawamachi, 120–1, Shinagawamachi, Hirosaki–shi, Aomori 036–8183 (JP). **YU, Fu–Gong** [CN/JP]; 307, Howaitohausu, 2–6–1, Kikyono, Hirosaki–shi, Aomori 036–8227 (JP). **IKAÏ, Katsushige** [JP/JP]; 9–421–45, Kibogaokahonmachi, Konan–cho, Koka–gun, Shiga 520–3332 (JP). **KATO, Ikunoshin** [JP/JP]; 1–1–150, Nanryo–cho, Uji–shi, Kyoto 611–0028 (JP).

(74) **AOYAMA, Tamotsu** et al. / etc.; Aoyama & Partners, IMP Building, 3–7, Shiromi 1–chome, Chuo–ku, Osaka–shi, Osaka 540–0001 (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 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).

---

(11) **WO 99/24448** (13) A2

(21) PCT/EP98/06590

(22) **17 Oct/oct 1998 (17.10.1998)**

(25) de (26) de

(31) 197 49 413.7 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 15/00**

(54) • NEW SOPHOROSELIPIDS, METHOD FOR THEIR PRODUCTION AND USE
• NOUVEAUX SOPHOROSELIPIDES, LEUR PROCEDE DE FABRICATION ET LEUR UTILISATION

(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) **LANG, Siegmund** [DE/DE]; Rohrkamp 1b, D–38126 Braunschweig (DE). **BRAKEMEIER, Andreas** [DE/DE]; Celler Strasse 73, D–38114 Braunschweig (DE). **WULLBRANDT, Dieter** [DE/DE]; Zum Lindenhof 11, D–65719 Hofheim (DE). **SEIFFERT–STÖRIKO, Andreas** [DE/DE]; Herderstrasse 48, D–65719 Hofheim (DE).

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

---

(11) **WO 99/24449** (13) A2

(21) PCT/EP98/07021

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723589.9 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 19/00**

(54) • CHEMICAL COMPOUNDS
• COMPOSES CHIMIQUES

(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) **COUSINS, Richard, Peter, Charles** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **COX, Brian** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **ELDRED, Colin, David** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **PENNELL, Andrew, Michael, Kenneth** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB).

(74) **LEAROYD, Stephanie, Anne**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24450** (13) A2

(21) PCT/EP98/07022

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723566.7 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 19/00**

(54) • CHEMICAL COMPOUNDS
• COMPOSES CHIMIQUES

(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) **BOX, Philip, Charles** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **JUDKINS, Brian, David** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **PENNELL, Andrew, Michael, Kenneth** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB).

(74) **LEAROYD, Stephanie, Anne**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

(11) **WO 99/24451** (13) A2

(21) PCT/EP98/07023

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723590.7 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 19/00**

(54) • CHEMICAL COMPOUNDS
• COMPOSES CHIMIQUES

(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) **ELDRED, Colin, David** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **PENNELL, Andrew, Michael, Kenneth** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB).

(74) **LEAROYD, Stephanie, Anne**; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24452** (13) A2

(21) PCT/US98/23119

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/966,392 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 08/966,875 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 19/00**

(54) • PYRIMIDINE DERIVATIVES FOR LABELED BINDING PARTNERS
• DERIVES DE PYRIMIDINE POUR PARTENAIRES DE LIAISON MARQUES

(63) US 08/966,392 (CON) 7 Nov/nov 1997 (07.11.1997)
US 08/966,875 (CON) 10 Nov/nov 1997 (10.11.1997)

(71) **ISIS PHARMACEUTICALS, INC.** [US/US]; 2292 Faraday Avenue, Carlsbad, CA 92008 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LIN, Kuei–Ying** [US/US]; 4774 Canvasback Common, Fremont, CA 94555 (US). **MATTEUCCI, Mark, D.** [US/US]; 135 Fawn Lane, Portola Valley, CA 94028 (US).

(74) **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP**; 46th Floor, One Liberty Place, Philadelphia, PA 19103 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24453** (13) A1

(21) PCT/US98/23523

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,943 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 21/00, C07K 14/47, 16/18, C12N 1/15, 1/21, 5/10, 15/00, 15/12, 15/63, C12P 21/02**

(54) • MAMMALIAN PRO–APOPTOTIC BOK GENES AND THEIR USES
• GENES BOK PRO–APOPOTOTIQUES DE MAMMIFERES ET LEURS UTILISATIONS

(71) **THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY** [US/US]; Suite 350, 900 Welch Road, Palo Alto, CA 95304–1850 (US).

(72) **HSUEH, Aaron, J., W.**; 25 Ryan Court, Stanford, CA 94305 (US). **HSU, Sheau, Yu**; 234 Escuela Avenue #40, Mountain View, CA 94040 (US).

(74) **SHERWOOD, Pamela, J.**; Bozicevic, Field & Francis LLP, Suite 200, 285 Hamilton Avenue, Palo Alto, CA 94301 (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).

---

(11) **WO 99/24454** (13) A1

(21) PCT/US98/23496

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/086,232 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 21/02, 21/04, C12Q 1/68, C12P 19/34**

(54) • METHODS AND COMPOSITIONS FOR IDENTIFYING VARIATIONS IN HUMAN α_{1B}– AND β_2–ADRENERGIC RECEPTOR GENES
• PROCEDES ET COMPOSITIONS PERMETTANT D'IDENTIFER DES VARIATIONS AU NIVEAU DES GENES DES RECEPTEURS α_{1B}–ADRENERGIQUE ET β_2–ADRENERGIQUE DE L'HOMME

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607–5200 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **INSEL, Paul, A.** [US/US]; 3364 Eton Avenue, San Diego, CA 92122 (US). **HERRMANN, Volker** [US/US]; 3962 Jewell Street #T 308, San Diego, CA 92109 (US). **BUESCHER, Rainer** [US/US]; 8138 Regents Road #101, San Diego, CA 92122 (US).

(74) **BERLINER, Robert**; Fulbright & Jaworski L.L.P., 29th floor, 865 S. Figueroa Street, Los Angeles, CA 90017–2576 (US).

(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)*

---

(11) **WO 99/24455** (13) A1

(21) PCT/US98/23696

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/065,273 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 21/04, C12N 1/15, 5/10, C12Q 1/68, G01N 33/53**

(54) • DETECTION SYSTEMS FOR REGISTERING PROTEIN INTERACTIONS AND FUNCTIONAL RELATIONSHIPS
• SYSTEMES DE DETECTION POUR L'ENREGISTREMENT D'INTERACTIONS ENTRE PROTEINES ET RELATIONS FONCTIONNELLES

(71) **THE GENERAL HOSPITAL CORPORATION** [US/US]; 55 Fruit Street, Boston, MA 02110–2214 (US).

(72) **BRENT, Roger**; 752 Contra Costa Avenue, Berkeley, CA 94707 (US). **XU, C., Wilson**; Apartment 6B, 402 East 64th Street, New York, NY 10021 (US). **MENDELSOHN, Andrew, R.**; 127 Taber Avenue, Providence, RI 02906 (US). **LOK, Walter, L.**; 3825 17th Street, San Francisco, CA 94114 (US).

(74) **ELBING, Karen**; 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 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).

---

(11) **WO 99/24456** (13) A1

(21) PCT/US98/23830

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,652 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 21/04, C12N 9/00, 9/16, 15/11, 15/64, C12P 19/34, 21/06**

(54) • HIS–TAGGED ENZYMES WITH LAMBDA TERMINASE ACTIVITY AND METHODS RELATED THERETO
• ENZYMES MARQUEES PAR HIS ET POSSEDANT UNE ACTIVITE DE LAMBDA TERMINASE, ET PROCEDES ASSOCIES

(71, 72) **FEISS, Michael** [US/US]; 603 Brown Street, Iowa City, IA 52245 (US). **HANG, Qi** [CN/US]; 603 Hawkeye Court, Iowa City, IA 52246 (US).

(74) **JOHNSON, Kristine, H.**; Macheledt Bales & Johnson LLP, The Opera Galleria, Suite 219, 123 North College Avenue, Fort Collins, CO 80524 (US).

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

(11) **WO 99/24457** (13) A1

(21) PCT/US98/24157

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/969,137 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07H 21/04, C12N 15/00, 15/11, 15/63, 15/85, 15/86**

(54) • DNA REGULATORY ELEMENT FOR THE EXPRESSION OF TRANSGENES IN NEURONS OF THE MOUSE FOREBRAIN
• ELEMENT REGULATEUR D'ADN POUR L'EXPRESSION DE TRANSGENES DANS DES NEURONES DU PROSENCEPHALE DE SOURIS

(71) **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street and Broadway, New York, NY 10027 (US).

(72) **KANDEL, Eric, R.**; Sigma Place #9, Riverdale, NY 10471 (US). **MAYFORD, Mark**; Apartment 203, 3391 LeBon Drive, San Diego, CA 92122 (US).

(74) **WHITE, John, P.**; Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY 10036 (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).

---

(11) **WO 99/24458** (13) A1

(21) PCT/AU98/00944

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) PP 0328 (32) **12 Nov/nov 1997 (12.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 1/10, 17/08, 17/10, 17/12, 17/14, C08J 3/02**

(54) • CARRIER–REPORTER BEAD ASSEMBLIES
• ENSEMBLE SUPPORT–BILLES DE MARQUAGE

(71) **THE UNIVERSITY OF QUEENSLAND** [AU/AU]; St. Lucia Campus, St. Lucia, QLD 4072 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TRAU, Mathias** [AU/AU]; 59 Bunowang Street, Balmoral, QLD 4171 (AU). **BRYANT, Darryn, Edward** [AU/AU]; 24 Gareel Street, Jindalee, QLD 4074 (AU).

(74) **FISHER ADAMS KELLY**; Level 13, 10 AMP Place, G.P.O Box 1413, Brisbane, QLD 4000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24459** (13) A1

(21) PCT/US98/23981

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,771 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 1/16, C08B 15/10, 31/00, 37/00**

(54) • Mn(IV)–MEDIATED CROSSLINKING AND FUNCTIONALIZATION OF CHROMATOGRAPHY MEDIA
• RETICULATION ET FONCTIONNALISATION INDUITE PAR Mn(IV) DE SUPPORTS CHROMATOGRAPHIQUES

(71, 72) **GRANDICS, Peter** [HU/US]; 5922 Farnsworth Court, Carlsbad, CA 92008 (US).

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

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

---

(11) **WO 99/24460** (13) A2

(21) PCT/EP98/06937

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 9723407.4 (32) **5 Nov/nov 1997 (05.11.1997)** (33) GB

(31) 08/985,973 (32) **5 Dec/déc 1997 (05.12.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 5/00**

(54) • DIPEPTIDE NITRILES
• NITRILES DE DIPEPTIDES

(71) **NOVARTIS AG** [CH/CH]; Schwarzwaldallee 215, CH–4058 Basel (CH).
(for all designated States except / pour tous les États désignés sauf AT US)

(71) **NOVARTIS–ERFINDUNGEN VERWALTUNGSGESELLSCHAFT MBH** [AT/AT]; Brunner Strasse 59, A–1235 Vienna (AT).
(only for / seulement pour AT)

(72, 75) **ALTMANN, Eva** [CH/CH]; Tannenweg 5, CH–4153 Reinach (CH). **BETSCHART, Claudia** [CH/JP]; 2–17–301, Jurakusou, Takarazuka 665 (JP). **GOHDA, Keigo** [JP/JP]; 14–19–101, Monzen–cho, Nishinomiya–shi, Hyogo (JP). **HORIUCHI, Miyuki** [JP/JP]; 9–3–14, Okamoto, Higashinada, Kobe, Hyogo (JP). **LATTMANN, Rene** [CH/CH]; Rottmannbodenstrasse 133, CH–4102 Binningen (CH). **MISSBACH, Martin** [CH/CH]; Hofstrasse 15, CH–5073 Gipf–Oberfrick (CH). **SAKAKI, Junichi** [JP/JP]; 1–4–9–304, Nogami, Takarazuka, Hyogo 665 (JP). **TAKAI, Michihiro** [JP/JP]; 2–8–2, Sengen, Tsukuba–shi, Ibaraki (JP). **TENO, Naoki** [JP/JP]; Apartment 1, 401, Fujiwaradai–minamimati, Kita–ku, Kobe, Hyogo (JP). **COWEN, Scott, Douglas** [US/US]; 11 Chippewa Trail, Branchburg, NJ 08876 (US). **GREENSPAN, Paul, David** [US/US]; 63 Ridge Drive, New Providence, NJ 07974 (US). **MCQUIRE, Leslie, Wighton** [GB/US]; 17 Crown Drive, Warren, NJ 07059 (US). **TOMMASI, Ruben, Alberto** [US/US]; 1 Plantation Road, Whitehouse Station, NJ 08889 (US). **VAN DUZER, John, Henry** [US/US]; 304 County Road 579, Asbury, NJ 08802 (US).

(74) **BECKER, Konrad**; Novartis AG, Patent– und Markenabteilung, Lichtstrasse 35, CH–4002 Basel (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24461** (13) A1

(21) PCT/FR98/02401

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) fr (26) fr

(31) 97/14104 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 5/02, A61K 38/06, G01N 33/68**

(54) • CLOSTRIDIAL TOXIN INHIBITORS AND PHARMACEUTICAL COMPOSITIONS CONTAINING SAME
• INHIBITEURS DE TOXINES CLOSTRIDIALES ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT

(71) **INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)** [FR/FR]; 101, rue de Tolbiac, F–75013 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARTIN, Loïc** [FR/FR]; 28, rue Berthelot, F–92120 Montrouge (FR). **CORNILLE, Fabrice** [FR/FR]; 1, allée Aldbaran, F–91400 Bures sur Yvette (FR). **FOURNIE–ZALUSKI, Marie–Claude** [FR/FR]; 16, avenue de Bouvines, F–75011 Paris (FR). **ROQUES, Bernard** [FR/FR]; 12, rue Eugène Delacroix, F–94410 Saint Maurice (FR).

(74) **LE GUEN, Gérard** et al. / etc.; Cabinet Lavoix, 2, place d'Estienne d'Orves, F–75441 Paris Cedex 09 (FR).

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

---

(11) **WO 99/24462** (13) A2

(21) PCT/US98/23702

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,705 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 7/00**

(54) • NOVEL CONJUGATES OF RGD–CONTAINING PEPTIDES AND ENDOGENOUS CARRIERS
• NOUVEAUX CONJUGUES DE PEPTIDES RENFERMANT RGD ET SUPPORTS ENDOGENES

(71) **CONJUCHEM, INC.** [CA/CA]; Suite 3950, 225 President Kennedy Avenue West, Montréal, Québec H2X 3Y8 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRIDON, Dominique, P.** [FR/CA]; 243, chemin Cote Sainte–Catherine, Outremont, Québec H2V 2B2 (CA). **EZRIN, Alan, M.** [US/US]; 110 Quintas Lane, Moraga, CA 94556 (US). **HOLMES, Darren, L.** [US/CA]; 3450 Drummond Street, Montreal, Quebec H3G 1T3 (CA). **KRANTZ, Alexander** [US/US]; 847 North Humboldt Street #310, San Mateo, CA 94401

(US). **THIBAUDEAU, Karen** [FR/CA]; 4700 Bonavista Street #407, Montreal, Quebec H3W 2L5 (CA). **BLANCHARD, Dominique** [FR/FR]; Transfusion Sanguine/Exp, 34, Boulevard Jean Monnet, F–44000 Nantes (FR).

(74) **WARD, Michael R.** 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 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).

---

(11) **WO 99/24463** (13) A2

(21) PCT/US98/23578

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,316 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/00**

(54) • SIGNAL PEPTIDE–CONTAINING PROTEINS
• PROTEINES CONTENANT UNE SEQUENCE SIGNAL

(63) US 08/966,316 (CIP) 7 Nov/nov 1997 (07.11.1997)

(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) **LAL, Preeti** [IN/US]; 2382 Lass Drive, Santa Clara, CA 95054 (US). **AU–YOUNG, Janice** [US/US]; 1419 Kains Avenue, Berkeley, CA 94702 (US). **REDDY, Roopa** [IN/US]; 1233 W. McKinley Drive, Sunnyvale, CA 94086 (US). **MURRY, Lynn, E.** [US/US]; 1124 Los Trancos Road, Portola Valley, CA 94028 (US). **MATHUR, Preete** [US/US]; 43733 Greenhills, Fremont, CA 94539 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24464** (13) A1

(21) PCT/US98/23998

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,932 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/976,148 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/967,708 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/967,403 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/966,987 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/976,741 (32) **24 Nov/nov 1997 (24.11.1997)** (33) US

(31) 60/089,581 (32) **17 Jun/juin 1998 (17.06.1998)** (33) US

(31) 60/089,580 (32) **17 Jun/juin 1998 (17.06.1998)** (33) US

(31) 09/100,762 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,631 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,521 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,763 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,529 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,764 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/16**

(54) • GLYCOSYLATED MODIFIED PRIMATE LENTIVIRUS ENVELOPE POLYPEPTIDES
• POLYPEPTIDES D'ENVELOPPE DE LENTIVIRUS DE PRIMATE, MODIFIES ET GLYCOSYLES

(63) US 60/089,581 (CIP) 17 Jun/juin 1998 (17.06.1998)

(71) **DANA–FARBER CANCER INSTITUTE** [US/US]; 44 Binney Street, Boston, MA 02115 (US). **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street & Broadway, New York, NY 10027 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WYATT, Richard, T.** [US/US]; 11 Delphi Circle, Andover, MA 01810 (US). **SODROSKI, Joseph, G.** [US/US]; 10 Ashland Place, Medford, MA 02155 (US). **KWONG, Peter, D.** [US/US]; Apartment 403, 352 West 15th Street, New York, NY 10011 (US). **HENDRICKSON, Wayne, A.** [US/US]; 161 Mt. Hope Boulevard, Hastings–On–Hudson, NY 10706 (US).

(74) **EISENSTEIN, Ronald, I.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, LLP, 130 Water Street, Boston, MA 02109–4280 (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 : *(c)*

---

(11) **WO 99/24465** (13) A1

(21) PCT/US98/24001

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,932 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/966,987 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/967,148 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/967,403 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/967,708 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/976,741 (32) **24 Nov/nov 1997 (24.11.1997)** (33) US

(31) 60/089,580 (32) **17 Jun/juin 1998 (17.06.1998)** (33) US

(31) 60/089,581 (32) **17 Jun/juin 1998 (17.06.1998)** (33) US

(31) 09/100,521 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,529 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,631 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,762 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,763 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,764 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/16**

(54) • STABILIZED PRIMATE LENTIVIRUS ENVELOPE GLYCOPROTEINS
• GLYCOPROTEINES D'ENVELOPPE DE LENTIVIRUS DE PRIMATE STABILISEES

(71) **DANA–FARBER CANCER INSTITUTE** [US/US]; 44 Binney Street, Boston, MA 02115 (US). **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street & Broadway, New York, NY 10027 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SODROSKI, Joseph, G.** [US/US]; 10 Ashland Place, Medford, MA 02155 (US). **WYATT, Richard, T.** [US/US]; 11 Delphi Circle, Andover, MA 01810 (US). **KWONG, Peter, D.** [US/US]; Apartment 403, 352 West 15th Street, New York, NY 10011 (US). **HENDRICKSON, Wayne, A.** [US/US]; 161 Mt. Hope Boulevard, Hastings–on–Hudson, NY 10706 (US). **FARZAN, Michael** [US/US]; Apartment 6, 108 St. Paul Street, Brookline, MA 02146 (US).

(74) **EISENSTEIN, Ronald, I.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, LLP, 130 Water Street, Boston, MA 02109–4280 (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 : *(c)*

---

(11) **WO 99/24466** (13) A2

(21) PCT/EP98/07105

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 97870179.5 (32) **6 Nov/nov 1997 (06.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/18**

(54) • MULTI–MER PEPTIDES DERIVED FROM *HEPATITIS C VIRUS* ENVELOPE PROTEINS FOR DIAGNOSTIC USE AND VACCINATION PURPOSES
• PEPTIDES MULTIMERES DERIVES DE PROTEINES D'ENVELOPPE DE VIRUS D'HEPATITE C (HCV) A DES FINS DE DIAGNOSTIC ET DE VACCINATION

(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). **DEPLA, Erik** [BE/BE]; Burgstraat 58, B–9070 Destelbergen (BE).

(74) **DE CLERCQ, Ann**; 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 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).

---

(11) **WO 99/24467** (13) A1

(21) PCT/SE98/02036

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9704141–2 (32) **12 Nov/nov 1997 (12.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/31, A61K 39/085**

(54) • IgG–BINDING PROTEIN FROM *STAPHYLOCOCCUS* AND NUCLEOTIDE SEQUENCE ENCODING THIS PROTEIN
• PROTEINE FIXANT L'IgG ISSUE DE STAPHYLOCOQUE ET SEQUENCE NUCLEOTIDIQUE CODANT CETTE PROTEINE

(71) **SBL VACCIN AB** [SE/SE]; Lundagatan 2, S–105 21 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRYKBERG, Lars** [SE/SE]; Stabby Alle 7 C, S–752 29 Uppsala (SE). **JACOBSSON, Karin** [SE/SE]; Stabby Alle 9 C, S–752 29 Uppsala (SE).

(74) **NILSSON, Brita** et al. / etc.; AB Stockholms Patentbyrå AB, Zacco & Bruhn (publ), P.O. Box 23101, S–104 35 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24468** (13) A1

(21) PCT/US98/23789

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,784 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/47, 14/52, A61K 38/04, G01N 33/68**

(54) • AN ALZHEIMER–RELATED, ENDOTHELIUM–DERIVED TOXIC FACTOR AND METHODS FOR ITS USE
• FACTEUR TOXIQUE D'ORIGINE ENDOTHELIALE LIE A LA MALADIE D'ALZHEIMER ET SES METHODES D'UTILISATION

(71) **THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA** [US/US]; 1000 Asp Avenue, Norman, OK 73019 (US).

(72) **GRAMMAS, Paula**; 700 Fox Tail Drive, Edmond, OK 73034 (US). **WEIGEL, Paul, H.**; 817 Hollowdale, Edmond, OK 73003 (US).

(74) **PALMER, John** et al. / etc.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036–5679 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24469** (13) A1

(21) PCT/US98/23829

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,789 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/185,936 (32) **4 Nov/nov 1998 (04.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/47, 14/00, 7/00, C12N 5/10, 15/11, 15/12, A61K 38/04, 38/20**

(54) • SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
• PROTEINES SECRETEES ET POLYNUCLEOTIDES LES CODANT

(71) **GENETICS INSTITUTE, INC.** [US/US]; 87 CambridgePark Drive, Cambridge, MA 02140 (US).

(72) **JACOBS, Kenneth**; 151 Beaumont Avenue, Newton, MA 02160 (US). **MCCOY, John, M.**; 56 Howard Street, Reading, MA 01867 (US). **LAVALLIE, Edward, R.**; 113 Ann Lee Road, Harvard, MA 01451 (US). **RACIE, Lisa, A.**; 124 School Street, Acton, MA 01720 (US). **EVANS, Cheryl**; 111 Locust Street #41, Woburn, MA 01801 (US). **MERBERG, David**; 2 Orchard Drive, Acton, MA 01720 (US). **TREACY, Maurice**; 93 Walcott Road, Chestnut Hill, MA 02167 (US). **AGOSTINO, Michael, J.**; 26 Wolcott Avenue, Andover, MA 01810 (US).

(74) **MANDRAGOURAS, Amy, E.**; Lahive & Cockfield, LLP, 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 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).

---

(11) **WO 99/24470** (13) A1

(21) PCT/AU98/00942

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) PP 0318 (32) **12 Nov/nov 1997 (12.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/475, 14/485, C07H 21/04, A61K 38/18, C12N 5/06, 5/08, 15/10, 15/63, 15/66**

(54) • MAMMALIAN MILK GROWTH FACTOR
• FACTEUR DE CROISSANCE DU LAIT DE MAMMIFERE

(71) **GROPEP PTY. LTD.** [AU/AU]; Gate 11, Victoria Drive, Adelaide, S.A. 5000 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUNBAR, Andrew, Jeremy** [AU/AU]; 57 Gloucester Avenue, Belair, Adelaide, S.A. 5032 (AU). **GODDARD, Christopher** [AU/AU]; 5 Eric Street, Blackwood, S.A. 5051 (AU). **BELFORD, David, Andrew** [AU/AU]; 19 Thomas Street, Seacliff, S.A. 5049 (AU).

(74) **FOO, Debbie, Yin**; Phillips Ormonde & Fitzpatrick, 367 Collins Street, Melbourne, VIC 3000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24471** (13) A1

(21) PCT/US98/23944

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,043 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 14/705, C12N 15/12, C12Q 1/02, A61K 31/00**

(54) • OPIATE, CANNABINOID, AND ESTROGEN RECEPTORS
• RECEPTEUR D'OPIACES, DE CANNABINOIDES ET D'OESTROGENES

(71) **THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK** [US/US]; P.O. Box 9, Albany, NY 12201–0009 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STEFANO, George, B.** [US/US]; 1 Sleepy Lane, Melville, NY 11747 (US). **FIMIANI, Caterinea** [IT/IT]; Via Ceneda, 39, I–00183 Roma (IT).

(74) **ELLINGER, Mark, S.**; 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24472** (13) A2

(21) PCT/US98/23238

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,386 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 16/00, C12P 21/08, G01N 33/531, 33/53, C12N 5/00, A61K 49/00, 51/10**

(54) • GLYCOSYLATED ANTIBODIES AND ANTIBODY FRAGMENTS HAVING REACTIVE KETONE GROUPS
• ANTICORPS GLYCOSYLES ET FRAGMENTS D'ANTICORPS PRESENTANT DES GROUPES CETONIQUES REACTIFS

(63) US 60/064,386 (CON) 6 Nov/nov 1997 (06.11.1997)

(71) **IMMUNOMEDICS, INC.** [US/US]; 300 American Road, Morris Plains, NJ 07950 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEUNG, Shui–on** [GB/US]; 254 Kings Road, Madison, NJ 07940 (US). **MCBRIDE, William, J.** [US/US]; 767 Springfield #6, Summit, NJ 07901 (US). **QU, Zhengxing** [US/US]; 15 Sycamore Way, Warren, NJ 07059 (US). **HANSEN, Hans** [US/US]; 133 North Burgee Drive, Mystic Island, NJ 08087 (US).

(74) **SAXE, Bernhard, D.** et al. / etc.; Foley & Lardner, Suite 500, 3000 K Street, N.W., Washington, DC 20007–5109 (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 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).

---

(11) **WO 99/24473** (13) A1

(21) PCT/EP98/07103

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 197 49 091.3 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(31) 60/079,375 (32) **26 Mar/mar 1998 (26.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C07K 16/18, G01N 33/68, A61K 39/395**

(54) • ANTIBODIES AGAINST PHOSPHORYLATED VASP (VASODILATOR–STIMULATED PHOSPHOPROTEIN), HYBRIDOMA CELLS FOR THEIR PREPARATION, AND THEIR USE
• ANTICORPS CONTRE UNE PHOSPHOPROTEINE PHOSPHORYLEE STIMULEE PAR UN VASODILATATEUR (VASP), CELLULES D'HYBRIDOME PERMETTANT LEUR PREPARATION ET UTILISATION DESDITS ANTICORPS

(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) **EIGENTHALER, Martin** [DE/DE]; Rembrandtstrasse 43, D–97076 Würzburg (DE). **HOSCHÜTZKY, Heinz** [DE/DE]; Robert Bosch Strasse 10, D–79211 Denzlingen (DE). **WALTER, Ulrich** [DE/DE]; Leichtacker Strasse 6, D–97209 Veitshöchheim (DE).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE HR HU ID IL IS JP KG KP 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; 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 : *(c)*

---

(11) **WO 99/24474** (13) A1

(21) PCT/EP98/07229

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 801.9 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(31) 198 22 416.8 (32) **19 May/mai 1998 (19.05.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08B 37/00, A61K 47/48**

(54) • DETOXICATION OF ACTIVE PHARMACEUTICAL SUBSTANCES USING CYCLODEXTRINE OLIGOMERS
• DETOXICATION DE SUBSTANCES PHARMACEUTIQUES ACTIVES A L'AIDE D'OLIGOMERES DE CYCLODEXTRINES

(71, 72) **MOSER, Jörg, G.** [DE/DE]; Lise–Meitner–Strasse 33, D–40591 Düsseldorf (DE).

(74) **MEYERS, Hans–Wilhelm** et al. / etc.; Postfach 10 22 41, D–50462 Köln (DE).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR LC LK LR LS 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24475** (13) A1

(21) PCT/JP98/04896

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) ja (26) ja

(31) 9/305889 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08B 37/16, A61K 47/40**

(54) • PIPERAZINE–CYCLODEXTRIN COMPLEXES
• COMPLEXES DE PIPERAZINE ET DE CYCLODEXTRINE

(71) **DAIICHI PHARMACEUTICAL CO., LTD.** [JP/JP]; 14–10, Nihonbashi 3–chome, Chuo–ku, Tokyo 103–8234 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIKUCHI, Masahiko** [JP/JP]; Daiichi Pharmaceutical Co., Ltd. Tokyo R & D Center, 16–13, Kitakasai 1–chome, Edogawa–ku, Tokyo 134–8630 (JP). **NAGASE, Yukihiko** [JP/JP]; Daiichi Pharmaceutical Co., Ltd. Tokyo R & D Center, 16–13, Kitakasai 1–chome, Edogawa–ku, Tokyo 134–8630 (JP). **UEKAMA, Kaneto** [JP/JP]; 4–18, Nagamine higashi 2–chome, Kumamoto–shi, Kumamoto 862–0938 (JP).

(74) **ARUGA, Mitsuyuki** et al. / etc.; Kyodo Building, 3–6, Nihonbashiningyocho 1–chome, Chuo–ku, Tokyo 103–0013 (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 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).

---

(11) **WO 99/24476** (13) A1

(21) PCT/JP98/04907

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) ja (26) ja

(31) 9/320506 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 10/60475 (32) **25 Feb/fév 1998 (25.02.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 4/658, 10/00**

(54) • SOLID CATALYST COMPONENT AND CATALYST FOR OLEFIN POLYMERIZATION
• CONSTITUANT DE CATALYSEUR SOLIDE ET CATALYSEUR DE POLYMERISATION D'OLEFINES

(71) **TOHO TITANIUM CO., LTD.** [JP/JP]; 3–5, Chigasaki 3–chome, Chigasaki–shi, Kanagawa 253–8510 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KATAOKA, Takuo** [JP/JP]; Toho Titanium Co., Ltd., Chigasaki Plant, 3–5, Chigasaki 3–chome, Chigasaki–shi, Kanagawa 253–8510 (JP). **SAITO, Masayoshi** [JP/JP]; Toho Titanium Co., Ltd., Chigasaki Plant, 3–5, Chigasaki 3–chome, Chigasaki–shi, Kanagawa 253–8510 (JP). **NISHIYAMA, Isa** [JP/JP]; Toho Titanium Co., Ltd., Chigasaki Plant, 3–5, Chigasaki 3–chome, Chigasaki–shi, Kanagawa 253–8510 (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) BR KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24477** (13) A1

(21) PCT/EP98/07092

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 349.1 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 8/14, C09D 4/06, C09J 4/06, A61K 6/00**

(54) • POLYMERIZABLE COMPOSITION AND THE APPLICATION THEREOF AS A COUPLING AGENT
• COMPOSITION POLYMERISABLE ET SON UTILISATION COMME AGENT ADHESIF

(71) **ESPE DENTAL AG** [DE/DE]; ESPE Platz, D–82229 Seefeld (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MAY, Robert** [DE/DE]; Roseggerstrasse 23, D–82229 Seefeld (DE). **MIKULLA, Markus** [DE/DE]; Hartstrasse 18, D–82346 Andechs–Frieding (DE). **BISSINGER, Peter** [DE/DE]; Gabelsbergerstrasse 11, D–86415 Mering (DE).

(74) **ABITZ, Walter** et al. / etc.; Postfach 86 01 09, D–81628 München (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 : *(c)*

---

(11) **WO 99/24478** (13) A1

(21) PCT/FI98/00866

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 974175 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 10/06, C08L 23/10, C08F 4/00**

(54) • PROCESS FOR PREPARING POLYPROPYLENE
• PROCEDE DE PREPARATION DE POLYPROPYLENE

(71) **BOREALIS A/S** [DK/DK]; Lyngby Hovedgade 96, DK–2800 Lyngby (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KARBASI, Amir** [IR/FI]; Jousenkaari 11 A 20, FIN–02120 Espoo (FI). **LESKINEN, Pauli** [FI/FI]; Susitie 8 B 20, FIN–00800 Helsinki (FI). **JÄÄSKELÄINEN, Pirjo** [FI/FI]; Kaskitie 20, FIN–06150 Porvoo (FI). **MALM, Bo** [FI/FI]; Harjuviita 16 A 27, FIN–02110 Espoo (FI). **PITKÄNEN, Päivi** [FI/FI]; Linnunherne 15, FIN–07190 Halkia (FI). **HÄRKÖNEN, Mika** [FI/NO]; Hegglia 18, N–3930 Porsgrunn (NO). **HAUGEN, John** [NO/NO]; Furukollen 10A, N–3960 Stathelle (NO).

(74) **LAINE, Seppo** et al. / etc.; Seppo Laine Oy, Itämerenkatu 3 B, FIN–00180 Helsinki (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 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).

---

(11) **WO 99/24479** (13) A1

(21) PCT/FI98/00867

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 974176 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FI

(31) 980342 (32) **13 Feb/fév 1998 (13.02.1998)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 10/06, C08L 23/10, C08F 297/08**

(54) • NOVEL PROPYLENE POLYMERS AND PRODUCTS THEREOF
• NOUVEAUX POLYMERES DE PROPYLENE ET PRODUITS DERIVES

(71) **BOREALIS A/S** [DK/DK]; Lyngby Hovedgade 96, DK–2800 Lyngby (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HUOVINEN, Päivi** [FI/FI]; Tontunmäentie 34 C, FIN–02200 Espoo (FI). **JÄÄSKELÄINEN, Pirjo** [FI/FI]; Kaskitie 20, FIN–06150 Porvoo (FI). **KARBASI, Amir** [IR/FI]; Jousenkaari 11 A 20, FIN–02120 Espoo (FI). **LIND, Christer** [SE/SE]; Kyrkvaktarvägen 30, S–444 53 Stenungsund (SE). **MALM, Bo** [FI/FI]; Harjuviita 16 A 27, FIN–02110 Espoo (FI). **HAUGEN, John** [NO/NO]; Furukollen 10A, N–3960 Stathelle (NO).

(74) **LAINE, Seppo** et al. / etc.; Seppo Laine Oy, Itämerenkatu 3 B, FIN–00180 Helsinki (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 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).

---

(11) **WO 99/24480** (13) A1

(21) PCT/US98/22924

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/965,443 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 10/10, 10/00, C07D 307/00**

(54) • METHOD FOR COUPLING LIVING CATIONIC POLYMERS
• PROCEDE DE COUPLAGE DE POLYMERES CATIONIQUES VIVANTS

(71) **DOW CORNING CORPORATION** [US/US]; 2200 West Salzburg Road, Auburn, MI 48611 (US). **UNIVERSITY OF MASSACHUSETTS LOWELL** [US/US]; One University Avenue, Lowell, MA 01854 (US).

(72) **FAUST, Rudolf**; 580 Concord Avenue, Lexington, MA 02173 (US). **HADJIKYRIACOU, Savvas, E.**; Apartment 1, 46 Varney Street, Lowell, MA 01854–3416 (US). **SUZUKI, Toshio**; 4715 Autumn Ridge Circle, Midland, MI 48642 (US).

(74) **WEITZ, Alexander**; Dow Corning Corporation, Patent Dept. – Mail C01232, P.O. Box 994, Midland, MI 48686–0994 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24481** (13) A1

(21) PCT/EP98/06684

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) de (26) de

(31) 197 48 833.1 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 36/00, 36/06**

(54) • METHOD FOR PRODUCING DIENE RUBBER WITH REDUCED INSOLUBLE FRACTIONS
• PROCEDE DE FABRICATION DE CAOUTCHOUC DIENIQUE A FRACTIONS REDUITES EN MATIERES INSOLUBLES

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FISCHER, Wolfgang** [DE/DE]; Haydnstrasse 17, D–69190 Walldorf (DE). **BAUMGÄRTEL, Michael** [DE/DE]; Am Erlenbrunnen 13, D–67271 Kleinkarlbach (DE). **LOTH, Wolfgang** [DE/DE]; Weinstrasse Süd 58, D–67098 Bad Dürkheim (DE). **SCHADE, Christian** [DE/DE]; Lisztstrasse 42, D–67061 Ludwigshafen (DE). **WITTSTOCK, Klaus** [DE/DE]; Rheinbergstrasse 14, D–67550 Worms (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HU ID IL JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24482** (13) A1

(21) PCT/JP98/05070

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/310233 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 210/06, 4/645, C08L 101/00 // (C08F 210/06, 210:08, 232:00) (C08F 210/06, 210:08, 236:20) (C08L 101/00, 23:14)**

(54) • PROPYLENIC COPOLYMER AND THERMOPLASTIC RESIN COMPOSITION
• COMPOSITION A BASE DE COPOLYMERE PROPYLENIQUE ET DE RESINE THERMOPLASTIQUE

(71) **SUMITOMO CHEMICAL COMPANY, LIMITED** [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) **YAMAMOTO, Keisaku** [JP/JP]; 5–3–14, Aobadai, Ichihara–shi, Chiba 299–0117 (JP). **JOHOJI, Hirofumi** [JP/JP]; 7–13–8, Kokubunjidaichuo, Ichihara–shi, Chiba 290–0000 (JP). **HOZUMI, Hidetake** [JP/JP]; 1–9–218, Yushudainishi, Ichihara–shi, Chiba 299–0125 (JP).

(74) **AOYAMA, Tamotsu** et al. / etc.; Aoyama & Partners, IMP Building, 3–7, Shiromi 1–chome, Chuo–ku, Osaka–shi, Osaka 540–0001 (JP).

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

---

(11) **WO 99/24483** (13) A1

(21) PCT/CA98/00875

(22) **17 Sep/sep 1998 (17.09.1998)**

(25) en (26) en

(31) 60/064,747 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 255/02, C08L 77/00, 51/06**

(54) • NON–MASSING TOUGHENERS FOR POLYAMIDES
• AGENTS EPAISSISSANTS NON FORMES EN MASSE POUR LES POLYAMIDES

(71, 72) **FISH, Robert, Benham, Jr.** [US/US]; 112 Woodshire Drive, Parkersburg, WV 26101 (US). **WONG, Chun, Sing** [CA/CA]; 745 Holgate Crescent, Kingston, Ontario K7M 5A7 (CA).

(74) **EISEN, Mark, B.** et al. / etc.; Dimock Stratton Clarizio, Suite 3202, Box 102, 20 Queen Street West, Toronto, Ontario M5H 3R3 (CA).

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

---

(11) **WO 99/24484** (13) A1

(21) PCT/JP98/04977

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) ja (26) ja

(31) 9/304684 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 10/121308 (32) **30 Apr/avr 1998 (30.04.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 293/00, C08L 53/00, C09K 3/10**

(54) • MOLDING MATERIAL
• MATIERE DE MOULAGE

(71) **DAIKIN INDUSTRIES, LTD.** [JP/JP]; Umeda Center Building, 4–12, Nakazaki–nishi 2–chome, Kita–ku, Osaka–shi, Osaka 530–8323 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KISHINE, Mitsuru** [JP/JP]; Yodogawa–seisakusho, Daikin Industries, Ltd., 1–1, Nishihitotsuya, Settsu–shi, Osaka 566–8585 (JP). **KITAICHI, Masanori** [JP/JP]; Yodogawa–seisakusho, Daikin Industries, Ltd., 1–1, Nishihitotsuya, Settsu–shi, Osaka 566–8585 (JP). **NOGUCHI, Tsuyoshi** [JP/JP]; Yodogawa–seisakusho, Daikin Industries, Ltd., 1–1, Nishihitotsuya, Settsu–shi, Osaka 566–8585 (JP). **TANAKA, Yoshito** [JP/JP]; Yodogawa–seisakusho, Daikin Industries, Ltd., 1–1, Nishihitotsuya, Settsu–shi, Osaka 566–8585 (JP). **ARAKI, Takayuki** [JP/JP]; Yodogawa–seisakusho, Daikin Industries, Ltd., 1–1, Nishihitotsuya, Settsu–shi, Osaka 566–8585 (JP). **IRIE, Sadashige** [JP/JP]; Yodogawa–seisakusho, Daikin Industries, Ltd., 1–1, Nishihitotsuya, Settsu–shi, Osaka 566–8585 (JP).

(74) **ASAHINA, Sohta** et al. / etc.; NS Building, 2–22, Tanimachi 2–chome, Chuo–ku, Osaka–shi, Osaka 540–0012 (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).

---

(11) **WO 99/24485** (13) A2

(21) PCT/US98/24170

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/967,848 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08F 293/00**

(54) • POLYMERIC COMPOSITIONS, AND THE PREPARATION AND USE THEREOF
• COMPOSITIONS POLYMERES, LEUR PREPARATION ET UTILISATION

(71) **S.C. JOHNSON COMMERCIAL MARKETS, INC.** [US/US]; 8310 16th Street, M/S 510, P.O. Box 902, Sturtevant, WI 53177–0902 (US).

(72) **ANDERSON, Jeffrey, L.**; 4901 Kings Cove Road, Racine, WI 53406 (US). **PEKARIK, Alan, J.**; 4951 South Nicolet Drive, New Berlin, WI 53151 (US). **TOKAS, Edward**; 2946 Michigan Boulevard, Racine, WI 53402 (US).

(74) **BOVEE, Warren, R.** et al. / etc.; S.C. Johnson Commercial Markets, Inc., Patent Section, 8310 16th Street, M/S 510, Sturtevant, WI 53177–0902 (US).

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

---

(11) **WO 99/24486** (13) A1

(21) PCT/EP98/07094

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 834.5 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08G 18/10, 18/75, 18/76, 18/72**

(54) • POLYURETHANE BINDING AGENTS HAVING A LOW CONTENT OF HIGHLY VOLATILE MONOMERS
• LIANTS POLYURETHANES A FAIBLE TENEUR EN MONOMERES VOLATILS

(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) **HÜBENER, Achim** [DE/DE]; Alter Postweg 87, D–21220 Seevetal (DE). **HENKE, Günter** [DE/DE]; Espenstrasse 34, D–41470 Neuss (DE). **BAUER, Andreas** [DE/DE]; Nordstrasse 50, D–40477 Düsseldorf (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24487** (13) A1

(21) PCT/JP98/05058

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/309063 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 10/17060 (32) **29 Jan/jan 1998 (29.01.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08G 18/62, G03G 15/08, B29D 31/00, C08L 75/04, G03G 15/02, B32B 1/08, F16C 13/00, G03G 15/16, B32B 25/08**

(54) • CONDUCTIVE ROLLER
• ROULEAU CONDUCTEUR

(71) **TOKAI RUBBER INDUSTRIES, LTD.** [JP/JP]; 3600, Aza–Utazu, Oaza–Kitatoyama, Komaki–shi, Aichi 485–8550 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YOSHIKAWA, Hitoshi** [JP/JP]; TE–304, 3600, Aza–Utazu, Oaza–Kitatoyama, Komaki–shi, Aichi 485–0023 (JP). **ARIMURA, Shoji** [JP/JP]; 11–3, Aza Kotatumi, Sanjyo, Bisai–shi, Aichi 494–0003 (JP). **KAJI, Akihiko** [JP/JP]; 83, Orizushinmachi, Inazawa–shi, Aichi 492–8075 (JP). **OHKUWA, Kenichi** [JP/JP]; 20, Higashiyashiki, Haguroshinden, Inuyama–shi, Aichi 484–0888 (JP).

(74) **SAITOH, Yukihiko**; City.Corp. Minamimorimachi 802, 2–7, Minamimorimachi 2–chome, Kita–ku, Osaka–shi, Osaka 530–0054 (JP).

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

---

(11) **WO 99/24488** (13) A1

(21) PCT/EP98/06060

(22) **23 Sep/sep 1998 (23.09.1998)**

(25) en (26) en

(31) 08/967,140 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08G 63/676, C08L 63/00, 71/02, C08G 63/668**

(54) • PROCESS FOR MAKING STORAGE–STABLE EPOXY–CAPPED POLYETHERESTER RESINS
• PROCEDE PERMETTANT DE PRODUIRE DES RESINES DE POLYETHERESTER, A COIFFE EPOXY STABLES A L'ENTREPOSAGE

(71) **ARCO CHEMICAL TECHNOLOGY, L.P.** [US/US]; Two Greenville Crossing, Suite 238, 4001 Kennett Pike, Greenville, DE 19807 (US).
(for all designated States except / pour tous les États désignés sauf MN)

(71) **ARCO CHEMIE TECHNOLOGIE NEDERLAND B.V.** [NL/NL]; Theemsweg 14, NL–3197 KM Botlek Rotterdam (NL).
(only for / seulement pour MN)

(72) **CAI, Gangfeng**; 145 Brittany Place, West Chester, PA 19380 (US). **TRAUTH, Daniel, M.**; 938 Linda Vista Drive, West Chester, PA 19380 (US). **YANG, Lau, S.**; 2604 North Gate Road, Wilmington, DE 19810 (US).

(74) **SMAGGASGALE, Gillian, Helen**; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24489** (13) A1

(21) PCT/JP98/04441

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) ja (26) ja

(31) 9/310138 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08G 65/32**

(54) • PROCESS FOR THE PREPARATION OF POLYETHER OLIGOMER CONTAINING REACTIVE SILICON GROUP
• PROCEDE DE PREPARATION D'UN OLIGOMERE DE POLYETHER CONTENANT UN GROUPE REACTIF SILICONE

(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) **JYONO, Hideharu** [JP/JP]; Sanseiso, 31–17, Shioyacho 6–chome, Tarumi–ku, Kobe–shi, Hyogo 655–0872 (JP). **ODAKA, Hidetoshi** [JP/JP]; 10–36, Okihamacho 4–chome, Takasagocho, Takasago–shi, Hyogo 676–0026 (JP). **ANDO, Hiroshi** [JP/JP]; 718, Akashikoen–Haitaun, 3–2, Saenbacho, Akashi–shi, Hyogo 673–0849 (JP). **IWAKIRI, Hiroshi** [JP/JP]; 9–4, Mikatadai 2–chome, Nishi–ku, Kobe–shi, Hyogo 651–2277 (JP). **ITO, Hiroshi** [JP/JP]; 4–13, Okihamacho 3–chome, Takasagocho, Takasago–shi, Hyogo 676–0026 (JP). **KAWAKUBO, Fumio** [JP/JP]; 21–17, Kitaochiai 5–chome, Suma–ku, Kobe–shi, Hyogo 654–0151 (JP).

(74) **YASUTOMI, Yasuo** et al. / etc.; Recruit Shin Osaka Building 4F, 14–22, Nishinakajima 5–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0011 (JP).

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

---

(11) **WO 99/24490** (13) A1

(21) PCT/US98/23737

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,905 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08G 65/32, A61K 47/48**

(54) • STRICTLY ALTERNATING POLY(ALKYLENE OXIDE ETHER) COPOLYMERS
• ALTERNANCE STRICTE DE COPOLYMERES DE POLY(ALKYLENE ETHER OXYDE)

(63) US 60/064,905 (CIP) 7 Nov/nov 1997 (07.11.1997)

(71) **RUTGERS, THE STATE UNIVERSITY** [US/US]; Old Queens, Somerset Street, New Brunswick, NJ 08903 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOHN, Joachim, B.** [DE/US]; 58 Brookdale Court, Highland Park, NJ 08904 (US). **BOLIKAL, Durgadas** [US/US]; 44 Middlesex Avenue, Edison, NJ 08820 (US). **D'ACUNZO, Francesca** [IT/US]; 728 Bevier Road, Piscataway, NJ 08854 (US).

(74) **BUTCH, Peter, J., III** et al. / etc.; Synnestvedt & Lechner LLP, 2600 Aramark Tower, 1101 Market Street, Philadelphia, PA 19107–2950 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24491** (13) A1

(21) PCT/US98/23655

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,941 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08G 75/00, 75/04**

(54) • CHROMATE–FREE, ONE–PART, NON–CURING CORROSION INHIBITIVE SEALANT WITH RESISTANCE TO AVIATION FUEL
• AGENT D'ETANCHEITE SIMPLE ANTICORROSION, EXEMPT DE CHROMATES, NON DURCISSABLE, ET RESISTANT AUX CARBURANTS D'AVIATION

(71) **COURTAULDS AEROSPACE, INC.** [US/US]; 5430 San Fernando Road, Glendale, CA 91209 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REYES, Alfredo, Jr.** [–/US]; 5944 Troost Avenue, North Hollywood, CA 91101 (US). **CAMPBELL, Frank** [–/US]; 939 Barkman Street, Altadena, CA 91101 (US). **RANDAZZO, Santo** [–/US]; 1925 Paseo La Paza, Pomona, CA 91768 (US).

(74) **BERMAN, Rod, S.**; Jeffer, Mangels, Butler & Marmaro LLP, 10th floor, 2121 Avenue of the Stars, Los Angeles, CA 90067–5010 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24492** (13) A1

(21) PCT/US98/24171

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,390 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 3/03, C08K 5/00**

(54) • AQUEOUS DISPERSIONS OR EMULSIONS OF INTERPOLYMERS OF ALPHA–OLEFIN(S)/HINDERED VINYLIDENE AROMATIC MONOMER(S)
• DISPERSIONS OU EMULSIONS AQUEUSES D'INTERPOLYMERES D'ALPHA–OLEFINE(S)/MONOMERE(S) AROMATIQUE(S) DE VINYLIDENE ENTRAVE

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).

(72) **OATES, John, D.**; 1701 Dilloway Drive, Midland, MI 48640 (US). **CZEREPINSKI, Ralph, G.**; 4905 Washington Street, Midland, MI 48642 (US). **HOENIG, Wendy, D.**; 205 Violet Lane, Lake Jackson, TX 77566 (US). **KERNSTOCK, John, M.**; 315 East Salzburg Road, Bay City, MI 48706–9712 (US). **WALTHER, Brian, W.**; 630 Highway 332, Lake Jackson, TX 77566 (US). **BETHEA, James, R.**; 9165 Woodbine Street, Baton Rouge, LA 70815–4084 (US).

(74) **MCKINNEY, Osborne, K.**; Patent Dept. B–1211, 2301 Brazosport Boulevard, Freeport, TX 77541 (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 : *(c)*

---

(11) **WO 99/24493** (13) A1

(21) PCT/EP98/06862

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 49 989.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 3/12, C09D 5/03**

(54) • METHOD FOR PRODUCING REACTIVE COATING POWDER COMPOSITIONS
• PROCEDE POUR LA PRODUCTION DE COMPOSITIONS REACTIVES DE POUDRE DE REVETEMENT

(71) **HERBERTS GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG** [DE/DE]; Christbusch 25, D–42285 Wuppertal (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KLOSTERMANN, Peter** [DE/DE]; Kaiser–Wilhelm–Allee 13, D–42117 Wuppertal (DE). **MAAG, Karin** [DE/DE]; Am Heidwinkel 7c, D–45721 Haltern (DE). **SAATWEBER, Dietrich** [DE/DE]; Forststrasse 22, D–42369 Wuppertal (DE). **SIMMROCK, Hans–Ulrich** [DE/DE]; Mollenkotten 34, D–42279 Wuppertal (DE).

(74) **TÜRK GILLE HRABAL**; Brucknerstrasse 20, D–40593 Düsseldorf (DE).

(81) AL AU BA BG BR CA CN CZ EE HU JP KR LT LV MX NO PL RO RU SG SI SK TR UA US YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24494** (13) A1

(21) PCT/EP98/06890

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 554.0 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 3/18, 3/20, C09K 3/10**

(54) • METHOD FOR ELASTIFYING AND EXTENDING POLYMERS WITH PVC–HOMO– AND COPOLYMERS OR WITH EVA–COPOLYMERS IN GEL FORM
• PROCEDE POUR L'ELASTIFICATION ET LA DILUTION DE POLYMERES AVEC DES HOMO– ET COPOLYMERES DE PVC OU AVEC DES COPOLYMERES D'EVA SOUS FORME DE GEL

(71) **HENKEL TEROSON GMBH** [DE/DE]; Hans–Bunte–Strasse 4, D–69123 Heidelberg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHÄTZLE, Michael** [DE/DE]; Matthias–Hess–Strasse 76, D–69190 Walldorf (DE). **BRIDE, Gabriele** [DE/DE]; August–Ziegelmüller–Strasse 13, D–69226 Nußloch (DE). **KERN, Gisbert** [DE/DE]; Schefflenzer Strasse 28, D–68259 Mannheim–Freudenheim (DE). **LEPKA, Wolfgang** [DE/DE]; Freiburger Strasse 29, D–69126 Heidelberg (DE).

(74) **MATHES, Nikolaus**; Henkel Kommanditgesellschaft auf Aktien, Patente (VTP), D–40191 Düsseldorf (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)*

(11) **WO 99/24495** (13) A1

(21) PCT/JP98/05035

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/307362 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 3/20, B29B 7/38, C08L 67/02, C08K 3/22, 5/00**

(54) • MODIFIED THERMOPLASTIC RESIN COMPOSITION AND METHOD OF PRODUCING THE SAME
• COMPOSITION DE RESINE THERMOPLASTIQUE MODIFIEE ET PROCEDE DE PRODUCTION ASSOCIE

(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) **TAKASE, Toru** [JP/JP]; Teijin Limited, Matsuyama Factory, 77, Kitayoshida–cho, Matsuyama–shi, Ehime 791–8041 (JP). **MAEKAWA, Tatsuji** [JP/JP]; Teijin Limited, Matsuyama Factory, 77, Kitayoshida–cho, Matsuyama–shi, Ehime 791–8041 (JP). **NAKAO, Takuo** [JP/JP]; Teijin Limited, 1–1, Uchisaiwaicho 2–chome, Chiyoda–ku, Tokyo 100–0011 (JP). **KURIHARA, Hideshi** [JP/JP]; Teijin Limited, Matsuyama Factory, 77, Kitayoshida–cho, Matsuyama–shi, Ehime 791–8041 (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) BR CA CN CZ ID JP KR MX TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24496** (13) A1

(21) PCT/JP98/04959

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) ja (26) ja

(31) 9/322171 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 10/271056 (32) **25 Sep/sep 1998 (25.09.1998)** (33) JP

(31) 10/281149 (32) **2 Oct/oct 1998 (02.10.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 5/00, C08L 23/00**

(54) • METHOD OF MOLDING GEL OF ORIENTED POLYOLEFIN RESIN COMPOSITION AND MOLDED OBJECT OBTAINED BY THE METHOD
• PROCEDE DE MOULAGE DE GEL DE COMPOSITION DE RESINE POLYOLEFINIQUE ORIENTEE ET OBJET MOULE PRODUIT PAR CE PROCEDE

(71) **NEW JAPAN CHEMICAL CO., LTD.** [JP/JP]; 13, Yoshijima Yagura–cho, Fushimi–ku, Kyoto–shi, Kyoto 612–8224 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOBAYASHI, Toshiaki** [JP/JP]; 11–16, Suzaku 5–chome, Nara–shi, Nara 631–0806 (JP). **SADAMITSU, Kiyoshi** [JP/JP]; 85–2, Hiranoyama, Hashimoto, Yawata–shi, Kyoto 614–8347 (JP).

(74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1–7–1, Doshomachi, Chuo–ku, Osaka–shi, Osaka 541–0045 (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).

---

(11) **WO 99/24497** (13) A1

(21) PCT/CA98/01041

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/967,960 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 5/22, 7/16, C08F 291/00, H01M 8/10**

(54) • GRAFT POLYMERIC MEMBRANES AND ION–EXCHANGE MEMBRANES FORMED THEREFROM
• MEMBRANES DE POLYMERE GREFFE ET MEMBRANES ECHANGEUSES D'IONS FORMEES A PARTIR DES MEMBRANES DE POLYMERE

(71) **BALLARD POWER SYSTEMS INC.** [CA/CA]; 9000 Glenlyon Parkway, Burnaby, British Columbia V5J 5J9 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STONE, Charles** [CA/CA]; 1088 Quebec Street #701, Vancouver, British Columbia V6A 4H2 (CA). **STECK, Alfred, E.** [CA/CA]; 3956 Westridge Avenue, West Vancouver, British Columbia V7V 3H7 (CA).

(74) **DE KOCK, Elbie, R.**; Russell Reyneke, Two Bentall Centre, Suite 700, 555 Burrard Street, Vancouver, British Columbia V7X 1M8 (CA).

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

---

(11) **WO 99/24498** (13) A2

(21) PCT/US98/23907

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,532 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 7/00**

(54) • METHODS AND APPARATUS FOR BONDING DEFORMABLE MATERIALS HAVING LOW DEFORMATION TEMPERATURES
• PROCEDE ET APPAREIL PERMETTANT DE LIER DES MATERIAUX DEFORMABLES A BASSES TEMPERATURES DE DEFORMATION

(71) **NIKE, INC.** [US/US]; One Bowerman Drive, Beaverton, OR 97005–6453 (US).
(only for / seulement pour JP KR)

(71) **NIKE INTERNATIONAL LTD.** [US/US]; One Bowerman Drive, Beaverton, OR 97005–6453 (US).
(for all designated States except / pour tous les États désignés sauf JP KR)

(72) **KILGORE, Bruce, J.**; 1244 Hood View Lane, Lake Oswego, OR 97035 (US). **McKNIGHT, Thomas**; 14024 Northwyn Drive, Silver Spring, MD 20904 (US). **O'MOHUNDDRO, Roy, Lynn**; 10660 S.W. Wilsonville Road #36, Wilsonville, OR 97070 (US). **BATTISTA, John, A., Jr.**; 6853 Twin Lakes Road, Boulder, CO 80301 (US). **PETRUCCI, Richard, J.**; 1136 Cook Street, Denver, CO 80206 (US).

(74) **NIEGOWSKI, James, A.** et al. / etc.; Banner & Witcoff, Ltd., 11th floor, 1001 G Street, N.W., Washington, DC 20001–4597 (US).

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

---

(11) **WO 99/24499** (13) A1

(21) PCT/JP97/04054

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) ja (26) ja

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 9/12**

(54) • FOAMED INSULATING MATERIAL, INSULATING BOX BODY MADE USING SAID FOAMED INSULATING MATERIAL, AND PROCESS FOR PREPARING FOAMED INSULATING MATERIAL
• MATERIAU ALVEOLAIRE MOUSSANT, CORPS DE BOITE ISOLANTE FABRIQUEE A L'AIDE DE CE MATERIAU, ET PROCEDE DE PREPARATION DE CE MATERIAU

(71) **MATSUSHITA REFRIGERATION COMPANY** [JP/JP]; 2–5, Takaida–hondouri 4–chome, Higashiosaka–shi, Osaka 577 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKAMOTO, Hideo** [JP/JP]; 16–16–1515, Niitaka 6–chome, Yodogawa–ku, Osaka–shi, Osaka 532 (JP). **TSUDA, Yoshiyuki** [JP/JP]; 1–16, Asahigaoka 2–chome, Ikeda–shi, Osaka 565 (JP). **YUASA, Akiko** [JP/JP]; 21–1–517, Kawarakitaguchi, Kyotanabe–shi, Kyoto 610–03 (JP).

(74) **HIGASHIMA, Takaharu** et al. / etc.; Higashima & Ishii Patent Office, Daiko Building, 2–14, Umeda 3–chome, Kita–ku, Osaka–shi, Osaka 530 (JP).

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

---

(11) **WO 99/24500** (13) A1

(21) PCT/JP98/04989

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) ja (26) ja

(31) 9/304331 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 9/311963 (32) **13 Nov/nov 1997 (13.11.1997)** (33) JP

(31) 10/196263 (32) **10 Jul/juil 1998 (10.07.1998)** (33) JP

(31) 10/264533 (32) **18 Sep/sep 1998 (18.09.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08J 9/12, C08L 83/05**

(54) • FOAMABLE RESIN COMPOSITION AND PROCESS FOR PRODUCING FOAM
• COMPOSITION DE RESINE EXPANSIBLE ET PROCEDE DE PRODUCTION DE MOUSSE

(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) **NAKANISHI, Naoaki** [JP/JP]; 27–5–201, Shirakawadai 1–chome, Suma–ku, Kobe–shi, Hyogo 654–0103 (JP). **KOMITSU, Shintaro** [JP/JP]; 3–15, Umei 2–chome, Takasago–shi, Hyogo 676–0074 (JP). **FUJIHARA, Takafumi** [JP/JP]; 131–1–823, Arise, Ikawadanicho, Nishi–ku, Kobe–shi, Hyogo 651–2113 (JP). **OKAMOTO, Toshihiko** [JP/JP]; 11–21, Kotsukayama 6–chome, Tarumi–ku, Kobe–shi, Hyogo 655–0002 (JP). **OUCHI, Katsuya** [JP/JP]; 6–6–521, Maikodai, Tarumi–ku, Kobe–shi, Hyogo 655–0046 (JP).

(74) **TSUTADA, Akiko** et al. / etc.; Daihyakusei-meiosakakawaramachi Building, 8th floor, 7–1, Kawaramachi 1–chome, Chuo–ku, Osaka–shi, Osaka 541–0048 (JP).

(81) CA CN JP NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24501** (13) A1

(21) PCT/EP98/07216

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 974178 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08K 3/34, C08L 53/00**

(54) • TALC CONTAINING POLYPROPYLENE COMPOSITIONS
• COMPOSITIONS DE POLYPROPYLENE RENFERMANT DU TALC

(71) **BOREALIS A/S** [DK/DK]; Lyngby Hovedgade 96, DK–2800 Lyngby (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AUGESTAD, Morten** [NO/NO]; Neptunveien 14, N–3942 Skjelsvik (NO). **TØRÅ, Dag** [NO/NO]; Hydalkroken 8, N–3970 Langesund (NO). **AASETRE, Sveinung** [NO/NO]; Olesvei 9, N–3960 Stathelle (NO).

(74) **LAINE, Seppo** et al. / etc.; Seppo Laine Oy, Itämerenkatu 3 B, FIN–00180 Helsinki (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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24502** (13) A1

(21) PCT/EP98/07111

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/14210 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08K 5/00, 5/098, B60C 1/00, C08L 21/00**

(54) • RUBBER BASED PRODUCT, METHOD FOR OBTAINING SAME AND METHOD FOR REDUCING ROLLING RESISTANCE OF A TYRE MADE OF SAID PRODUCT
• PRODUIT A BASE DE CAOUTCHOUC, SON PROCEDE D'OBTENTION ET PROCEDE POUR REDUIRE LA RESISTANCE AU ROULEMENT D'UN PNEUMATIQUE CONSTITUE DUDIT PRODUIT

(71) **COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN – MICHELIN & CIE** [FR/FR]; 12, cours Sablon, F–63040 Clermont–Ferrand Cedex 09 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MASSON, François** [FR/FR]; 8 bis, cours Sablon, F–63000 Clermont–Ferrand (FR). **RENAULT, Francis** [FR/FR]; 78, rue de Nohanent, F–63100 Clermont–Ferrand (FR).

(74) **HIEBEL, Robert**; Michelin & Cie, Service SGD/LG/PI–LAD, F–63040 Clermont–Ferrand 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24503** (13) A1

(21) PCT/EP98/07215

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 974177 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08K 5/00, C08L 23/10**

(54) • COLOURED POLYPROPYLENE COMPOSITIONS
• COMPOSITIONS DE POLYPROPYLENE COLOREES

(71) **BOREALIS A/S** [DK/DK]; Lyngby Hovedgade 96, DK–2800 Lyngby (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CROZIER, Hérve** [NO/NO]; Ekliveien 37, N–3960 Stathelle (NO). **FOLLAND, Rick** [BE/BE]; Chemins des Hougardiers 3, Melin, B–1370 Jodoigne (BE).

(74) **LAINE, Seppo** et al. / etc.; Seppo Laine Oy, Itämerenkatu 3 B, FIN–00180 Helsinki (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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24504** (13) A1

(21) PCT/SE98/01977

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 9704137–0 (32) **12 Nov/nov 1997 (12.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08K 5/17, C08L 23/04 // H01B 1/12, 3/44**

(54) • WATER TREE RETARDING ADDITIVE
• ADDITIF RETARDANT L'APPARITION DES TRACES DE SOUILLURES PAR HUMIDITE

(71) **BOREALIS A/S** [DK/DK]; Lyngby Hovedgade 96, DK–2800 Lyngby (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NYLANDER, Perry** [SE/SE]; Kopparslagaregatan 32, S–412 61 Göteborg (SE).

(74) **AWAPATENT AB**; P.O. Box 5117, S–200 71 Malmö (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 EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) 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 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).

---

(11) **WO 99/24505** (13) A1

(21) PCT/US97/20491

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08L 3/04, C08K 3/10, 3/16, B32B 7/12**

(54) • WATER–ACTIVATED ADHESIVE AND PAPER–PLASTIC TAPE CONTAINING SAME
• ADHESIF A REACTIVATION A L'EAU ET RUBAN PLASTIQUE–PAPIER CONTENANT LEDIT ADHESIF

(71) **BRT, INC.** [US/US]; 501 Silverside Road, Wilmington, DE 19809 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RIVLIN, Jonathan, B.** [US/US]; 20 Pilgrim Run, East Brunswick, NJ 08816 (US). **VODOOR, Sam, B.** [US/US]; 13 Campbell Drive, Parlin, NJ 08859 (US). **HERRING, William, A.** [US/US]; 3029 West Heritage Avenue, Appleton, WI 54914 (US).

(74) **FANUCCI, Allan, A.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH HU ID IL IS JP KG KP 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; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24506** (13) A1

(21) PCT/US98/21829

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/966,930 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08L 23/16, 23/02, 23/10**

(54) • PARTIALLY CURED THERMOPLASTIC ELASTOMERS OF OLEFIN RUBBER AND POLYOLEFIN RESIN
• ELASTOMERES THERMOPLASTIQUES PARTIELLEMENT DURCIS DE CAOUTCHOUC D'OLEFINE ET DE RESINE DE POLYOLEFINE

(71) **UNIROYAL CHEMICAL COMPANY, INC.** [US/US]; World Headquarters, Middlebury, CT 06749 (US).

(72) **PETERSEN, Henno, August**; 6 Orange Pippin Road, Sandy Hook, CT 06482 (US). **DAVIES, Timothy, John**; Maranoa, Ellington Road, Maidenhead, Berkshire SL6 0BA (GB).

(74) **THOMPSON, Raymond, D.**; Uniroyal Chemical Company, Inc., World Headquarters, Middlebury, CT 06749 (US).

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

---

(11) **WO 99/24507** (13) A1

(21) PCT/US98/23640

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,742 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08L 27/04**

(54) • ELASTOMERIC ARTICLES FROM A BLEND OF POLYCHLOROPRENE AND ACRYLONITRILE
• ARTICLES ELASTOMERES FABRIQUES A PARTIR D'UN MELANGE DE CHLOROPRENE ET D'ACRYLONITRILE

(71) **MICROFLEX MEDICAL CORP.** [US/US]; P.O. Box 32000, Reno, NV 89533–2000 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SAKS, Nathan, M.** [US/US]; 127 Woodland Avenue, Reno, NV 89533 (US). **BAKER, Jason, A.** [US/US]; 5385 Vista Ridge, Reno, NV 89533 (US). **ALDAPE, Fortunato, G.** [US/US]; 5811 Shadow Park Drive, Reno, NV 89523 (US). **GLENN, James, S.** [US/US]; 1601 Foster Drive, Reno, NV 89509 (US).

(74) **OLDHAM, Scott, M.** et al. / etc.; Oldham & Oldham Co., L.P.A., 1225 W. Market Street, Akron, OH 44313 (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).

---

(11) **WO 99/24508** (13) A1

(21) PCT/US98/23236

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,927 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08L 63/02, 63/04, 63/08, 77/00, 77/06, 77/08, 79/00**

(54) • CRYSTALLIZATION RESISTANT AMIDOAMINE COMPOSITIONS
• COMPOSITIONS AMIDOAMINES RESISTANTES A LA CRISTALLISATION

(71) **HENKEL CORPORATION** [US/US]; Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US).

(72) **SHAH, Shailesh**; 1704 St. Georges Road, Dresher, PA 19025 (US). **MOON, Robert, M.**; 444 Babylon Road, Horsham, PA 19044 (US).

(74) **MURPHY, Glenn, E., J.**; 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 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).

---

(11) **WO 99/24509** (13) A1

(21) PCT/JP98/04988

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) ja (26) ja

(31) 9/304331 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 9/311964 (32) **13 Nov/nov 1997 (13.11.1997)** (33) JP

(31) 10/220 (32) **5 Jan/jan 1998 (05.01.1998)** (33) JP

(31) 10/196263 (32) **10 Jul/juil 1998 (10.07.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08L 101/00, 83/05, C08K 5/54, C08J 9/04, C08G 77/14**

(54) • HARDENER, CURABLE COMPOSITION AND FOAMABLE RESIN COMPOSITION BOTH CONTAINING THE HARDENER, AND FOAM MADE FROM THE FOAMABLE RESIN COMPOSITION AND PROCESS FOR PRODUCING THE SAME
• DURCISSEUR, COMPOSITION RETICULABLE ET COMPOSITION DE RESINE EXPANSIBLE CONTENANT TOUTES DEUX LEDIT DURCISSEUR, MOUSSE FABRIQUEE A PARTIR DE LADITE COMPOSITION DE RESINE EXPANSIBLE ET PROCEDE DE FABRICATION 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) **NAKANISHI, Naoaki** [JP/JP]; 27–5–201, Shirakawadai 1–chome, Suma–ku, Kobe–shi, Hyogo 654–0103 (JP). **OUCHI, Katsuya** [JP/JP]; 6–6–521, Maikodai, Tarumi–ku, Kobe–shi, Hyogo 655–0046 (JP). **KOMITSU, Shintaro** [JP/JP]; 3–15, Umei 2–chome, Takasago–shi, Hyogo 676–0074 (JP).

(74) **TSUTADA, Akiko** et al. / etc.; Daihyakuseimeiosakakawaramachi Building, 8th floor, 7–1, Kawaramachi 1–chome, Chuo–ku, Osaka–shi, Osaka 541–0048 (JP).

(81) CA CN JP NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24510** (13) A1

(21) PCT/US98/24203

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,321 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08L 101/02, C08G 81/02 // C08J 3/03**

(54) • WATER DISPERSIBLE POLYMERIC COMPOSITIONS
• COMPOSITIONS POLYMERES DISPERSABLES DANS L'EAU

(71) **S.C. JOHNSON COMMERCIAL MARKETS, INC.** [US/US]; 8310 16th Street, M/S 510, P.O. Box 902, Sturtevant, WI 53177–0902 (US).

(72) **ANDERSON, Jeffrey, L.**; 4901 Kings Cove Road, Racine, WI 53406 (US). **TOKAS, Edward**; 2946 Michigan Boulevard, Racine, WI 53401 (US).

(74) **RYMARZ, J., Renee** et al. / etc.; S.C. Johnson Commercial Markets, Inc., Patent Section, 8310 16th Street, M/S 510, Sturtevant, WI 53177–0902 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24511** (13) A1

(21) PCT/JP98/05019

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/310637 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(31) 10/303929 (32) **26 Oct/oct 1998 (26.10.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C08L 101/12, 67/03, C08K 3/32, 3/38**

(54) • LIQUID–CRYSTAL POLYMER MOLDING
• MOULAGE EN POLYMERE CRISTAL LIQUIDE

(71) **POLYPLASTICS CO., LTD.** [JP/JP]; 3–13, Azuchimachi 2–chome, Chuo–ku, Osaka–shi, Osaka 541–0052 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AKETA, Tomoyuki** [JP/JP]; Polyplastics Co., Ltd., 973, Miyajima, Fuji–shi, Shizuoka 416–8533 (JP). **KOBAYASHI, Kazuhito** [JP/JP]; Polyplastics Co., Ltd., 973, Miyajima, Fuji–shi, Shizuoka 416–8533 (JP). **FUKUTE, Yasuyuki** [JP/JP]; Polyplastics, Co., Ltd., 973, Miyajima, Fuji–shi, Shizuoka 416–8533 (JP).

(74) **FURUYA, Kaoru** et al. / etc.; Nihonbashi TM Building, 1–8–11, Nihonbashi–Horidomecho, Chuo–ku, Tokyo 103–0012 (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).

---

(11) **WO 99/24512** (13) A1

(21) PCT/US98/23618

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/063,984 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09D 4/00, 4/06**

(54) • COATING COMPOSITION
• COMPOSITION POUR REVETEMENT

(71) **THE EDGINGTON COMPANY** [US/US]; Lewis Incubator for Technology, 4440 Warrensville Center Road, Cleveland, OH 44128–2837 (US).

(72) **EDGINGTON, Garry, J.**; 232 Cherry Lane, Avon Lake, OH 44012 (US).

(74) **DUCHEZ, Neil, A.**; Renner, Otto, Boisselle & Sklar, P.L.L., 19th floor, 1621 Euclid Avenue, Cleveland, OH 44115 (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 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 : *(c)*

---

(11) **WO 99/24513** (13) A1

(21) PCT/EP97/06173

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09D 5/00, 5/02**

(54) • SELF–ARRANGING COATING
• REVETEMENT AUTOORGANISATEUR

(71) **MAX–PLANCK–GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.** [DE/DE]; Hofgartenstrasse 2, D–80539 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **THÜNEMANN, Andreas** [DE/DE]; Ortlerweg 30, D–12207 Berlin (DE). **LOCHHAAS, Helmut** [DE/DE]; Lechtaler Weg 7–9, D–12209 Berlin (DE).

(74) **WEICKMANN, H.** et al. / etc.; Kopernikusstrasse 9, D–81679 München (DE).

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

---

(11) **WO 99/24514** (13) A1

(21) PCT/EP98/07143

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 643.1 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09D 5/02, 7/12**

(54) • AQUEOUS COMPOSITION COMPRISED OF A CARBONYL POLYMER DISPERSION, A PIGMENT, AND A POLYAMINE
• COMPOSITIONS AQUEUSES CONSTITUEES D'UNE DISPERSION CARBONYLE–POLYMERE, D'UN PIGMENT ET DE POLYAMINE

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZHAO, Cheng–Le** [CN/DE]; Schälzigweg 39, D–68723 Schwetzingen (DE). **ROSER, Joachim** [DE/DE]; Richard–Wagner–Strasse 55, D–68165 Mannheim (DE). **DERSCH, Rolf** [DE/DE]; Kastanienweg 11c, D–67434 Neustadt (DE).

(74) **KINZEBACH, Werner** et al. / etc.; Reitstötter, Kinzebach & Partner, Sternwartstrasse 4, D–81679 München (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24515** (13) A1

(21) PCT/EP98/06824

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 48 764.5 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09D 5/10, 163/00**

(54) • CONDUCTIVE ORGANIC COATINGS
• REVETEMENTS ORGANIQUES CONDUCTEURS

(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) **WICHELHAUS, Winfried** [DE/DE]; Stifterstrasse 3, D–40822 Mettmann (DE). **LORENZ, Wolfgang** [DE/DE]; Amselweg 11, D–40699 Erkrath (DE). **KUNZ, Andreas** [DE/DE]; Birgdener Berg 15b, D–42855 Remscheid (DE). **KREY, Wolfgang** [DE/DE]; Moospfad 17, D–42113 Wuppertal (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24516** (13) A1

(21) PCT/US98/24107

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,124 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09D 123/16, C09J 123/16**

(54) • AQUEOUS PRESSURE SENSITIVE ADHESIVE FORMULATIONS
• FORMULATIONS D'ADHESIFS AUTOCOLLANTS AQUEUX

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OATES, John, D.** [US/US]; 1701 Dilloway Drive, Midland, MI 48640 (US). **HO, Thoi, H.** [US/US]; 54 Orchid Court, Lake Jackson, TX 77566 (US). **HOENIG, Wendy, D.** [US/US]; 205 Violet, Lake Jackson, TX 77566 (US). **CALVERT, David, J.** [GB/GB]; 126 Greenshaw Drive, Haxby, Yorkshire Y03 3DG (GB).

(74) **WARRICK, Noreen, D.**; 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24517** (13) A2

(21) PCT/US98/24028

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/969,198 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09D 143/04, 133/06, C08G 65/336, 77/60, 18/38**

(54) • COATINGS THAT CONTAIN REACTIVE SILICON OLIGOMERS
• ENDUITS RENFERMANT DES OLIGOMERES DE SILICIUM REACTIFS

(71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).

(72) **GREGOROVICH, Basis, V.**; 7 Zachary Court, Wilmington, DE 19803 (US). **HAZAN, Isidor**; 14 Candlestick Road, Clementon, NJ 08021 (US). **WILCZEK, Lech**; 3310 Englewood Road, Wilmington, DE 19810 (US).

(74) **DESHMUKH, Sudhir, G.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

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

---

(11) **WO 99/24518** (13) A1

(21) PCT/US98/05607

(22) **23 Mar/mar 1998 (23.03.1998)**

(25) en (26) en

(31) 08/965,250 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09J 7/02, 7/04**

(54) • NONWOVEN PRESSURE SENSITIVE ADHESIVE TAPE
• RUBAN ADHESIF AUTOCOLLANT NON TISSE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **SETH, Jayshree**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **BOND, William, 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 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 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).

---

(11) **WO 99/24519** (13) A1

(21) PCT/US98/21613

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

(25) en (26) en

(31) 9/307598 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09J 7/02, E06B 3/16, B44C 1/17**

(54) • ADHESIVE SHEET FOR A WINDOW GLASS STRUCTURE
• FEUILLE ADHESIVE POUR STRUCTURE DE VERRE A VITRES

(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) **HATA, Michiru** [JP/JP]; 16–8–201, Yabe 4–chome, Sagamihara–city, Kanagawa Pref. 229 (JP).

(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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24520** (13) A1

(21) PCT/US98/22329

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(31) 08/964,139 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09J 9/02**

(54) • MICROWAVE CURABLE ADHESIVE
• ADHESIF DURCISSABLE PAR MICRO–ONDE

(63) US 08/964,139 (CON) 6 Nov/nov 1997 (06.11.1997)

(71) **LAMBDA TECHNOLOGIES, INC.** [US/US]; Suite 900, 960 Aviation Parkway, Morrisville, NC 27560 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEI, Jianghua** [CN/US]; 4100–186 Deep Hollow Drive, Raleigh, NC 27612 (US). **FATHI, Zakaryae** [MA/US]; 101 H Stephanie Drive, Cary, NC 27511 (US).

(74) **SAJOVEC, F., Michael** 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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24521** (13) A1

(21) PCT/EP98/06822

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 48 978.8 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09J 11/06, 201/00**

(54) • NON–BAKING HOT–MELT ADHESIVE PREPARATION
• PREPARATION ADHESIVE THERMOFUSIBLE SANS CUISSON

(71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D–40589 Düsseldorf (DE).

(72) **HERLFTERKAMP, Bernhard**; Hans–Böckler–Strasse 22, D–46236 Bottrop (DE). **BEHLER, Ansgar**; Siegfriedstrasse 80, D–46240 Bottrop (DE).

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

---

(11) **WO 99/24522** (13) A1

(21) PCT/EP98/06907

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) de (26) de

(31) 197 49 101.4 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09J 133/08, C09D 133/08, 5/34, C09K 3/10, C08K 5/101, 5/09, 5/15**

(54) • POLYACRYLATE JOINT SEALANTS
• PATE D'ETANCHEITE POUR JOINTS EN POLYACRYLATE

(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) **LOTH, Helmut** [DE/DE]; Ursulastrasse 17, D–45131 Essen (DE). **HELPENSTEIN, Klaus** [DE/DE]; Klosterhofweg 15, D–41199 Mönchengladbach (DE). **KLAUCK, Wolfgang** [DE/DE]; Dresdener Strasse 12, D–40670 Meerbusch (DE). **KLEIN, Johann** [DE/DE]; Urdenbacher Acker 20a, D–40593 Düsseldorf (DE). **DUHM, Lydia** [DE/DE]; Haus–Endt–Strasse 78, D–40593 Düsseldorf (DE).

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

---

(11) **WO 99/24523** (13) A1

(21) PCT/JP98/05046

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/327143 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(31) 9/329622 (32) **13 Nov/nov 1997 (13.11.1997)** (33) JP

(31) 60/088,882 (32) **11 Jun/juin 1998 (11.06.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09K 3/18, B32B 7/00, B05D 5/00**

(54) • WATER–REPELLENT COATING MATERIAL AND ARTICLE WITH WATER–REPELLENT SURFACE
• MATIERE DE REVETEMENT RESISTANTE A L'EAU ET ARTICLE DOTE D'UNE SURFACE RESISTANTE A L'EAU

(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) **NAKAMURA, Kasumi** [JP/JP]; Central Research Laboratory, Showa Denko K.K., 1–1, Ohnodai 1–chome, Midori–ku, Chiba–shi, Chiba 267–0056 (JP). **MONDEN, Ryuji** [JP/JP]; Ohmachi Works, Showa Denko K.K., 6850, Oaza Ohmachi, Ohmachi–shi, Nagano 398–0002 (JP). **INOUE, Chozo** [JP/JP]; Central Research Laboratory, Showa Denko K.K., 1–1, Onodai 1–chome, Midori–ku, Chiba–shi, Chiba 267–0056 (JP). **MIYASAKA, Yoshihiko** [JP/JP]; Central Research Laboratory, Showa Denko K.K., 1–1, Ohnodai 1–chome, Midori–ku, Chiba–shi, Chiba 267–0056 (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) CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24524** (13) A1

(21) PCT/US98/23876

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,596 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 09/135,138 (32) **17 Aug/août 1998 (17.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09K 5/00**

(54) • SILICATE FREE ANTIFREEZE COMPOSITION
• COMPOSITION ANTIGEL EXEMPTE DE SILICATE

(63) US 09/135,138 (CIP) 17 Aug/août 1998 (17.08.1998)

(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) **TURCOTTE, David, E.** [US/US]; 4306 Stoneyhurst Place, Lexington, KY 40514 (US). **COFFEY, Arnold, L., Jr.** [US/US]; Apartment 65, 3650 Tates Creek Road, Lexington, KY 40517 (US). **OLSEN, Alden, W.** [US/US]; 3117 Glenwood Drive, Lexington, KY 40509 (US). **DITURO, Michael, A.** [US/US]; 4386 Green Valley Road, Huntington, WV 25701 (US). **STEPHENS, Carl, R.** [US/US]; 2619 Algonquin Avenue, Ashland, KY 41102 (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 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 US UZ VN YU ZW; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/24525** (13) A1

(21) PCT/EP98/06575

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) de (26) de

(31) 197 49 731.4 (32) **11 Nov/nov 1997** (33) DE **(11.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09K 5/06, B01J 13/14, C04B 20/10**

(54) • APPLICATION OF MICROCAPSULES AS LATENT HEAT ACCUMULATORS
• UTILISATION DE MICROCAPSULES EN TANT QU'ACCUMULATEURS DE CHALEUR LATENTE

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JAHNS, Ekkehard** [DE/DE]; Wintergasse 19/2, D–69469 Weinheim (DE). **RECK, Bernd** [DE/DE]; Beim Bergtor 14, D–67269 Grünstadt (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D–67056 Ludwigshafen (DE).

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

---

(11) **WO 99/24526** (13) A1

(21) PCT/EP98/06722

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) de (26) de

(31) 197 48 814.5 (32) **5 Nov/nov 1997** (33) DE **(05.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09K 11/06, H05B 33/14**

(54) • SUBSTITUTED POLY(ARYLENE VINYLENES), METHOD FOR PRODUCING THE SAME, AND THEIR USE IN ELECTROLUMINESCENT ELEMENTS
• POLY(ARYLENEVINYLENES) SUBSTITUES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION DANS DES ELEMENTS ELECTROLUMINESCENTS

(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) **SPREITZER, Hubert** [DE/DE]; Inselsbergstrasse 10, D–65929 Frankfurt am Main (DE). **KREUDER, Willi** [DE/DE]; Sertoriusring 13, D–55126 Mainz (DE). **BECKER, Heinrich** [DE/DE]; Zum Talblick 30, D–61479 Glashütten (DE). **SCHENK, Hermann** [DE/DE]; Breckenheimer Strasse 32, D–65719 Hofheim (DE). **YU, Nu** [CN/US]; 534 Mapletree Drive, Knoxville, TN 37922 (US).

(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).

---

(11) **WO 99/24527** (13) A1

(21) PCT/US98/23625

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,388 (32) **7 Nov/nov 1997** (33) US **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09K 11/06, G11B 3/70, 7/24**

(54) • FLUORESCENT COMPOSITION FOR THE MANUFACTURE OF CD–ROM TYPE OPTICAL MEMORY DISKS
• COMPOSITION FLUORESCENTE POUR FABRIQUER DES DISQUES OPTIQUES DU TYPE CD–ROM

(71) **OMD DEVICES LLC** [US/US]; Berezowsky, Leonardo, 1013 Centre Road, Wilmington, DE 19805 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ALPEROVICH, Mark** [IL/IL]; Hamelech Hizkija 33/3, 77497 Ashdod (IL). **GLUSHKO, Boris** [IL/IL]; Melech Rechavam Street 20/8, Rova Gimel, 77480 Ashdod (IL). **KRUPKIN, Vladimir** [IL/IL]; Ashdod (IL). **LEVICH, Eugene** [IL/US]; Apartment 9L, 330 West 45 Street, New York, NY 10036 (US). **SUL, Irene** [IL/IL]; Ashdod (IL).

(74) **COHEN, Herbert** et al. / etc.; Blank Rome Comisky & McCauley LLP, Wigman, Cohen, Leitner & Myers, Intellectual Property Group, 900 17th Street, N.W., Washington, DC 20006 (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).

---

(11) **WO 99/24528** (13) A1

(21) PCT/JP98/04054

(22) **10 Sep/sep 1998 (10.09.1998)**

(25) ja (26) ja

(31) 9/329627 (32) **12 Nov/nov 1997** (33) JP **(12.11.1997)**

(31) 10/64633 (32) **26 Feb/fév 1998** (33) JP **(26.02.1998)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09K 11/08**

(54) • PHOSPHOR, FLUORESCENT SUBSTANCE PRODUCED FROM THE SAME AND PROCESSES FOR THE PRODUCTION OF BOTH
• PHOSPHORE, SUBSTANCE FLUORESCENTE PRODUITE A PARTIR DE PHOSPHORE ET PROCEDES DE LEUR FABRICATION

(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) **OSHIO, Shouzo** [JP/JP]; Room 203, Houren–sanhaitsu, 752–1, Houren–cho, Nara–shi, Nara 630–8113 (JP). **SHIGETA, Teruaki** [JP/JP]; Oakhills–kouri Ichibankan, 30–1–501, Miiminamimachi, Neyagawa–shi, Osaka 572–0019 (JP). **HORII, Shigeru** [JP/JP]; 6–45–3, Makami–cho, Takatsuki–shi, Osaka 569–1121 (JP). **MATSUOKA, Tomizo** [JP/JP]; 31–30, Ishizuhigashimachi, Neyagawa–shi, Osaka 572–0027 (JP). **KITAMURA, Koji** [JP/JP]; 46–4–104, Yamadaikehigashimachi, Hirakata–shi, Osaka 573–0165 (JP). **NISHIURA, Takeshi** [JP/JP]; Room 302, Hiiragihaitsu, 2–15–9, Minaminakaburi, Hirakata–shi, Osaka 573–0094 (JP).

(74) **MATSUDA, Masamichi**; Shin–Osaka Ikushima Building, 1–3, Miyahara 5–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0003 (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)*

---

(11) **WO 99/24529** (13) A1

(21) PCT/EP98/07110

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 123.5 (32) **6 Nov/nov 1997** (33) DE **(06.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C09K 19/00, C09D 5/36, C09B 67/00, C08G 63/193, 63/197, 63/672, 63/685**

(54) • CHOLESTERIC OLIGOMERS WITH CROSS–LINKED END GROUPS
• OLIGOMERES CHOLESTERIQUES A GROUPES TERMINAUX RETICULABLES

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D–67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHUHMACHER, Peter** [DE/DE]; Waldparkdamm 6, D–68163 Mannheim (DE). **KRICHELDORF, Hans, R.** [DE/DE]; Menzelstrasse 10, D–22607 Hamburg (DE). **KRAWINKEL, Thorsten** [DE/DE]; Platenstrasse 4, D–22609 Hamburg (DE).

(74) **KINZEBACH, Werner** et al. / etc.; Reitstötter, Kinzebach & Partner, Sternwartstrasse 4, D–81679 München (DE).

(81) DE GB 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)*

---

(11) **WO 99/24530** (13) A1

(21) PCT/JP98/05003

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/306954 (32) **10 Nov/nov 1997** (33) JP **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C10G 1/10, B09B 3/00, C08J 11/12, B29B 17/00**

(54) • APPARATUS FOR DECOMPOSING WASTE PLASTICS
• APPAREIL DE DECOMPOSITION DE MATIERES PLASTIQUES DE REBUT RESIDUELLES

(71, 72) **KUROKI, Takeshi** [JP/JP]; 2–12–7, Aoshima, Miyazaki–shi, Miyazaki 889–2162 (JP).

(74) **TAKATSUKI, Takeshi**; T. Takatsuki & Associates, DAI 2 Toranomon Denki Building, 1–10, Toranomon 3–chome, Minato–ku, Tokyo 105–0001 (JP).

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

---

(11) **WO 99/24531** (13) A1

(21) PCT/CA98/01051

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,287 (32) **12 Nov/nov 1997** (33) US **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C10L 3/10, C01B 17/05, B01D 53/14**

(54) • HYDROGEN SULFIDE REMOVAL PROCESS
• PROCEDE D'ELIMINATION DE SULFURE D'HYDROGENE

(71) **APOLLO ENVIRONMENTAL SYSTEMS CORP.** [CA/CA]; Suite 150, 270 Yorkland Boulevard, North, York, Ontario M2J 5C9 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SMITH, James, W.** [CA/CA]; 33 Airdrie Road, Toronto, Ontario M5G 1L8 (CA). **MEFFE, Silvano** [CA/CA]; Apartment 2311, 85 Emmett Avenue, Toronto, Ontario M6M 5A2 (CA). **WALTON, Peter, S.** [CA/CA]; Suite 309, 2000 Islington Avenue, Etobicoke, Ontario M9P 3S7 (CA). **ELLENOR, David, T., R.** [CA/CA]; 2512 Linwood Street, Pickering, Ontario L1X 2P6 (CA).

(74) **STEWART, Michael, I.**; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R7 (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 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).

---

(11) **WO 99/24532** (13) A1

(21) PCT/US98/22094

(22) **20 Oct/oct 1998 (20.10.1998)**

(25) en (26) en

(31) 08/968,036 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C10M 161/00**

(54) • WEAR CONTROL WITH DISPERSANTS EMPLOYING POLY ALPHA–OLEFIN POLYMERS
• CONTROLE D'USURE AVEC DES DISPERSANTS UTILISANT DES POLYMERES POLY ALFA–OLEFINES

(71) **EXXON CHEMICAL PATENTS INC.** [US/US]; 1900 East Linden Avenue, Linden, NJ 07036 (US).

(72) **BOFFA, Alexander, B.**; 504 Spruce Hills, Glen Gardner, NJ 08826 (US). **BIDWELL, Thomas, R.**; 41 Clover Lane, Hightstown, NJ 08520 (US).

(74) **GREELEY, Paul, D.**; Ohlandt, Greeley, Ruggiero & Perle, L.L.P., 9th floor, One Landmark Square, Stamford, CT 06901–2682 (US).

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

---

(11) **WO 99/24533** (13) A1

(21) PCT/US98/23540

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,612 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C10M 171/00, 169/04**

(54) • LIQUID CRYSTAL AND SURFACTANT CONTAINING LUBRICANT COMPOSITIONS
• COMPOSITIONS LUBRIFIANTES CONTENANT DES CRISTAUX LIQUIDES ET TENSIO–ACTIFS

(71) **PENNZOIL PRODUCTS COMPANY** [US/US]; 700 Milam Street, Houston, TX 77002 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GUNSEL, Selda** [US/US]; 135 Green Gables Circle, The Woodlands, TX 77382 (US). **LOCKWOOD, Frances, E.** [US/US]; 5326 Paris Pike, Georgetown, KY 40324 (US).

(74) **PRICE, Robert, L.** et al. / etc.; McDermott, Will & Emery, Suite 300, 99 Canal Center Plaza, Alexandria, VA 22314 (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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24534** (13) A1

(21) PCT/US98/22650

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 60/064,464 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 1/02, 1/66, 3/20, B08B 3/04**

(54) • CLEANING METAL SALTS OF INTERMEDIATE LENGTH CARBOXYLIC ACIDS FROM SURFACES
• NETTOYAGE DES SELS METALLIQUES D'ACIDES CARBOXYLIQUES DE LONGUEUR INTERMEDIAIRE DE SURFACES

(71) **HENKEL CORPORATION** [US/US]; Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHURCH, Richard, J.** [US/US]; 2539 Cummings, Berkley, MI 48072 (US). **HACIAS, Kenneth, J.** [US/US]; 8914 Independence Drive, Sterling Heights, MI 48313 (US).

(74) **WISDOM, Norvell, E., Jr.**; 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 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).

---

(11) **WO 99/24535** (13) A1

(21) PCT/EP98/06893

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 560.5 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 1/52, 1/66, 1/94**

(54) • SKIN–FRIENDLY WASHING UP DETERGENTS
• DETERGENTS NON AGRESSIFS POUR LAVER LA VAISSELLE A LA MAIN

(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) **HEES, Udo** [DE/DE]; Saarner Strasse 27, D–47269 Duisburg (DE). **WACHTER, Rolf** [DE/DE]; Clausthal–Zellerfelder–Strasse 48, D–40595 Düsseldorf (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)*

---

(11) **WO 99/24536** (13) A1

(21) PCT/RU97/00423

(22) **26 Dec/déc 1997 (26.12.1997)**

(25) ru (26) ru

(31) 97118637 (32) **10 Nov/nov 1997 (10.11.1997)** (33) RU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 1/66 // (C11D 1/66, 3:08, 3:10, 3:26, 3:37)**

(54) • WATER–SOLUBLE DETERGENT
• DETERGENT SOLUBLE DANS L'EAU

(71, 72) **MINAKOV, Valery Vladimirovich** [RU/RU]; pr. Kosmonavtov, 27–5–49, St.Petersburg, 196211 (RU). **SOKOV, Leonid Chimgarovich** [UA/UA]; ul. Pushkina, 20–33, Simferopol, 333000 (UA).

(72) **NIKITINA, Tatiyana Olegovna**; ul. Molodezhnaya, 16–2, pos. Kuzmolovsky, Vsevolozhsky raion, Leningradskaya obl., 188663 (RU). **ZAGORTSEVA, Tatiyana Ivanovna**; ul. Stroitelei, 7–18, pos. Kuzmolovsky, Vsevolozhsky raion, Leningradskaya obl., 188663 (RU). **MUSAKIN, Alexandr Alexandrovich**; ul. Kozlova, 19–1–51, St.Petersburg, 198260 (RU). **KUPREICHIK, Irina Mikhailovna**; ul. Budapeshtskaya, 23–1–38, St.Petersburg, 192212 (RU).

(74) **MINAKOV, Valery Vladimirovich**; pr. Kosmonavtov, 27–5–49, St.Petersburg, 196211 (RU).

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

---

(11) **WO 99/24537** (13) A2

(21) PCT/US98/23767

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/064,973 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 3/00**

(54) • O–SUBSTITUTED N,N–DIACYLHYDROXYLAMINE BLEACH ACTIVATORS AND COMPOSITIONS EMPLOYING THE SAME
• ACTIVATEURS DE BLANCHIMENT N,N–DIACYLHYDROXYLAMINE O–SUBSTITUEE ET COMPOSITIONS LES UTILISANT

(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) **MIRACLE, Gregory, Scot** [US/US]; 3065 Old Oxford Road, Fairfield, OH 45014 (US). **DYKSTRA, Robert, Richard** [US/US]; 32–A Clubhouse Lane, Fairfield, OH 45014 (US).

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

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

---

(11) **WO 99/24538** (13) A1

(21) PCT/US98/23230

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/967,079 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/013,384 (32) **26 Jan/jan 1998 (26.01.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 3/22, C07H 13/04, 15/08**

(54) • ALKYL POLYGLYCOSIDE ETHER CARBOXYLATES
• ETHER CARBOXYLATES D'ALKYL POLYGLYCOSIDE

(71) **HENKEL CORPORATION** [US/US]; Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US). **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D–40191 Dusseldorf (DE).

(72) **MILSTEIN, Norman**; 9715 Zig Zag Road, Montgomery, OH 45242 (US). **SALKA, Barry, A.**; 3902 Knott Terrace, Fair Lawn, NJ 07410 (US). **WADLE, Armin**; 8, rue du Moulin à Vent, F–91590 Cerny (FR).

(74) **TRZASKA, Steven, J.**; 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 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).

---

(11) **WO 99/24539** (13) A1

(21) PCT/US98/23657

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/065,006 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 3/30, 3/20, 3/386, 3/18, 11/00**

(54) • METHOD FOR SOFTENING SOIL ON HARD SURFACES
• PROCEDE POUR RAMOLLIR DES SALISSURES SUR DES SURFACES DURES

(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) **KASTURI, Chandrika** [US/US]; 10044 Cliffwood Court, Cincinnati, OH 45241 (US). **MCKENZIE, Kristen, Lynne** [US/US]; 5365 Harvestdale Drive, Mason, OH 45040 (US). **SCHEPER, William, Michael** [US/US]; 2393 Picnic Woods Drive, Lawrenceburg, IN 47025 (US). **FOLEY, Peter, Robert** [GB/US]; Apartment 906, One Lytle Place, 621 Mehring Way, Cincinnati, OH 45202 (US).

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

(81) 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)*

---

(11) **WO 99/24540** (13) A1

(21) PCT/US98/23772

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 97870181.1 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 3/39, 3/20, 3/50**

(54) • LAUNDRY BLEACHING COMPOSITIONS
• COMPOSITIONS DE BLANCHIMENT DU LINGE

(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) **DEL DUCA, Valerio** [IT/IT]; Corso S. Agata, 61/N, I–80064 Massalubrense (IT). **GIUNTI, Stefano** [IT/IT]; Via Flaminia, 19, I–61033 Fermignano (IT). **SCARAMELLA, Roberto** [IT/IT]; Piazza San Cosimato, 63, I–00153 Rome (IT).

(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 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24541** (13) A1

(21) PCT/US98/23728

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,509 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 3/48, 3/32, 3/37, 7/08, 7/10, 7/16, A61L 2/00**

(54) • CLEANING AND DISINFECTING CONTACT LENSES WITH A BIGUANIDE AND A PHOSPHATE–BORATE BUFFER
• NETTOYAGE ET DESINFECTION DES LENTILLES DE CONTACT AVEC UN BIGUANIDE ET UN TAMPON DE PHOSPHATE–BORATE

(71) **BAUSCH & LOMB INCORPORATED** [US/US]; One Bausch & Lomb Place, Rochester, NY 14604–2701 (US).

(72) **XIA, Erning**; 93 Chippenham Drive, Penfield, NY 14526 (US). **ROGALSKYJ, Jill, Short**; 96 Main Street, Livonia, NY 14487 (US). **SIMPSON, Lisa, C.**; 73 Raton Avenue, Rochester, NY 14626 (US).

(74) **KONKOL, Chris, P.** et al. / etc.; Bausch & Lomb Incorporated, One Bausch & Lomb Place, Rochester, NY 14604–2701 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE ES FI GB GE HR HU ID IL IS JP KE KG KP KR LC LK LR LT LV MD MG MK MN MW MX NO NZ PL PT RO RU SE SG SI SK SL TJ TR TT UA UZ VN YU; AP (GH GM KE LS MW SD 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).

---

(11) **WO 99/24542** (13) A1

(21) PCT/US98/23818

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,501 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 3/48, 3/32, 3/37, A61L 2/00 // C11D 1/722**

(54) • DISINFECTING CONTACT LENSES WITH BIS(BIGUANIDES) AND POLYMERIC BIGUANIDES
• DESINFECTION DE LENTILLES DE CONTACT AU MOYEN DE BIS(BIGUANIDES) ET DE BIGUANIDES POLYMERES

(71) **BAUSCH & LOMB INCORPORATED** [US/US]; One Bausch & Lomb Place, Rochester, NY 14604–2701 (US).

(72) **HEILER, David, J.**; 173 Wadsworth Avenue, Avon, NY 14414 (US). **XIA, Erning**; 93 Chippenham Drive, Penfield, NY 14526 (US). **SIMPSON, Lisa, C.**; 73 Raton Avenue, Rochester, NY 14626 (US). **MARSH, David, A.**; Apartment 2065, 5505 Cross Creek Lane, Fort Worth, TX 76109 (US).

(74) **KONKOL, Chris, P.** et al. / etc.; Bausch & Lomb Incorporated, One Bausch & Lomb Place, Rochester, NY 14604–2701 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE ES FI GB GE HR HU ID IL IS JP KE KG KP KR LC LK LR LT LV MD MG MK MN MW MX NO NZ PL PT RO RU SE SG SI SK SL TJ TR TT UA UZ VN YU; AP (GH GM KE LS MW SD 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).

---

(11) **WO 99/24543** (13) A1

(21) PCT/US98/24081

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,510 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 3/48, 3/37, A61L 2/00 // C11D 1/722**

(54) • DISINFECTING CONTACT LENSES WITH POLYQUATERNIUMS AND POLYMERIC BIGUANIDES
• DESINFECTION DES LENTILLES DE CONTACT AVEC DES POLYQUATERNIUMS ET DES BIGUANIDES POLYMERES

(71) **BAUSCH & LOMB INCORPORATED** [US/US]; One Bausch & Lomb Place, Rochester, NY 14604–2701 (US).

(72) **McCANNA, David, J.**; Apartment 20, 211 Greystone Lane, Rochester, NY 14618 (US). **MAIER, Stephen, E.**; 47 Frazier Street, Brockport, NY 14420 (US). **HEILER, David, J.**; 173 Wadsworth Avenue, Avon, NY 14414 (US). **SPOONER, Susan, P.**; 22 Saybrooke Drive, Penfield, NY 14526 (US). **XIA, Erning**; 93 Chippenham Drive, Penfield, NY 14526 (US).

(74) **KONKOL, Chris, P.** et al. / etc.; Bausch & Lomb Incorporated, One Bausch & Lomb Place, Rochester, NY 14604–2701 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE ES FI GB GE HR HU ID IL IS JP KE KG KP KR LC LK LR LT LV MD MG MK MN MW MX NO NZ PL PT RO RU SE SG SI SK SL TJ TR TT UA UZ VN YU; AP (GH GM KE LS MW SD 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24544** (13) A1

(21) PCT/ES97/00266

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) es (26) es

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 7/16, 11/00, 3/10, 7/12, 7/10**

(54) • HOMOGENOUS GRANULES COMPRISED OF SODIUM TRIPOLYPHOSPHATE, SODIUM SULPHATE AND SODIUM CARBONATE, PROCESS FOR ITS PREPARATION AND APPLICATIONS TO DETERGENTS AND WASHING AGENTS
• GRANULES HOMOGENES COMPOSES DE TRIPOLYPHOSPHATE DE SODIUM, DE SULFATE DE SODIUM ET DE CARBONATE DE SODIUM, PROCEDE POUR LEUR FABRICATION ET LEUR APPLICATION COMME DETERGENTS ET PRODUITS DE LAVAGE

(71) **FMC FORET, S.A.** [ES/ES]; Corcega, 293, E–08008 Barcelona (ES).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FERNANDEZ FONSECA, Miguel Angel** [ES/ES]; Fernando el Católico, 15 – 1ºI, E–21003 Huelva (ES). **FORNER BENITO, Juan Antonio** [ES/ES]; Pujadas, 19–4º–1ª, E–08018 Barcelona (ES). **LEIVAR GARCIA, Juan Manuel** [ES/ES]; Calle de la Mina, 97, E–08190 Sant Cugat del Valles (ES).

(74) **ESTEBAN PEREZ–SERRANO, Mª Isabel**; Explanada, 8, E–28040 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 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 US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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 : *(b)*

---

(11) **WO 99/24545** (13) A2

(21) PCT/EP98/06891

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 749.7 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 17/00**

(54) • METHOD FOR PRODUCING STABLE, RAPIDLY DECOMPOSING SHAPED BODIES OF DETERGENT
• PROCEDE POUR LA PRODUCTION DE CORPS MOULES DETERGENTS STABLES ET SE DECOMPOSANT RAPIDEMENT

(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) **BLASEY, Gerhard** [DE/DE]; Fürstenberger Strasse 21, D–40599 Düsseldorf (DE). **BLOCK, Christian** [DE/DE]; Wartburgplatz 12, D–50733 Köln (DE). **BÖCKER, Monika** [DE/DE]; Im Rottfeld 14, D–42799 Leichlingen (DE). **HARDACKER, Ingo** [DE/DE]; Baumschulenweg 4, D–46499 Hamminkeln (DE). **JEBENS, Heinke** [DE/DE]; Itterstrasse 35, D–40589 Düsseldorf (DE). **KRUSE, Hans–Friedrich** [DE/DE]; Am Hallenbad 44, D–41352 Korschenbroich (DE). **LIETZMANN, Andreas** [DE/DE]; Kuthsweg 31, D–40231 Düsseldorf (DE). **MACHIN, Antoni** [ES/ES]; Avenida Diagonal, 279 3º1ª, E–08013 Barcelona (ES). **SCHAMBIL, Fred** [DE/DE]; Niederstrasse 96, D–40789 Monheim (DE). **WITT–NÜSSLEIN, Sandra** [DE/DE]; Ludwig–Wolker–Strasse 25, D–40764 Langenfeld (DE).

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

---

(11) **WO 99/24546** (13) A1

(21) PCT/EP98/06989

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) en (26) en

(31) 08/964,617 (32) **5 Nov/nov 1997 (05.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 17/00, 3/37, 17/06, 3/18, 3/12, 3/22, 11/00, 10/04, 1/94 // 1:04, 1:12, 1:90**

(54) • BAR COMPOSITION COMPRISING ENTRAPPED EMOLLIENT DROPLETS DISPERSED THEREIN
• COMPOSITION POUR PAIN RENFERMANT DES GOUTTELETTES D'EMOLLIENT EN DISPERSION

(71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB).
(only for / seulement pour AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG 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 AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZW)

(72) **FARRELL, Terence, James**; Unilever Research U.S. Inc., 45 River Road, Edgewater, NJ 07020 (US). **SHAFER, Georgia, Lynn**; Unilever Research U.S. Inc., 45 River Road, Edgewater, NJ 07020 (US). **DALTON, James, Joseph**; 7009 E. Acoma Drive #2041, Scottsdale, AZ 85254 (US). **HE, Mengtao**; Unilever Research U.S. Inc., 45 River Road, Edgewater, NJ 07020 (US). **MCFANN, Gregory, Jay**; Unilever Research U.S. Inc., 45 River Road, Edgewater, NJ 07020 (US).

(74) **MOLE, Peter, Geoffrey**; Unilever plc, Patent Division, Colworth House, Sharnbrook, Bedford MK44 1LQ (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24547** (13) A1

(21) PCT/US98/23554

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/065,035 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 9725461.9 (32) **2 Dec/déc 1997 (02.12.1997)** (33) GB

(31) 98105906.6 (32) **1 Apr/avr 1998 (01.04.1998)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 17/00, 3/00, 3/36, 3/20, 3/10**

(54) • DETERGENT COMPOSITIONS
• COMPOSITION DE DETERGENT

(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) **ADDISON, Michael, Crombie** [GB/GB]; 47 Clousden Grange, Forest Hall, Newcastle upon Tyne NE12 0YY (GB).

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

(81) BR 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)*

---

(11) **WO 99/24548** (13) A1

(21) PCT/US98/23613

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/065,035 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 60/066,571 (32) **26 Nov/nov 1997 (26.11.1997)** (33) US

(31) 60/072,575 (32) **26 Jan/jan 1998 (26.01.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 17/00**

(54) • DETERGENT TABLET
• DETERGENT EN PASTILLE

(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) **PAINTER, Jeffrey, Donald** [US/US]; 11652 Enyart Road, Loveland, OH 45140 (US). **SPEED, Lynda, Anne** [GB/GB]; 21 Mayfield Road, Gosforth, Newcastle upon Tyne NE3 4HE (GB). **SONG, Xiaoqing** [CN/US]; 6594 Tylers Crossing, West Chester, OH 45069 (US). **FOLEY, Peter, Robert** [GB/US]; Apartment 906, One Lytle Place,

621 Mehring Way, Cincinnati, OH 45202 (US). **METZGER–GROOM, Sabine, Ursula** [GB/GB]; 16 The Kylins–Morpeth, Northumberland NE61 2DJ (GB).

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

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

---

(11) **WO 99/24549** (13) A1

(21) PCT/US98/23614

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/065,035 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 17/00**

(54) • MULTI–LAYER DETERGENT TABLET HAVING BOTH COMPRESSED AND NON–COMPRESSED PORTIONS
• PASTILLE DE DETERGENT FAITE D'UNE PARTIE COMPRIMEE ET D'UNE PARTIE NON COMPRIMEE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnatti, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAINTER, Jeffrey, Donald** [US/US]; 11652 Enyart Road, Loveland, OH 45140 (US). **SPEED, Lynda, Anne** [GB/GB]; 21 Mayfield Road, Gosforth, Newcastle upon Tyne NE3 4HE (GB). **SONG, Xiaoqing** [CN/US]; 6594 Tylers Crossing, West Chester, OH 45069 (US). **FOLEY, Peter, Robert** [GB/US]; Apartment 906, One Lytle Place, 621 Mehring Way, Cincinnati, OH 45202 (US). **METZGER–GROOM, Sabine, Ursula** [GB/GB]; 16 The Kylins–Morpeth, Northumberland NE61 2DJ (GB).

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

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

---

(11) **WO 99/24550** (13) A1

(21) PCT/US98/23616

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/065,035 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 60/072,479 (32) **26 Jan/jan 1998 (26.01.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 17/00, 11/00**

(54) • PROCESS FOR PREPARING A DETERGENT TABLET
• ELABORATION D'UNE PASTILLE DE DETERGENT

(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) **PAINTER, Jeffrey, Donald** [US/US]; 11652 Enyart Road, Loveland, OH 45140 (US). **THIEN, Joseph, Herbert** [US/US]; 5998 Mackview Street, Fairfield, OH 45014 (US). **BINDER, Christopher, James** [GB/GB]; 116 St. Georges Terrace, Jesmond, Newcastle upon Tyne NE2 2DP (GB). **SMITH, David, John** [GB/GB]; Falls Farm, Hett, Durham DH6 5LN (GB).

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

(81) BR 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)*

---

(11) **WO 99/24551** (13) A1

(21) PCT/US98/23923

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,812 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C11D 17/04, 1/34, 1/37, 1/65 // 1:34, 1:52**

(54) • WET WIPES CONTAINING A MONO ALKYL PHOSPHATE
• SERVIETTE HUMIDE CONTENANT UN MONOPHOSPHATE D'ALKYLE

(71) **KIMBERLY–CLARK WORLDWIDE, INC.** [US/US]; 401 North Lake Street, Neenah, WI 54956 (US).

(72) **COLE, Douglas, Bryan**; 6 Oneida Court, Appleton, WI 54911 (US). **STAHL, Katherine, Denise**; Apartment 11, 410 First Street, Neenah, WI 54956 (US).

(74) **PAULS, Brian, C.** et al. / etc.; Kimberly–Clark Worldwide, Inc., 401 North Lake Street, Neenah, WI 54956 (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).

---

(11) **WO 99/24552** (13) A1

(21) PCT/US98/21274

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 97/13943 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12M 1/20**

(54) • HIGH CAPACITY ASSAY PLATE
• PLAQUE DE DOSAGE A GRANDE CAPACITE

(71) **CORNING INCORPORATED** [US/US]; 1 Riverfront Plaza, Corning, NY 14831 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DANNOUX, Thierry, L., A.** [FR/FR]; 18, Le Petit Bel Ebat, F–77210 Avon (FR).

(74) **BEALL, Thomas, R.**; Corning Incorporated, Patent Dept., SP FR 02–12, Corning, NY 14831 (US).

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

---

(11) **WO 99/24553** (13) A2

(21) PCT/US98/23905

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,987 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/967,403 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/966,932 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/967,148 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/976,741 (32) **24 Nov/nov 1997 (24.11.1997)** (33) US

(31) 09/100,763 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,631 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,529 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,762 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(31) 09/100,521 (32) **18 Jun/juin 1998 (18.06.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N**

(54) • CRYSTAL COMPRISING HUMAN IMMUNODEFICIENCY VIRUS ENVELOPE GLYCOPROTEIN gp120, COMPOUNDS INHIBITING CD4–gp120 INTERACTION, COMPOUNDS INHIBITING CHEMOKINE RECEPTOR–gp120 INTERACTION, MIMICS OF CD4 AND gp120 VARIANTS
• CRISTAL COMPRENANT UNE GLYCOPROTEINE GP120 D'ENVELOPPE DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE, COMPOSES INHIBANT L'INTERACTION CD4–GP120, COMPOSES INHIBANT L'INTERACTION DU RECEPTEUR DE CHEMOKINE ET GP120, SIMULATIONS DE CD4 ET VARIANTES DE GP120

(63) US 09/100,631 (CIP) 18 Jun/juin 1998 (18.06.1998)
US 09/100,763 (CIP) 18 Jun/juin 1998 (18.06.1998)
US 09/100,529 (CIP) 18 Jun/juin 1998 (18.06.1998)
US 09/100,762 (CIP) 18 Jun/juin 1998 (18.06.1998)
US 09/100,521 (CIP) 18 Jun/juin 1998 (18.06.1998)

(71) **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street and Broadway, New York, NY 10027 (US). **DANA–FARBER CANCER INSTITUTE** [US/US]; 44 Binney Street, Boston, MA 02115 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KWONG, Peter, D.** [US/US]; Apartment 403, 352 West 15th Street, New York, NY 10011 (US). **HENDRICKSON, Wayne, A.** [US/US]; 161 Mt. Hope Boulevard, Hastings–on–Hudson, NY 10706 (US). **SODROSKI, Joseph, G.** [US/US]; 10 Ashland Place, Medford, MA 02155 (US). **WYATT, Richard, T.** [US/US]; 11 Delphi Circle, Andover, MA 01810 (US).

(74) **WHITE, John P.**; Cooper & Dunham LLP, 1185 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24554** (13) A2

(21) PCT/US98/24146

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,503 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 60/066,906 (32) **14 Nov/nov 1997 (14.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N**

(54) • ISOLATION, CHARACTERIZATION, AND IDENTIFICATION OF DENDRITIC LIKE CELLS AND METHODS OF USING SAME
• ISOLEMENT, CARACTERISATION ET IDENTIFICATION DE CELLULES DE TYPE DENDRITIQUE ET LEURS PROCEDES D'UTILISATION

(71) **UNIVERSITY OF PITTSBURGH** [US/US]; 911 William Pitt Union, Pittsburgh, PA 15230 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BALL, Edward, D.** [US/US]; 9977 Parkland Drive, Wexford, PA 15090 (US). **ZHONG, Rui–Kun** [CN/US]; Apartment 10, 5835 Ablerson Street, Pittsburgh, PA 15217 (US).

(74) **MILLER, Raymond, A.**; Reed Smith Shaw & McClay LLP, P.O. Box 488, Pittsburgh, PA 15230 (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).

---

(11) **WO 99/24555** (13) A2

(21) PCT/US98/23819

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,280 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 08/980,441 (32) **28 Nov/nov 1997 (28.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 1/14**

(54) • FUNGAL CELL WALL PRODUCTION AND UTILIZATION AS A RAW RESOURCE FOR TEXTILES
• PRODUCTION DE PAROIS CELLULAIRES FONGIQUES ET UTILISATION DE CELLES–CI EN TANT QUE MATIERE PREMIERE DESTINEE A DES TEXTILES

(63) US 08/980,441 (CIP) 28 Nov/nov 1997 (28.11.1997)
US 60/074,595 (CIP) 10 Nov/nov 1997 (10.11.1997)

(71, 72) **DSCHIDA, William, J., A.** [US/US]; 1807 Columbus Avenue, McKinleyville, CA 95519 (US).

(74) **LUTHER, Barbara, J.**; Barbara J. Luther, P.C., 23930 Jabil Lane, Los Altos Hills, CA 94024 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24556** (13) A1

(21) PCT/DK98/00485

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 1288/97 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 5/00**

(54) • NOVEL CULTURE MEDIUM WHICH COMPRISES FETAL PORCINE SERUM (FPS)
• NOUVEAU MILIEU DE CULTURE COMPRENANT DU SERUM FOETAL PORCIN

(71) **VTS HOLDINGS LLC** [US/US]; Corporation Trust Center, 1209 Orange Street, Wilmington, DE 19890 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OSTHER, Kurt** [DK/DK]; Klitrosestien 3, DK–3210 Vejby (DK). **VIBE–HANSEN, Henrik** [DK/DK]; Grøndalsvænge 3, DK–4581 Rørvig (DK).

(74) **PLOUGMANN, VINGTOFT & PARTNERS A/S**; Sankt Annæ Plads 11, P.O. Box 3007, DK–1021 Copenhagen K (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 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 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).

---

(11) **WO 99/24557** (13) A1

(21) PCT/US98/23884

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,173 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 5/06, 5/08, A61L 27/00**

(54) • HUMAN BONE ACCESSORY CELLS
• CELLULES OSSEUSES ACCESSOIRES HUMAINES

(63) US 60/065,173 (CIP) 10 Nov/nov 1997 (10.11.1997)

(71) **THE REGENTS OF THE UNIVERSITY OF MICHIGAN** [US/US]; 3003 South State Street, Ann Arbor, MI 48109–1280 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LONG, Michael, W.** [US/US]; 570 High Street, Northville, MI 48167 (US).

(74) **HIGHLANDER, Steven, L.**; 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24558** (13) A2

(21) PCT/EP98/07011

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 97203370.8 (32) **30 Oct/oct 1997 (30.10.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/00**

(54) • NOVEL HIGH–FERMENTING MICROORGANISMS
• MICRO–ORGANISMES POUR FERMENTATION HAUTE

(71) **MOGEN INTERNATIONAL N.V.** [NL/NL]; Einsteinweg 97, NL–2333 CB Leiden (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GODDIJN, Oscar, Johannes, Maria** [NL/NL]; Oude Herengracht 5, NL–2312 LN Leiden (NL). **PEN, Jan** [NL/NL]; Heivlinder 19, NL–2317 JS Leiden (NL).

(74) **VAN WEZENBEEK, L., A., C., M.**; Mogen International N.V., P.O. Box 628, NL–2300 AP Leiden (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(m)*

---

(11) **WO 99/24559** (13) A2

(21) PCT/GB98/03385

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723825.7 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/00**

(54) • NUCLEAR TARGETING BY MEANS OF BACTERIAL PROTEINS

- CIBLAGE NUCLEAIRE AU MOYEN DE PROTEINES BACTERIENNES

(71) **ACTINOVA LIMITED** [GB/GB]; 5 Signet Court, Swanns Road, Cambridge CB5 8LA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BJORCK, Lars, Henrik** [SE/SE]; Magle Stora Kyrkogata 10, S–223 50 Lund (SE). **FRICK, Inga–Maria** [SE/SE]; Marsvagen 3, S–245 33 Staffanstorp (SE). **LEANDERSSON, Tomas, Borje** [SE/SE]; Rosenvagen 11, S–245 44 Staffanstorp (SE). **AXCRONA, Eugen, Jan, Karol** [SE/SE]; Reallinjen 2, S–223 74 Lund (SE).

(74) **WOODS, Geoffrey, Corlett**; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5LX (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24560** (13) A1

(21) PCT/US98/23828

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,868 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/00, 15/11, 15/85, C07H 21/04, A61K 48/00**

(54) • COMPOSITIONS AND METHODS FOR INHIBITING THE ACTIVITY OF CERTAIN GENES
• COMPOSITIONS ET PROCEDES D'INHIBITION DE L'ACTIVITE DE CERTAINS GENES

(63) US 08/965,868 (CON) 7 Nov/nov 1997 (07.11.1997)

(71, 72) **SHEIKHNEJAD, Gholamreza** [IR/US]; 2224 Independence Boulevard, Ann Arbor, MI 48104 (US).

(74) **SMITH, DeAnn, F.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (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).

---

(11) **WO 99/24561** (13) A2

(21) PCT/US98/24138

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/969,046 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/00**

(54) • GENETIC ENGINEERING OF LIGNIN BIOSYNTHESIS IN PLANTS
• GENIE GENETIQUE APPLIQUE A LA BIOSYNTHESE DE LIGNINE DANS DES PLANTES

(63) US 08/969,046 (CIP) 12 Nov/nov 1997 (12.11.1997)

(71) **BOARD OF CONTROL OF MICHIGAN TECHNOLOGICAL UNIVERSITY** [US/US]; 1400 Townsend Drive, Houghton, MI 49931 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHIANG, Vincent, Lee, C.** [US/US]; 1104 Birch Street, Hancock, MI 49930 (US). **TSAI, Chung–Jui** [–/US]; 1510 Anthony Street #34, Hancock, MI 49930 (US). **HU, Wen–Jing** [–/US]; 8299 Cambridge Drive #1003, Houston, TX 77054 (US).

(74) **VIKSNINS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24562** (13) A1

(21) PCT/US98/23278

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 08/968,627 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/01, 15/10, 15/55, 9/86**

(54) • METHOD OF INCREASING EFFICIENCY OF DIRECTED EVOLUTION OF A GENE USING PHAGEMID
• PROCEDE AMELIORANT L'EFFICACITE DE L'EVOLUTION DIRIGEE D'UN GENE PAR L'UTILISATION DE PHAGEMIDES

(71) **GENENCOR INTERNATIONAL, INC.** [US/US]; 4 Cambridge Place, 1870 South Winton Road, Rochester, NY 14618 (US).

(72) **SCHELLENBERGER, Volker**; 914 Moreno Avenue, Palo Alto, CA 94303 (US).

(74) **STONE, Christopher, L.**; Genencor International, Inc., 925 Page Mill Road, Palo Alto, CA 94304–1013 (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 : *(c)*

---

(11) **WO 99/24563** (13) A1

(21) PCT/US98/23779

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,897 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/10, C12Q 1/68, 1/02**

(54) • SURROGATE GENETICS TARGET CHARACTERIZATION METHOD
• PROCEDE DE CARACTERISATION DE CIBLES GENETIQUES DE REMPLACEMENT

(71) **ICONIX PHARMACEUTICALS, INC.** [US/US]; 850 Maude Avenue, Montain View, CA 94043 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOSTIAN, Keith** [US/US]; 1823 Edgewood Lane, Menlo Park, CA 94025 (US). **NATSOULIS, Georges** [BE/US]; 479 Valley Street, San Francisco, CA 94131 (US).

(74) **CHAMBERS, Daniel, M.** et al. / etc.; Lyon & Lyon LLP, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071–2066 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24564** (13) A1

(21) PCT/US98/23231

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/064,091 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/11, 1/21, 15/85, 15/63, 7/00, A61K 35/00**

(54) • PRODUCTION OF NOVEL BOVINE RESPIRATORY SYNCYTIAL VIRUSES FROM cDNAs
• PRODUCTION DE NOUVEAUX VIRUS RESPIRATOIRES SYNCYTIAUX BOVINS A PARTIR DE L'ADNc

(71) **UNIVERSITY OF MARYLAND** [US/US]; Office of Technology Liaison, 4312 Knox Road, College Park, MD 20742 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SAMAL, Siba, K.** [IN/US]; 3508 Marlborough Way, College Park, MD 20740 (US).

(74) **GOLDHUSH, Douglas, H.** et al. / etc.; Nikaido, Marmelstein, Murray & Oram LLP, Suite 330, G Street Lobby, 655 Fifteenth Street, N.W., Washington, DC 20005–5701 (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).

Published / Publiée : *(c)*

(11) **WO 99/24565** (13) A1

(21) PCT/CA98/01038

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,764 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/12, A61K 38/17, C07K 14/705, 16/28, A61K 39/395, 48/00**

(54) • METHODS AND COMPOSITIONS FOR IMMUNOMODULATION
• PROCEDES ET COMPOSITIONS POUR IMMUNOMODULATION

(71, 72) **GORCZYNSKI, Reginald, M.** [GB/CA]; 429 Drewry Avenue, Willowdale, Ontario M2R 2K6 (CA).

(74) **BERESKIN & PARR**; 40th floor, 40 King Street West, Toronto, Ontario M5H 3Y2 (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 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).

---

(11) **WO 99/24566** (13) A1

(21) PCT/EP98/06921

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 97119404.8 (32) **6 Nov/nov 1997 (06.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/12, 15/10, C07K 14/705, C12Q 1/68, A61K 31/70, 38/17**

(54) • TUMOR–SPECIFIC ANTIGENS, METHODS FOR THEIR PRODUCTION AND THEIR USE FOR IMMUNIZATION AND DIAGNOSIS
• ANTIGENES SPECIFIQUES A UNE TUMEUR, PROCEDE DE PRODUCTION ET UTILISATION DE CES ANTIGENES POUR ASSURER UNE IMMUNISATION ET DIAGNOSTIC

(71) **ROCHE DIAGNOSTICS GMBH** [DE/DE]; 116 Sandhofer Strasse, D–68305 Mannheim (DE).

(72) **ANICHINI, Andrea**; Via Cinquantenario, 17, I–24044 Dalmine (IT). **PARMIANI, Giorgio**; Piazza del Lavoro, 50, I–20099 Sesto S. Giovanni (IT). **SENSI, Marialuisa**; Piazza Donegani, 6, I–20133 Milano (IT). **TRAVERSARI, Catia**; Felice Cavallotti, 229, I–20099 Sesto S. Giovanni (IT).

(74) **NOTEGEN, Eric**; 124 Grenzacherstrasse, CH–4070 Basle (CH) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24567** (13) A1

(21) PCT/GB98/03397

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723945.3 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/12, 15/86, 15/62, 5/10, C07K 14/435, A61K 38/17, 39/00, A01K 67/027**

(54) • TISSUE CEMENT PROTEINS FROM RHIPICEPHALUS APPENDICULATUS
• PROTEINES DE CEMENT TIREES DE RHIPICEPHALUS APPENDICULATUS

(71) **NATIONAL ENVIRONMENTAL RESEARCH COUNCIL** [GB/GB]; Polaris House, North Star Avenue, Swindon SN2 1EU (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PAESEN, Guido, Christian** [BE/GB]; 12 Mansfield Road, Oxford OX1 3TA (GB). **NUTTALL Patricia, Ann** [GB/GB]; 1 Manor Farm, Cullham, Oxon OX14 4NP (GB).

(74) **MERCER, Christopher, Paul**; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24568** (13) A1

(21) PCT/JP98/05010

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/322376 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/12, 15/63, 1/19, 1/21, 5/10, C12P 21/02, C12Q 1/02, C07K 14/72, 16/28**

(54) • STEROID HORMONE BINDING PROTEIN
• PROTEINE DE LIAISON DE L'HORMONE STEROIDE

(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) AL AM AT AU AZ 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 KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24569** (13) A1

(21) PCT/JP98/05047

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/307749 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/12, C07K 14/705, 16/28, C12N 5/10**

(54) • HUMAN LYSOPHOSPHATIDIC ACID RECEPTOR AND USE THEREOF
• RECEPTEUR D'ACIDE LYSOPHOSPHATIDIQUE HUMAIN ET UTILISATION DUDIT RECEPTEUR

(71) **ONO PHARMACEUTICAL CO., LTD.** [JP/JP]; 1–5, Doshomachi 2–chome, Chuo–ku, Osaka–shi, Osaka 541–8526 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FUKUSHIMA, Daikichi** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1–1, Sakurai 3–chome, Shimamoto–cho, Mishima–gun, Osaka 618–8585 (JP). **NAKADE, Shinji** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1–1, Sakurai 3–chome, Shimamoto–cho, Mishima–gun, Osaka 618–8585 (JP). **HAGA, Hisanori** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1–1, Sakurai 3–chome, Shimamoto–cho, Mishima–gun, Osaka 618–8585 (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) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24570** (13) A1

(21) PCT/US98/22934

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/965,272 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/12, 15/62, 15/10, 5/10, C07K 14/47, 16/18, C12Q 1/68, G01N 33/50, 33/577, A01K 67/027**

(54) • CIITA–INTERACTING PROTEINS AND METHODS OF USE THEREFOR
• PROTEINES AYANT UNE INTERACTION AVEC CIITA ET PROCEDES D'UTILISATION DESDITES PROTEINES

(71) **PRESIDENT AND FELLOWS OF HARVARD COLLEGE** [US/US]; 124 Mt. Auburn Street, Cambridge, MA 02138 (US).

(72) **GLIMCHER, Laurie, H.**; 51 Hampshire Street, West Newton, MA 02165 (US). **ZHOU, Hong**; Apartment B, 915 Cloister Road, Wilmington, DE 19809 (US).

(74) **DeCONTI, Giulio, A., Jr.** et al. / etc.; Lahive & Cockfield, LLP, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

(11) **WO 99/24571** (13) A2

(21) PCT/US98/23953

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,048 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/189,618 (32) **9 Nov/nov 1998 (09.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/12, C07K 14/47, A61K 38/17, 39/395, G01N 33/53, C12Q 1/68, C12N 15/62, 15/11, C07K 16/18, A01K 67/027, A61K 48/00**

(54) • DIFFERENTIALLY EXPRESSED GENES IN CARDIAC HYPERTROPHY AND THEIR USES IN TREATMENT AND DIAGNOSIS
• GENES A EXPRESSION DIFFERENTIELLE EN CAS D'HYPERTROPHIE CARDIAQUE ET LEUR UTILISATION A DES FINS DE DIAGNOSTIC ET DE TRAITEMENT

(63) US 60/065,048 (CIP) 10 Nov/nov 1997 (10.11.1997)

(71) **CURAGEN CORPORATION** [US/US]; 11th floor, 555 Long Wharf Drive, New Haven, CT 06511 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHIMKETS, Richard, A.** [US/US]; 191 Leete Street, West Haven, CT 06516 (US). **LOWE, David, G.** [US/US]; 35 Via Delizia, Hillsborough, CA 94010 (US).

(74) **ELRIFI, Ivor, R.**; Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P. C., One Financial Center, Boston, MA 02111 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24572** (13) A1

(21) PCT/NL98/00652

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 97203511.7 (32) **11 Nov/nov 1997 (11.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/18, C07K 14/475, 16/18, C12Q 1/68, G01N 33/53, A61K 38/17, A01K 67/027, C12N 5/10**

(54) • GENES WITH RESTRICTED EXPRESSION IN MESENCEPHALIC DOPAMINERGIC NEURONS
• GENES A EXPRESSION REDUITE DANS LES NEURONES MESENCEPHALIQUES DOPAMINERGIQUES

(71) **UNIVERSITEIT UTRECHT** [NL/NL]; Heidelberglaan 8, NL–3584 CS Utrecht (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BURBACH, Johannes, Peter, Henri** [NL/NL]; Koperslagershoek 9, NL–3981 SB Bunnik (NL). **SMIDT, Marten, Piet** [NL/NL]; Volkerakstraat 5A, NL–3522 RA Utrecht (NL).

(74) **OTTEVANGERS, S., U.**; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL–2587 BN 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24573** (13) A2

(21) PCT/US98/23486

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/065,459 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/29, C07K 14/415, C12N 15/63, 5/10, C12Q 1/68**

(54) • SOYBEAN HOMOLOG OF SEED–SPECIFIC TRANSCRIPTION ACTIVATOR FROM *PHASEOLUS VULGARIS*
• HOMOLOGUE DU SOJA CORRESPONDANT A L'ACTIVATEUR TRANSCRIPTIONNEL, SPECIFIQUE DES SEMENCES, DE PHASEOLUS VULGARIS

(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) **ODELL, Joan, T.** [US/US]; P.O. Box 826, Unionville, PA 19375 (US). **HARDER, Patricia, A.** [US/US]; 712 West 34th Street, Wilmington, DE 19802 (US).

(74) **MAJARIAN, William, R.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IS JP KG KP 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; 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).

---

(11) **WO 99/24574** (13) A2

(21) PCT/US98/23487

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,914 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/29, 15/82, 15/63, C07K 14/415, C12N 5/04, A01H 1/00**

(54) • PLANT HOMOLOGS OF YEAST PAD1, YEAST CRM1, AND HUMAN JAB1: REGULATORS OF AP–1 TYPE TRANSCRIPTION FACTOR ACTIVITY
• HOMOLOGUES VEGETAUX DE PAD1 ET DE CRM1 DE LEVURE ET DE JAB1 HUMAINE: REGULATEURS DE L'ACTIVITE DU FACTEUR DE TRANSCRIPTION DE TYPE AP–1

(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) **ALLEN, Stephen, M.** [US/US]; 12 Stanton Avenue, West Chester, PA 19382 (US). **ANDERSON, Shawn, L.** [US/US]; 3 Boor's Cove Lane, West Grove, PA 19390 (US). **HITZ, William, D.** [US/US]; 404 Hillside Road, Wilmington, DE 19807 (US). **KINNEY, Anthony, J.** [GB/US]; 609 Lore Avenue, Wilmington, DE 19809 (US). **MIAO, Guo–Hua** [CN/US]; 202 Cherry Blossom Place, Hockessin, DE 19707 (US). **MORGANTE, Michele** [IT/US]; 2306 Lorelei Lane, Wilmington, DE 19810 (US). **ODELL, Joan, T.** [US/US]; P.O. Box 826, Unionville, PA 19375 (US). **SAKAI, Hajime** [DE/US]; 105 Banbury Drive, Wilmington, DE 19803 (US).

(74) **MAJARIAN, William, R.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IS JP KG KP 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; 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).

---

(11) **WO 99/24575** (13) A1

(21) PCT/US98/24225

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,542 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/29, 15/82, 15/84, 15/82, 5/04, A01H 4/00, 5/00**

(54) • *dull1* CODING FOR A STARCH SYNTHASE AND USES THEREOF
• *dull1* CODANT POUR UNE SYNTHASE D'AMIDON ET SES UTILISATIONS

(71) **IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC.** [US/US]; 310 Lab of Mechanics, Ames, IA 50011–2131 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MYERS, Alan, M.** [US/US]; 815 Crystal Street, Des Moines, IA 50010 (US). **JAMES, Martha, G.** [US/US]; 3708 Southern Hills Drive, Des Moines, IA 50321 (US).

(74) **ADLER, Benjamin, A.**; McGregor & Adler, 8011 Candle Lane, Houston, TX 77071 (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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24576** (13) A1

(21) PCT/CA98/01042

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,130 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/31, C07K 14/24, 16/12, G01N 33/53, A61K 38/16, C12Q 1/68, C12N 15/62**

(54) • HP90: HOST MEMBRANE RECEPTOR FOR PATHOGENIC BACTERIA, ENCODED BY THE BACTERIAL TIR GENE
• HP90: RECEPTEUR HOTE A MEMBRANE POUR BACTERIES PATHOGENES CODEES PAR LE GENE BACTERIEN TIR

(71) **UNIVERSITY OF BRITISH COLUMBIA** [CA/CA]; 2222 Health Sciences Mall, Vancouver, British Columbia V6T 1Z3 (CA).

(72) **FINLAY, B., Brett**; Biotechnology Laboratory, 237–6174 University Boulevard, Vancouver, British Columbia V6T 1Z3 (CA). **KENNY, Brendan**; Biotechnology Laboratory, 237–6174 University Boulevard, Vancouver, British Columbia V6T 1Z3 (CA). **DEVINNEY, Rebekah**; Biotechnology Laboratory, 237–6174 University Boulevard, Vancouver, British Columbia V6T 1Z3 (CA). **STEIN, Marcus**; Biotechnology Laboratory, 237–6174 University Boulevard, Vancouver, British Columbia V6T 1Z3 (CA).

(74) **MBM & CO.**; Station B, P.O. Box 809, 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 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 : *(c)*

---

(11) **WO 99/24577** (13) A1

(21) PCT/DK98/00438

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) PA 1997 01277 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DK

(31) 60/070,488 (32) **5 Jan/jan 1998 (05.01.1998)** (33) US

(31) PCT/DK98/00132 (32) **1 Apr/avr 1998 (01.04.1998)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/31, A61K 39/04, C07K 14/35, C12N 15/62, A61K 38/16, G01N 33/569, C12Q 1/68, C07K 16/12**

(54) • NUCLEIC ACID FRAGMENTS AND POLYPEPTIDE FRAGMENTS DERIVED FROM *M. TUBERCULOSIS*
• FRAGMENTS D'ACIDES NUCLEIQUES ET FRAGMENTS POLYPEPTIDIQUES DERIVES DE M. TUBERCULOSIS

(71) **STATENS SERUM INSTITUT** [DK/DK]; Artillerivej 5, DK–2300 Copenhagen S (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDERSEN, Peter** [DK/DK]; Sparreholmvej 47, DK–2700 Brønshøj (DK). **SKJØT, Rikke** [DK/DK]; Thorvaldsensvej 9, 5. sal, DK–1871 Frederiksberg C (DK).

(74) **PLOUGMANN, VINGTOFT & PARTNERS A/S**; Sankt Annæ Plads 11, P.O. Box 3007, DK–1021 Copenhagen K (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 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24578** (13) A2

(21) PCT/IB98/01665

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9723516.2 (32) **6 Nov/nov 1997 (06.11.1997)** (33) GB

(31) 9724190.5 (32) **14 Nov/nov 1997 (14.11.1997)** (33) GB

(31) 9724386.9 (32) **18 Nov/nov 1997 (18.11.1997)** (33) GB

(31) 9725158.1 (32) **27 Nov/nov 1997 (27.11.1997)** (33) GB

(31) 9726147.3 (32) **10 Dec/déc 1997 (10.12.1997)** (33) GB

(31) 9800759.4 (32) **14 Jan/jan 1998 (14.01.1998)** (33) GB

(31) 9819016.8 (32) **1 Sep/sep 1998 (01.09.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/31, C07K 14/22, 16/12, A61K 39/095 // (C12N 15/31, C12R 1:36)**

(54) • NEISSERIAL ANTIGENS
• ANTIGENES DE NEISSERIA

(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) **MASIGNANI, Vega** [IT/IT]; Via Pantaneto, 105, I–53100 Siena (IT). **RAPPUOLI, Rino** [IT/IT]; Via delle Rocche, 1, Vagliagli, I–53019 Castelnuovo Berardenga (IT). **PIZZA, Mariagrazia** [IT/IT]; Strada di Montalbuccio, 160, I–53100 Siena (IT). **SCARLATO, Vincenzo** [IT/IT]; Via Firenze, 3/37, I–53134 Colle Val d'Elsa (IT). **GRANDI, Guido** [IT/IT]; 9° Strada, 4, I–20090 Segrate (IT).

(74) **HALLYBONE, Huw, George**; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24579** (13) A1

(21) PCT/US98/23624

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,130 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/31, 15/63, 1/21**

(54) • NOVEL ERA
• NOUVEAUX POLYPEPTIDES ERA

(71) **SMITHKLINE BEECHAM CORPORATION** [US/US]; One Franklin Plaza, Philadelphia, PA 19103 (US).

(72) **PALMER, Leslie, Marie**; 2820 Eagleview Road, Audubon, PA 19407 (US). **ROSENBERG, Martin**; 241 Mingo Road, Royersford, PA 19468 (US). **BLACK, Michael, T.**; 502 Milhouse Way, Chester Springs, PA 19425 (US). **HODGSON, John, E.**; 260 Lapp Road, Malvern, PA 19355 (US). **KNOWLES, David, J., C.**; Downsview House, 45 Cronks Hill Road, Redhill, Surrey RH1 6LY (GB). **LONETTO, Michael, A.**; 18 Victoria Circle, Collegeville, PA 19426 (US). **NICHOLAS, Richard, O.**; 355 Carmen Drive, Collegeville, PA 19426 (US). **REID, Robert**; 8 Pacer Lane, East Norriton, PA 19401 (US). **ZARFOS, Phillip**; 1907 Yorktown North, Norristown, PA 19403 (US).

(74) **JACKSON, Arthur, E.**; Dechert Price & Rhoads, 4000 Bell Atlantic Tower, 1717 Arch Street, Philadelphia, PA 19103 (US).

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

---

(11) **WO 99/24580** (13) A2

(21) PCT/US98/23874

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/965,762 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/31, 1/19, 1/21, C12Q 1/68, C07K 14/38, 14/395, 16/14, G01N 33/50, 33/53, A61K 31/70**

(54) • ESSENTIAL FUNGAL GENES AND THEIR USE
• GENES FONGIQUES ESSENTIELS ET LEUR UTILISATION

(71) **MILLENNIUM PHARMACEUTICALS, INC.** [US/US]; 238 Main Street, Cambridge, MA 02139 (US).

(72) **KOLTIN, Yigal**; 199 Parker Street, Newton, MA 02159 (US). **GAVRIAS, Victoria**; 10 Breton Road, Upton, MA 01568 (US).

(74) **FASSE, Peter, J.** et al. / etc.; 225 Franklin 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).

---

(11) **WO 99/24581** (13) A2

(21) PCT/US98/23457

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/065,215 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 60/076,445 (32) **2 Mar/mar 1998 (02.03.1998)** (33) US

(31) 09/178,252 (32) **23 Oct/oct 1998 (23.10.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/32, 15/62, 15/82, 5/10, C07K 14/325**

(54) • PLANT–OPTIMIZED GENES ENCODING PESTICIDAL TOXINS
• GENES A EXPRESSION OPTIMISEE DANS LES VEGETAUX CODANT POUR DES TOXINES PESTICIDES

(71) **MYCOGEN CORPORATION** [US/US]; 5501 Oberlin Drive, San Diego, CA 92121 (US).

(72) **CARDINEAU, Guy, A.**; 17041 Cloudcroft Drive, Poway, CA 92064 (US). **STELMAN, Steven, J.**; 7954 Westbury Avenue, San Diego, CA 92126 (US). **NARVA, Kenneth, E.**; 12123 Caminito Mira Del Mar, San Diego, CA 92130 (US).

(74) **SANDERS, Jay, M.** et al. / etc.; Saliwanchik, Lloyd & Saliwanchik, Suite A–1, 2421 N.W. 41st Street, Gainesville, FL 32606–6669 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24582** (13) A1

(21) PCT/CA98/01046

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,708 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/46, 15/02, 5/12, 15/88, C07K 14/14, 16/10, C12Q 1/68, A61K 9/127**

(54) • NOVEL REOVIRUS–DERIVED PROTEINS, NUCLEIC ACIDS ENCODING SAME, AND USES THEREFOR
• NOUVELLES PROTEINES DERIVEES DE REOVIRUS, ACIDES NUCLEIQUES CODANT POUR CES PROTEINES, ET APPLICATIONS

(71) **DALHOUSIE UNIVERSITY** [CA/CA]; 6299 South Street, Halifax, Nova Scotia B3H 4H6 (CA).

(72) **DUNCAN, Roy**; 33 Fieldwood Circle, Dartmouth, Nova Scotia B2W 4S5 (CA).

(74) **MORROW, Joy, D.** et al. / etc.; Smart & Biggar, 900 – 55 Metcalfe Street, Station D, P.O. Box 2999, 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24583** (13) A1

(21) PCT/CA98/01059

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 2,220,805 (32) **12 Nov/nov 1997 (12.11.1997)** (33) CA

(31) 2,230,991 (32) **11 May/mai 1998 (11.05.1998)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/52, 9/00, A61K 38/43, C07K 16/40, C12N 15/11, A61K 48/00, G01N 33/50**

(54) • DNA DEMETHYLASE, THERAPEUTIC AND DIAGNOSTIC USES THEREOF
• ADN DEMETHYLASE, UTILISATIONS THERAPEUTIQUES ET DIAGNOSTIQUES DE CELLE–CI

(71) **McGILL UNIVERSITY** [CA/CA]; 845 Sherbrooke Street West, Montréal, Québec H3A 2T5 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SZYF, Moshe** [CA/CA]; 7522 Wavell, Côte Saint–Luc, Québec H4W 2L7 (CA). **BHATTACHARYA, Sanjoy** [IN/CA]; Apartment 1403, 2150 Mackay Street, Montréal, Québec H3G 2M2 (CA). **RAMCHANDANI, Shyam** [CA/CA]; 5843 Hillcrest Crescent, Niagara Falls, Ontario L2J 2A8 (CA).

(74) **CÔTÉ, France** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montréal, Québec 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24584** (13) A1

(21) PCT/US98/24224

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/969,437 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/52, 15/86, 15/11, 5/10, 9/10, C12Q 1/68, A61K 31/70**

(54) • METHODS FOR THE DETECTION AND TREATMENT OF DISEASE USING A GLYCOSYLTRANSFERASE
• METHODES DE DETECTION ET DE TRAITEMENT DE MALADIES UTILISANT UNE GLYCOSYLTRANSFERASE

(71) **NEUROTHERAPEUTICS** [US/US]; 2515 N. Clark, Chicago, IL 60614 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MOSKAL, Joseph, R.** [US/US]; 515 West Roscoe, Chicago, IL 60657 (US). **YAMAMOTO, Hirotaka** [US/US]; 1810 George Court, Glenview, IL 60025 (US).

(74) **HALLORAN, Patrick, J.**; McDonnell Boehnen Hulbert & Berghoff, Suite 3200, 300 South Wacker Drive, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24585** (13) A1

(21) PCT/FR98/02374

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/14264 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/53, 15/62, 15/82, 5/10, 9/02, A01H 5/00, 5/10**

(54) • MUTATED HYDROXY–PHENYL PYRUVATE DIOXYGENASE, DNA SEQUENCE AND METHOD FOR OBTAINING HERBICIDE–TOLERANT PLANTS CONTAINING SUCH GENE
• HYDROXY–PHENYL PYRUVATE DIOXYGENASE MUTEE, SEQUENCE D'ADN ET OBTENTION DE PLANTES CONTENANT UN TEL GENE, TOLERANTES AUX HERBICIDES

(71) **RHONE–POULENC AGRO** [FR/FR]; 14–20, rue Pierre Baizet, F–69009 Lyon (FR).

(72) **BOUDEC, Philippe**; 7, rue Camille de Neuville, F–69009 Lyon (FR). **BOURDON, Hélène**; 8, allée des Tullistes, F–69130 Ecully (FR). **DUMAS, Florence**; 3, rue de la Pécherie, F–69250 Fleurieu sur Saône (FR). **RODGERS, Matthew**; Rhône–Poulenc Agriculture Ltd., Fyfield Road, Ongar, Essex CM5 0HW (GB). **SAILLAND, Alain**; 38, rue Albert Chalinel, F–69009 Lyon (FR).

(74) **TETAZ, Franck**; Rhône–Poulenc Agro, Boîte postale 9163, F–69263 Lyon Cedex 09 (FR).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24586** (13) A1

(21) PCT/FR98/02391

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) fr (26) fr

(31) 97/14264 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/53, 15/62, 15/82, 5/10, 9/02, A01H 5/00, 5/10**

(54) • CHIMERIC HYDROXY–PHENYL PYRUVATE DIOXYGENASE, DNA SEQUENCE AND METHOD FOR OBTAINING PLANTS CONTAINING SUCH A GENE, WITH HERBICIDE TOLERANCE
• HYDROXY–PHENYL PYRUVATE DIOXYGENASE CHIMERE, SEQUENCE D'ADN ET OBTENTION DE PLANTES CONTENANT UN TEL GENE, TOLERANTES AUX HERBICIDES

(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) **BOUDEC, Philippe** [FR/FR]; 7, rue Camille de Neuville, F–69009 Lyon (FR). **BOURDON, Hélène** [FR/FR]; 8, allée des Tullistes, F–69130 Ecully (FR). **DUMAS, Florence** [FR/FR]; 3, rue de la Pécherie, F–69250 Fleurieu sur Saône (FR). **RODGERS, Matthew** [GB/GB]; Rhône–Poulenc Agriculture Ltd., Fyfield Road, Ongar, Essex CM5 0HW (GB). **SAILLAND, Alain** [FR/FR]; 38, rue Albert Chalinel, F–69009 Lyon (FR).

(74) **TETAZ, Franck**; Rhône–Poulenc Agro, Boîte postale 9163, F–69263 Lyon Cedex 09 (FR).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24587** (13) A2

(21) PCT/US98/23555

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,317 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/55, 9/20, 15/70, 5/10, C12P 21/00, A61K 38/46, C12Q 1/68, C07K 16/40**

(54) • HUMAN PHOSPHOLIPASE A2 PROTEIN AND DNA ENCODING IT
• PROTEINE DE TYPE PHOSPHOLIPASE A2 D'ORIGINE HUMAINE ET ADN LA CODANT

(63) US 08/966,317 (CIP) 7 Nov/nov 1997 (07.11.1997)

(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) **HAWKINS, Phillip, R.** [US/US]; 750 N. Shoreline Boulevard #96, Mountain View, CA 94034 (US). **BANDMAN, Olga** [US/US]; 366 Anna Avenue, Mountain View, CA 94043 (US). **GUEGLER, Karl, J.** [CH/US]; 1048 Oakland Avenue, Menlo Park, CA 94025 (US). **SHAH, Purvi** [IN/US]; 1608 Queen Charlotte Drive #5, Sunnyvale, CA 94087 (US). **CORLEY, Neil, C.** [US/US]; 1240 Dale Avenue #30, Mountain View, CA 94040 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24588** (13) A1

(21) PCT/CA98/01034

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,890 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/56, 15/11, 15/82**

(54) • cDNA CLONE OF ENDO–β–MANNANASE FROM PLANT TISSUES
• CLONE D'ADNc DU GENE ENDO–β–MANANNASE PROVENANT DE TISSUS VEGETAUX

(63) US 60/064,890 (CIP) 7 Nov/nov 1997 (07.11.1997)

(71) **UNIVERSITY OF GUELPH** [CA/CA]; Reynolds Building, Room 209, Guelph, Ontario N1G 2W1 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BEWLEY, J., Derek** [CA/CA]; 26 Waverly Drive, Guelph, Ontario N1E 6E8 (CA).

(74) **DEETH WILLIAMS WALL**; National Bank Building, Suite 400, 150 York Street, Toronto, Ontario M5H 3S5 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24589** (13) A2

(21) PCT/DE98/03287

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) de (26) de

(31) 197 49 973.2 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/56, 9/36, A61K 38/47, C12N 15/82, A01N 63/00, A23L 3/3571**

(54) • LYSOZYM–ANALOGOUS PROTEINS AND PEPTIDE HAVING AN ANTI–MICROBIAL ACTIVITY, PRODUCTION OF THE SAME AND USE THEREOF
• PROTEINES ET PEPTIDES ANALOGUES AU LYSOZYME ET A ACTION ANTIMICROBIENNE, LEUR PRODUCTION ET LEUR UTILISATION

(71) **MPB COLOGNE GMBH MOLECULAR PLANT & PROTEIN BIOTECHNOLOGY** [DE/DE]; Händelstrasse 25/29, D–50674 Köln (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DÜRING, Klaus** [DE/DE]; Vorgebirgsweg 33, D–50226 Frechen (DE).

(74) **HUBER, Bernard**; Huber & Schüssler, Truderinger Strasse 246, D–81825 München (DE).

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

---

(11) **WO 99/24590** (13) A1

(21) PCT/AU98/00930

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) PP 0215 (32) **6 Nov/nov 1997 (06.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/63**

(54) • SUICIDE EXPRESSION VECTOR FOR VACCINE STRAINS
• VECTEUR D'EXPRESSION SUICIDE POUR SOUCHES DE VACCIN

(71) **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION** [AU/AU]; Limestone Avenue, Campbell, ACT 2601 (AU). **THE AUSTRALIAN NATIONAL UNIVERSITY** [AU/AU]; Canberra, ACT 2601 (AU). **AGRICULTURE PROTECTION BOARD OF WESTERN AUSTRALIA** [AU/AU]; Baron–Hay Court, South Perth, W.A. 6151 (AU). **DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT** [AU/AU]; Hackett Drive, Crawley, W.A. 6009 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRAHMBHATT, Himanshu, N.** [IN/AU]; 96 Prairie Vale Road, Bossley Park, NSW 2176 (AU). **SEYMOUR, Robert, B.** [AU/AU]; 1/14 Newline Road, West Pennant Hills, NSW 2125 (AU). **BIRD, Peter, H.** [AU/AU]; Unit 4, 52 Ormond Street, Turner, ACT 2601 (AU). **BRADLEY, Mark, P.** [AU/AU]; 59 Calley Drive, Leeming, W.A. 6149 (AU).

(74) **F.B. RICE & CO.**; 605 Darling Street, Balmain, NSW 2041 (AU).

(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).

---

(11) **WO 99/24591** (13) A1

(21) PCT/FR98/02341

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) fr (26) fr

(31) 97/13977 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/74, 1/21**

(54) • NON RCR LEUCONOSTOC PLASMID CAPABLE OF BEING TRANSFERRED INTO LACTIC ACID BACTERIA; USE AS CLONING AND EXPRESSING TOOL
• PLASMIDE DE LEUCONOSTOC NON RCR APTE A ETRE TRANSFERE DANS DES BACTERIES LACTIQUES; UTILISATION COMME OUTIL DE CLONAGE ET D'EXPRESSION

(71) **TEXEL** [FR/FR]; Zone d'activités de Buxières, F–86220 Dange Saint Romain (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BIET, Franck** [FR/FR]; 9, avenue de la Falaise, F–14460 Colombelle (FR). **CENATIEMPO, Yves** [FR/FR]; 26, rue de Beaulieu, F–86800 Saint Julien l'Ars (FR). **FREMAUX, Christophe** [FR/FR]; 19, rue des Joncs, F–86000 Poitiers (FR).

(74) **HIRSCH, Denise**; Cabinet Lavoix, 2, place d'Estienne d'Orves, F–75441 Paris 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24592** (13) A1

(21) PCT/CA98/01055

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 2,220,563 (32) **10 Nov/nov 1997 (10.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/82, C07K 14/705, 16/18, C12Q 1/02, A01H 1/04, 5/00**

(54) • PROTEIN PRODUCTION IN TRANSGENIC ALFALFA PLANTS
• PRODUCTION DE PROTEINES DANS DES PLANTES D'ALFALFA TRANSGENIQUES

(71) **HER MAJESTY IN RIGHT OF CANADA as represented by THE MINISTER OF AGRICULTURE AND AGRI–FOOD CANADA** [CA/CA]; 2560 Boulevard Hochelaga, Sainte–Foy, Quebec G1V 2J3 (CA). **CANADIAN RED CROSS SOCIETY** [CA/CA]; 2535 Laurier Boulevard, Sainte–Foy, Quebec G1V 4M3 (CA). **UNIVERSITE LAVAL** [CA/CA]; Cité Universitaire, Sainte Foy, Quebec G1K 7P4 (CA).

(72) **VEZINA, Louis–P.**; Agriculture and Agri–Food Canada, 2560 Boulevard Hochelaga, Sainte–Foy, Quebec G1V 2J3 (CA). **LABERGE, Serge**; Agriculture and Agri–Food Canada, 2560 Boulevard Hochelaga, Sainte–Foy, Quebec G1V 2J3 (CA). **BAZIN, Renée**; Agriculture and Agri–Food Canada, 2560 Boulevard Hochelaga, Sainte–Foy, Quebec G1V 2J3 (CA). **KHOUDI, Habib**; Agriculture and Agri–Food Canada, 2560 Boulevard Hochelaga, Sainte–Foy, Quebec G1V 2J3 (CA). **LEMIEUX, Réal**; Agriculture and Agri–Food Canada, 2560 Boulevard Hochelaga, Sainte–Foy, Quebec G1V 2J3 (CA). **ALLARD, Guy**; Agriculture and Agri–Food Canada, 2560 Boulevard Hochelaga, Sainte–Foy, Quebec G1V 2J3 (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 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 : *(c)*

---

(11) **WO 99/24593** (13) A1

(21) PCT/EP98/07115

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 197 49 122.7 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/82, 15/54, 9/10, 5/10, A01H 5/00**

(54) • NUCLEIC ACID MOLECULES WHICH ENCODE PROTEINS HAVING FRUCTOSYL TRANSFERASE ACTIVITY AND METHODS FOR PRODUCING LONG–CHAIN INULIN
• MOLECULES D'ACIDES NUCLEIQUES CODANT POUR DES PROTEINES AYANT UNE ACTIVITE DE FRUCTOSYLE TRANSFERASE ET PROCEDES DE PRODUCTION D'INULINE A LONGUE CHAINE

(71) **MAX–PLANCK–GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.** [DE/DE]; Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEYER, Arnd, G.** [DE/DE]; Kottesteig 10, D–12169 Berlin (DE). **HELLWEGE, Elke, W.** [DE/DE]; Stockweg 4, D–12203 Berlin (DE). **GRITSCHER, Dominique** [DE/DE]; Zittauerstrasse 51, D–12355 Berlin (DE).

(74) **VOSSIUS & PARTNER**; P.O. Box 86 07 67, D–81634 Munich (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24594** (13) A1

(21) PCT/FR98/02375

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/14263 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/82, C07K 14/435, C12N 15/62, C12Q 1/68, A01H 5/00**

(54) • GENE CODING FOR THANATIN, VECTOR CONTAINING SAME AND RESULTING TRANSFORMED DISEASE–RESISTANT PLANTS
• GENE CODANT POUR LA THANATINE, VECTEUR LE CONTENANT ET PLANTES TRANSFORMEES OBTENUES RESISTANTES AUX MALADIES

(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) **FREYSSINET, Georges** [FR/FR]; 21, rue de Nervieux, F–69450 Saint Cyr au Mont d'Or (FR). **DEROSE, Richard** [US/FR]; 31, rue du Bois Guillaume, F–91000 Evry (FR). **HOFFMANN, Jules** [FR/FR]; 5, rue Closener, F–67000 Strasbourg (FR).

(74) **TETAZ, Franck**; Rhône–Poulenc Agro – DPI, Boîte postale 9163, F–69263 Lyon Cedex 09 (FR).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24595** (13) A1

(21) PCT/US98/23873

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,175 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/85, 15/11, 15/12, C12Q 1/68 // C07K 14/47**

(54) • THE TRANSLATION ENHANCER ELEMENT OF THE HUMAN AMYLOID PRECURSOR PROTEIN GENE
• ELEMENT AMPLIFICATEUR DE TRADUCTION DU GENE DE LA PROTEINE PRECURSEUR AMYLOIDE HUMAINE

(71) **THE BRIGHAM AND WOMEN'S HOSPITAL, INC.** [US/US]; 75 Francis Street, Boston, MA 02115 (US).

(72) **ROGERS, Jack**; 39 Prince Street, Jamaica Plain, MA 02115 (US).

(74) **SANZO, Michael, A.**; Vinson & Elkins L.L.P., 2300 First City Tower, 1001 Fannin, Houston, TX 77002–6760 (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)*

---

(11) **WO 99/24596** (13) A1

(21) PCT/US98/23745

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,134 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12N 15/86, A61K 39/00**

(54) • EXPRESSION PLASMIDS FOR MULTIEPITOPE NUCLEIC ACID–BASED VACCINES
• PLASMIDES D'EXPRESSION UTILISES DANS DES VACCINS A BASE D'ACIDE NUCLEIQUE A PLUSIEURS EPITOPES

(71) **GENEMEDICINE, INC.** [US/US]; 8301 New Trails Drive, The Woodlands, TX 77381–4248 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEDEBUR, Harry, C., Jr.** [US/US]; 26001 Rudde Road #2803, Spring, TX 77380 (US). **NORDSTROM, Jeffrey, L.** [US/US]; 1016 Puryear Drive, College Station, TX 77840 (US).

(74) **WARBURG, Richard, J.** et al. / etc.; Lyon & Lyon LLP, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071–2066 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24597** (13) A1

(21) PCT/EP98/07124

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 480.3 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12P 13/00, 1/00**

(54) • METHOD FOR PRODUCING L–CARNITINE FROM CROTONOBETAINE
• PROCEDE DE PRODUCTION DE L–CARNITINE A PARTIR DE CROTONOBETAINE

(71) **SIGMA–TAU INDUSTRIE FARMACEUTICHE RIUNITE S.P.A.** [IT/IT]; Viale Shakespeare, 47, I–00144 Roma (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KLEBER, Hans–Peter** [DE/DE]; Platanenweg 42, D–04416 Großdeuben (DE). **CANOVAS–DIAZ, Manuel** [ES/ES]; Cuesta de la Luz, 31, Urb. Azahar D 3, E–30001 Santo Angel–Murcia (ES). **OBON, José Maria** [ES/ES]; Libertad, 1.7 A, E–30009 Murcia (ES). **IBORRA, José Luis** [ES/ES]; Nuestra Sedora de los Buenosa Libros, 5.4 F, E–30008 Murcia (ES).

(74) **MARSH, Roy, D.**; Hoffmann . Eitle, Arabellastrasse 4, D–81925 München (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24598** (13) A1

(21) PCT/EP98/06894

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 556.7 (32) **10 Nov/nov 1997** (33) DE **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12P 13/02, 21/00, C11D 1/32, A61K 7/00, C02F 3/34, B09C 1/10**

(54) • ENZYMATICALLY CATALYSED N–ACYLATION OF AMINO ACIDS, PROTEIN HYDROLYZATES AND/OR DERIVATIVES THEREOF

• N–ACYLATION SOUS CATALYSE ENZYMATIQUE D'AMINOACIDES, D'HYDROLYSATS PROTEIQUES ET/OU DE LEURS DERIVES

(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) **VONDERHAGEN, Anja** [DE/DE]; Aachener Strasse 75, D–40223 Düsseldorf (DE). **RATHS, Hans–Christian** [DE/DE]; Nelly–Sachs–Strasse 13, D–40789 Monheim (DE). **EILERS, Eberhard** [DE/DE]; Fünf–Bäume–Weg 42, D–89081 Ulm (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)*

---

(11) **WO 99/24599** (13) A1

(21) PCT/EP98/06895

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 555.9 (32) **10 Nov/nov 1997** (33) DE **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12P 13/02, 21/00, C11D 1/32, A61K 7/00, C02F 3/34, B09C 1/10**

(54) • ENZYMATICALLY CATALYSED N–ACYLATION OF AMINO ACIDS, PROTEIN HYDROLYZATES AND/OR DERIVATIVES THEREOF

• N–ACYLATION SOUS CATALYSE ENZYMATIQUE D'AMINOACIDES, D'HYDROLYSATS PROTEIQUES ET/OU DE LEURS DERIVES

(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) **VONDERHAGEN, Anja** [DE/DE]; Aachener Strasse 75, D–40223 Düsseldorf (DE). **RATHS, Hans–Christian** [DE/DE]; Nelly–Sachs–Strasse 13, D–40789 Monheim (DE). **EILERS, Eberhard** [DE/DE]; Fünf–Bäume–Weg 42, D–89081 Ulm (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)*

---

(11) **WO 99/24600** (13) A1

(21) PCT/JP98/04895

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) ja (26) ja

(31) 9/322077 (32) **7 Nov/nov 1997** (33) JP **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12P 19/30**

(54) • PROCESS FOR PREPARING SUGAR NUCLEOTIDE

• PROCEDE SERVANT A PREPARER UN NUCLEOTIDE DE SUCRE

(71) **YAMASA CORPORATION** [JP/JP]; 10–1, Araoicho 2–chome, Choshi–shi, Chiba 288–0056 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NOGUCHI, Toshitada** [JP/JP]; 1556, Sakaecho 3–chome, Choshi–shi, Chiba 288–0812 (JP). **ABE, Kazuhiro** [JP/JP]; 2–2, Sakaecho 2–chome, Choshi–shi, Chiba 288–0812 (JP). **NODA, Yutaka** [JP/JP]; 2367–14, Kasugacho, Choshi–shi, Chiba 288–0814 (JP).

(74) **ARUGA, Mitsuyuki** et al. / etc.; Kyodo Building, 3–6, Nihonbashiningyocho 1–chome, Chuo–ku, Tokyo 103–0013 (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).

---

(11) **WO 99/24601** (13) A1

(21) PCT/US98/24243

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,139 (32) **12 Nov/nov 1997** (33) US **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12P 21/02, A61K 38/17, 38/16, C12N 15/11, 15/00, 15/63, 1/00, C07K 16/00, C12Q 1/68, G01N 33/68**

(54) • SECRETED PROTEIN NSL4

• PROTEINE SECRETEE NSL4

(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) **SOUSA, Silvino** [US/US]; 506 East Prospect Avenue, North Wales, PA 19454 (US). **STOCKWELL, Simon** [GB/GB]; 19 Goldings, Bishop's Stortford, Hertfordshire CM23 5EH (GB). **McLAUGHLIN, Megan, M.** [US/US]; 2505 Mansfield Avenue, Drexel Hill, PA 19026 (US). **GALLAGHER, Kathleen, Theresa** [US/US]; 1812 North Hills Avenue, Willow Grove, PA 19090 (US). **KIKLY, Kristine, Kay** [US/US]; 499 Limerick Center Road, Linfield, PA 19468 (US).

(74) **ANDERSEN, Robert, L.** et al. / etc.; Ratner & Prestia, Suite 301, One Westlakes, Berwyn, P.O. Box 980, Valley Forge, PA 19482–0980 (US).

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

---

(11) **WO 99/24602** (13) A2

(21) PCT/DE98/03245

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 50 790.5 (32) **7 Nov/nov 1997** (33) DE **(07.11.1997)**

(31) 198 05 818.7 (32) **13 Feb/fév 1998** (33) DE **(13.02.1998)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/00**

(54) • PROCESS FOR DETERMINING CELL VITALITY AND EFFICIENCY IN PARALLEL AFTER A GENE TRANSFER INTO EUKARYOTIC CELLS AND DUAL TEST SYSTEM

• PROCEDE SERVANT A DETERMINER LA VITALITE DE CELLULES ET PARALLELEMENT L'EFFICACITE APRES UN TRANSFERT DE GENES DANS DES CELLULES EUCARYOTES ET DOUBLE SYSTEME DE DETERMINATION

(71) **MAX–DELBRÜCK–CENTRUM FÜR MOLEKULARE MEDIZIN** [DE/DE]; Robert–Rössle–Strasse 10, D–13125 Berlin (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROTH, Detlef** [DE/DE]; Neue Scheune 5, D–14548 Ferch (DE). **RESZKA, Regina** [DE/DE]; Goethestrasse 23, D–16341 Schwanebeck (DE).

(74) **BAUMBACH, Fritz**; BioTez Berlin–Buch GmbH, Patentstelle, Robert–Rössle–Strasse 10, D–13125 Berlin (DE).

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

---

(11) **WO 99/24603** (13) A1

(21) PCT/US98/23597

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,657 (32) **6 Nov/nov 1997** (33) US **(06.11.1997)**

(31) 60/080,471 (32) **2 Apr/avr 1998** (33) US **(02.04.1998)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/02, A01N 61/00**

(54) • METHOD FOR IDENTIFYING DRUG TARGETS

• PROCEDE D'IDENTIFICATION DE CIBLES DE MEDICAMENTS

(71) **FRED HUTCHINSON CANCER RESEARCH CENTER** [US/US]; 1100 Fairview Avenue N., Seattle, WA 98109 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRIEND, Stephen** [US/US]; Fred Hutchinson Cancer Research Center, 1100 Fairview Avenue N., LY301, P.O. Box 19024, Seattle, WA 98109–1042 (US). **HARTWELL, Leland** [US/US]; Fred Hutchinson Cancer Research Center, 1100 Fairview Avenue N., LY301, P.O. Box 19024, Seattle, WA 98109–1042 (US).

(74) **KHALILIAN, Houri** et al. / etc.; Pepper Hamilton LLP, 1300 Nineteenth Street, N.W., Washington, DC 20036–1685 (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 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).

(11) **WO 99/24604** (13) A1

(21) PCT/FR98/02380

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 97/14191 (32) **6 Nov/nov 1997 (06.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/04, 1/34, C07C 311/19, C07D 233/54**

(54) • METHOD AND AGENT FOR DETERMINING AN ENZYMATIC ACTIVITY SUCH AS DEAMINASE
• PROCEDE ET AGENT DE DETERMINATION D'UNE ACTIVITE ENZYMATIQUE DE TYPE DESAMINASE

(71) **BIO MERIEUX** [FR/FR]; Chemin de l'Orme, F–69280 Marcy l'Etoile (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARMSTRONG, Lyle** [GB/GB]; 18 Lindale Road, Fenham, Newcastle upon Tyne (GB). **JAMES, Arthur** [GB/GB]; 12 Wolseley Gardens, Jesmond, Newcastle upon Tyne NE2 1HR (GB). **ORENGA, Sylvain** [FR/FR]; 164, route du Suran, F–01160 Neuville sur Ain (FR).

(74) **CABINET GERMAIN & MAUREAU**; Boîte postale 6153, F–69466 Lyon Cedex 06 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24605** (13) A2

(21) PCT/DE98/03397

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 50 172.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, C07K 14/47**

(54) • DNA WITH PROMOTER ACTIVITY FOR CELL CYCLE GENES
• ADN A ACTIVITE DE PROMOTEUR POUR GENE A CYCLE CELLULAIRE

(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) **KNEHR, Michael** [DE/DE]; Nikolaus–Becker–Strasse 1, D–55131 Mainz (DE). **POPPE, Monika** [DE/DE]; Fritz–Frey–Strasse 2, D–69121 Heidelberg (DE).

(74) **SCHÜSSLER, Andrea**; Truderinger Strasse 246, D–81825 München (DE).

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

---

(11) **WO 99/24606** (13) A2

(21) PCT/EP98/06951

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 48 690.8 (32) **4 Nov/nov 1997 (04.11.1997)** (33) DE

(31) 198 14 001.0 (32) **28 Mar/mar 1998 (28.03.1998)** (33) DE

(31) 198 14 828.3 (32) **2 Apr/avr 1998 (02.04.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68**

(54) • SPECIFIC AND SENSITIVE NUCLEIC ACID DETECTION METHOD
• PROCEDE DE MISE EN EVIDENCE DE LA PRESENCE D'ACIDE NUCLEIQUE, FONDE SUR LA SPECIFICITE ET LA SENSIBILITE

(71) **ROCHE DIAGNOSTICS GMBH** [DE/DE]; Sandhofer Strasse 116, D–68305 Manheim (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KESSLER, Christoph** [DE/DE]; Schlossbergweg 11, D–82057 Icking (DE). **HABERHAUSEN, Gerd** [DE/DE]; Jochbergweg 2, D–82393 Iffeldorf (DE). **BARTL, Knut** [DE/DE]; Am Westend 6, D–82407 Wielenbach (DE). **ORUM, Henrik** [DK/DK]; Vildrosevej 3, DK–3500 Vaerlose (DK).

(74) **ROCHE DIAGNOSTICS GMBH**; Patentabteilung, D–68298 Mannheim (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).

---

(11) **WO 99/24607** (13) A2

(21) PCT/EP98/07106

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 97870180.3 (32) **6 Nov/nov 1997 (06.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, C07K 14/205, 16/12**

(54) • DETECTION AND TYPING OF THE *iceA* GENE OF *HELICOBACTER PYLORI*
• DETECTION ET TYPAGE D'UN GENE *iceA* D'*HELICOBACTER PYLORY*

(71) **INNOGENETICS N.V.** [BE/BE]; Industriepark Zwijnaarde 7, Box 4, B–9052 Ghent (BE). **DELFTS DIAGNOSTIC LABORATORY B.V.** [NL/NL]; De Graafweg 7, NL–2625 AD Delft (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VAN DOORN, Leen–Jan** [NL/NL]; Zwaluw 167, NL–2986 BJ Ridderkerk (NL). **QUINT, Wim** [NL/NL]; Populierenlaan 26, NL–2631 HX Nootdorp (NL).

(74) **DE CLERCQ, Ann**; Innogenetics N.V., Industriepark Zwijnaarde 7, 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 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).

---

(11) **WO 99/24608** (13) A1

(21) PCT/IL98/00513

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(31) 122147 (32) **10 Nov/nov 1997 (10.11.1997)** (33) IL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68**

(54) • METHOD FOR LABELING POLYNUCLEOTIDES
• PROCEDE DE MARQUAGE DE POLYNUCLEOTIDES

(71) **TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD.** [IL/IL]; Senate House, Technion City, Park Gootwirt, 32000 Haifa (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEV, Zeev** [IL/IL]; Silo Street 1, 30065 Kibbutz Yagur (IL). **HERZOG, Ronit** [IL/US]; 1905 Northwestern Avenue, Anchorage, AK 99508 (US).

(74) **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24609** (13) A1

(21) PCT/JP98/04952

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) ja (26) ja

(31) 9/306152 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, C12N 15/10, 11/00**

(54) • GENE ANALYSIS METHOD
• PROCEDE D'ANALYSE DE GENE

(71) **KYOTO DAIICHI KAGAKU CO., LTD.** [JP/JP]; 57, Nishiaketa–cho, Higashikujo, Minami–ku, Kyoto–shi, Kyoto 601–8045 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIRAI, Kaoru** [JP/JP]; 1638–15, Minamikasa–cho, Kusatsu–shi, Shiga 525–0056 (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) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24610** (13) A1

(21) PCT/US98/23512

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/964,127 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, G01N 33/53, C07H 21/02, 21/04, C07K 5/00, A61K 39/395**

(54) • NOVEL GENES ENCODING TRANSPORTER–LIKE MOLECULES
• GENES CODANT POUR DES MOLECULES TRANSPORTEUSES

(71) **MILLENNIUM PHARMACEUTICALS, INC.** [US/US]; 238 Main Street, 5th floor, Cambridge, MA 02142 (US).

(72) **GOODEARL, Andrew, David, John**; 13 Indian Ridge Road, Natick, MA 01760 (US).

(74) **MEIKLEJOHN, Anita, L.**; Fish & Richardson P.C., 225 Franklin 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)*

---

(11) **WO 99/24611** (13) A2

(21) PCT/US98/23577

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/966,341 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68**

(54) • ANALYTE DETECTION PROCESS USING DUAL LABELED PROBES
• DETECTION D'ANALYTE PAR UTILISATION DE SONDES A DOUBLE MARQUAGE

(71) **ABBOTT LABORATORIES** [US/US]; Chad 0377/AP6D–2, 100 Abbott Park Road, Abbott Park, IL 60064–3500 (US).

(72) **CARRINO, John, J.**; 13129 Sea Knoll Court, San Diego, CA 92130 (US). **ERTL, John, R.**; 2500 N. Newman Road, Racine, WI 53406 (US). **SALITURO, John, A.**; 5617 Cambridge Lane, Unit 5, Racine, WI 53406 (US). **JUNG, Paul, M.**; 1739 N. Wolcott Avenue, Chicago, IL 60622 (US).

(74) **YASGER, Paul, D.** et al. / etc.; Abbott Laboratories, Chad 0377/AP6D–2, 100 Abbott Park Road, Abbott Park, IL 60064–3500 (US).

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

---

(11) **WO 99/24612** (13) A2

(21) PCT/US98/23634

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,667 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68**

(54) • MULTIPLE SEQUENTIAL POLYNUCLEOTIDE DISPLACEMENT REACTIONS FOR SIGNAL AMPLIFICATION AND PROCESSING
• REACTIONS MULTIPLES DE DEPLACEMENT POLYNUCLEOTIDIQUE SEQUENTIEL POUR AMPLIFICATION ET TRAITEMENT DE SIGNAUX

(63) US 60/064,667 (CIP) 6 Nov/nov 1997 (06.11.1997)

(71) **MOSAIC TECHNOLOGIES** [US/US]; 1106 Commonwealth Avenue, Boston, MA 02215 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HAMMOND, Philip, W.** [US/US]; 77 Arlington Street No. 1, Brighton, MA 02135 (US). **ABRAMS, Ezra, S.** [US/US]; 4 Colbert Road, Newton, MA 02165 (US). **BOLES, T., Christian** [US/US]; 5 Judith Lane #6, Waltham, MA 02451 (US). **MUIR, Andrew, R.** [US/US]; 481 Jerusalem Road, Cohasset, MA 02025 (US).

(74) **HOGLE, Doreen, 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24613** (13) A1

(21) PCT/US98/23674

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,472 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, C12P 19/34, A61K 39/00, C07H 21/04, C12N 1/20**

(54) • HUMAN BLOOD BACTERIUM
• BACTERIES DU SANG HUMAIN

(71) **PATHOBIOTEK INC.** [US/US]; Building A, Suite 101, 7010 N.W. 100 Drive, Houston, TX 77092–2045 (US).

(72) **LINDNER, Luther**; 2507 Merrimac, College Station, TX 77845 (US). **MACPHEE, Kathleen**; 16315 Hexham Drive, Spring, TX 77379 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24614** (13) A1

(21) PCT/US98/23686

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,880 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68**

(54) • DIAGNOSTIC ASSAY FOR CANCER SUSCEPTIBILITY
• ANALYSE DIAGNOSTIQUE PERMETTANT DE DETERMINER LA SUSCEPTIBILITE AU CANCER

(71) **OKLAHOMA MEDICAL RESEARCH FOUNDATION** [US/US]; 825 Northeast 13th Street, Oklahoma, OK 73104 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **JUPE, Eldon, R.** [US/US]; 2105 Harbor Drive, Norman, OK 73071 (US). **THOMPSON, Linda, F.** [US/US]; 1619 Westminster Place, Oklahoma City, OK 73120 (US). **RESTA, Regina** [US/US]; 45 Middlesex Drive, Slingersland, NY 12159 (US). **DELL'ORCO, Robert, T.** [US/US]; Apartment 101, 8030 Needwood Road, Derwood, MD 20855 (US).

(74) **HANSEN, Eugenia, S.** et al. / etc.; Sidley & Austin, Suite 3400, 717 North Harwood, Dallas, TX 75201 (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 : *(c)*

---

(11) **WO 99/24615** (13) A2

(21) PCT/US98/23721

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723553.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(31) 09/005,923 (32) **12 Jan/jan 1998 (12.01.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68**

(54) • DIAGNOSTICS AND THERAPEUTICS FOR CHRONIC OBSTRUCTIVE AIRWAY DISEASE
• DIAGNOSTICS ET THERAPIES DES MALADIES OBSTRUCTIVES CHRONIQUES DES VOIES RESPIRATOIRES

(71) **MEDICAL SCIENCE SYSTEMS, INC.** [US/US]; 3567 Shaw Avenue, Cincinnati, OH 45208 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **DUFF, Gordon, W.** [GB/GB]; 18 Ashgate Road, Sheffield, South Yorkshire S10 3B2 (GB). **GIOVINE, Marco** [GB/GB]; 18 Ashgate Road, Sheffield, South Yorkshire S10 3B2 (GB). **BARNES, Peter, J.** [GB/GB]; Imperial College School of Medicine at The National Heart & Lung Institute, Dept. of Thoracic Medicine, Dovehouse Street, London SW3 6LY (GB). **LIM, Simon** [GB/GB]; Imperial College School of Medicine at The National Heart & Lung Institute, Dept. of Thoracic Medicine, Dovehouse Street, London SW3 6LY (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24616** (13) A1

(21) PCT/US98/23724

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/966,269 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, C12P 19/34, 21/00, C12N 1/19, 15/63, C07H 21/04**

(54) • METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES
• PROCEDE D'IDENTIFICATION DE GENES CODANT DES SEQUENCES–SIGNAL

(71) **MILLENNIUM BIOTHERAPEUTICS, INC.** [US/US]; 620 Memorial Drive, Cambridge, MA 02142 (US).

(72) **MCCARTHY, Sean, A.**; 145 Pinckney Street #103, Boston, MA 02114 (US). **KURANDA, Michael, Joseph**; 2 Nash Road, Acton, MA 01720 (US). **BULAWA, Christine, Ellen**; 11 Grandview Road, Arlington, MA 02174 (US). **BOSSONE, Steven**; 958 Massachusetts Avenue, Lexington, MA 02173 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24617** (13) A1

(21) PCT/US98/23778

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,477 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68**

(54) • METHODS AND COMPOSITIONS FOR PEPTIDE LIBRARIES DISPLAYED ON LIGHT–EMITTING SCAFFOLDS
• PROCEDES ET COMPOSITIONS DESTINES A DES BANQUES DE PEPTIDES AFFICHEES SUR DES ECHAFAUDAGES EMETTEURS DE LUMIERE

(63) US Not furnished / non communiqué (CIP) Not furnished / non communiquée

(71) **VENTANA GENETICS, INC.** [US/US]; Suite 201, 421 Wakara Way, Salt Lake City, UT 84108 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAMB, Carl, Alexander** [US/US]; 1103 East 600 South, Salt Lake City, UT 84102 (US). **ABEDI, Majid** [GB/US]; 718A Elizabeth Street, Salt Lake City, UT 84102 (US).

(74) **THOMSON, William, E., Jr.** 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24618** (13) A1

(21) PCT/US98/23850

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,089 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, C12P 19/34, C07K 16/00, C07H 21/04**

(54) • METHODS FOR DETECTION OF MUTATIONS IN MYOSTATIN VARIANTS
• PROCEDES DE DETECTION DE MUTATIONS DANS DES VARIANTS DE MYOSTATINE

(71) **THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE** [US/US]; 720 Rutland Avenue, Baltimore, MD 21205 (US).

(72) **LEE, Se–Jin**; 6711 Chokeberry Road, Baltimore, MD 21209 (US). **McPHERRON, Alexandra, C.**; 3905 Keswick Road, Baltimore, MD 21211 (US).

(74) **HAILE, Lisa, A.**; Fish & Richardson P.C., Suite 1400, 4225 Executive Square, La Jolla, CA 92037 (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).

---

(11) **WO 99/24619** (13) A1

(21) PCT/US98/23867

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,823 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, C12P 19/34, C07H 21/04**

(54) • MATERIALS AND METHODS FOR QUANTITATIVE PCR
• MATERIAUX ET PROCEDES QUANTITATIFS POUR ACP

(71) **IXION BIOTECHNOLOGY, INC.** [US/US]; Suite N–111, 13709 Progress Boulevard, Box 13, Alachua, FL 32615 (US). **UNIVERSITY OF FLORIDA** [US/US]; 223 Grinter Hall, Gainesville, FL 32611 (US).

(72) **SIDHU, Harmeet**; 5611 N.W. 42nd Road, Gainesville, FL 32606 (US). **PECK, Ammon, B.**; 9311 S.W. 43rd Lane, Gainesville, FL 32608 (US).

(74) **PACE, Doran, R.** et al. / etc.; Saliwanchik, Lloyd & Saliwanchik, Suite A–1, 2421 N.W. 41st Street, Gainesville, FL 32606–6669 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24620** (13) A1

(21) PCT/US98/23922

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,206 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, G01N 33/544, 33/567, 33/574, A61K 39/395**

(54) • BIOCHEMICAL METHODS FOR DETECTING CERVICAL DYSPLASIA AND CANCER
• METHODES BIOCHIMIQUES DE DETECTION D'UNE DYSPLASIE ET D'UN CANCER DU COL

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 5th floor, 1111 Franklin Street, Oakland, CA 94607–5200 (US).

(72) **SMITH–MCCUNE, Karen**; University of California, San Francisco, 2340 Sutter Street, Box 0128, San Francisco, CA 94143 (US). **GROSSNICKLE, Ellen, Beth**; University of California, San Francisco, 2340 Sutter Street, Box 0128, San Francisco, CA 94143 (US). **RAZANI, Nooshin**; University of California, San Francisco, 2340 Sutter Street, Box 0128, San Francisco, CA 94143 (US).

(74) **OSMAN, Richard, Aron**; Science & Technology Law Group, 75 Denise Drive, Hillsborough, CA 94010 (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).

---

(11) **WO 99/24621** (13) A2

(21) PCT/US98/24226

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,378 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 60/075,812 (32) **24 Feb/fév 1998 (24.02.1998)** (33) US

(31) 60/076,872 (32) **5 Mar/mar 1998 (05.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/68, C07H 21/00**

(54) • METHODS AND COMPOSITIONS FOR DETECTION OF SPECIFIC NUCLEOTIDE SEQUENCES
• METHODES ET COMPOSITIONS DE DETECTION DE SEQUENCES NUCLEOTIDIQUES SPECIFIQUES

(71) **CYGENE, INC.** [US/US]; 12085 Research Drive, Alachua, FL 32615–6832 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAMBERG, Elliot, R.** [US/US]; 3837 N.W. 31st Place, Gainesville, FL 32606 (US).

(74) **MERCHANT, Mary, Anthony** et al. / etc.; Jones & Askew, LLP, 37th floor, 191 Peachtree Street, N.E., Atlanta, GA 30303 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24622** (13) A1

(21) PCT/US98/23765

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/064,997 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C12Q 1/70**

(54) • TRIPLEX IN–SITU HYBRIDIZATION
• HYBRIDATION *IN–SITU* TRIPLEX

(71) **PRINCETON UNIVERSITY** [US/US]; New South Building, 5th floor, P.O. Box 36, Princeton, NJ 08544 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JOHNSON, Marion, D.** [US/US]; 2 Wickham Lane, East Windsor, NJ 08520 (US). **FRESCO, Jacques, R.** [US/US]; 282 Hartley Avenue, Princeton, NJ 08540 (US).

(74) **KARTA, Glenn, E.** et al. / etc.; Rothwell, Figg, Ernst & Kurz, 555 13th Street N.W. Suite 701 East, Columbia Square, Washington, DC 20004 (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).

---

(11) **WO 99/24623** (13) A2

(21) PCT/EP98/06841

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 48 494.8 (32) **3 Nov/nov 1997 (03.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C13F**

(54) • METHOD FOR PURIFYING THE RAW JUICE RESULTING FROM SUGAR REFINING
• PROCEDE DE PURIFICATION DU JUS BRUT RESULTANT DU RAFFINAGE DU SUCRE

(71) **SÜD–CHEMIE AG** [DE/DE]; Lenbachplatz 6, D–80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARTINEZ REYES, Carlos** [MX/MX]; Privada 5 A Sur 5936, Villa Encantada, Puebla, Puebla 72440 (MX). **ORTIZ NIEMBRO, José Antonio** [MX/MX]; Calzada San Ignacio Sur No. 13, Arboledas de San Ignacio, Puebla, Puebla 72590 (MX). **CHACÓN RODRIGUEZ, Raùl** [MX/MX]; Rio Usumacinta 6122, Col. San Manuel, Puebla, Puebla 72500 (MX).

(74) **SPLANEMANN, Rainer** et al. / etc.; Tal 13, D–80331 München (DE).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SD SG SI SK SL TR TT UA US 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 GW ML MR NE SN TD TG).

---

(11) **WO 99/24624** (13) A1

(21) PCT/EP98/05424

(22) **26 Aug/août 1998 (26.08.1998)**

(25) de (26) de

(31) 197 48 797.1 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C21B 7/12**

(54) • FILLING COMPOSITION FOR BLAST FURNACE TAP HOLES
• COMPOSITION DE REMPLISSAGE POUR TROUS DE COULEE DE HAUT–FOURNEAU

(71) **BASALT–FEUERFEST GMBH** [DE/DE]; Linzhausenstrasse 22, D–53545 Linz (DE).

(72) **HAHMANN, Klaus**; Gartenstrasse 6, D–57578 Elkenroth (DE). **SCHÜTZ, Jürgen**; Mittelstrasse 14, D–57539 Hövels (DE).

(74) **COHAUSZ & FLORACK**; Kanzlerstrasse 8a, D–40472 Düsseldorf (DE).

(81) BG CZ HU PL RU SK TR UA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24625** (13) A1

(21) PCT/EP98/06869

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 48 968.0 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C21B 13/00**

(54) • METHOD FOR PRODUCING A MIXTURE OF IRON CARBIDE AND GRANULAR, DIRECTLY REDUCED IRON
• PROCEDE POUR PRODUIRE UN MELANGE CONSTITUE DE CARBURE DE FER ET DE FER DE REDUCTION DIRECTE GRANULE

(71) **METALLGESELLSCHAFT AKTIENGESELLSCHAFT** [DE/DE]; Bockenheimer Landstrasse 73–77, D–60325 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIRSCH, Martin** [DE/DE]; Am Vogelschutz 5, D–61381 Friedrichsdorf (DE). **SAATCI, Alpaydin** [DE/DE]; Alt–Fechenheim 60, D–60386 Frankfurt am Main (DE).

(74) **METALLGESELLSCHAFT AKTIENGESELLSCHAFT**; Bockenheimer Landstrasse 73–77, D–60325 Frankfurt am Main (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24626** (13) A1

(21) PCT/EP98/06794

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) de (26) de

(31) A 1892/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C21B 13/02, F27D 3/08, F27B 1/21**

(54) • WITHDRAWAL DEVICE FOR A SHAFT FURNACE
• DISPOSITIF D'EXTRACTION POUR FOUR A CUVE

(71) **VOEST–ALPINE INDUSTRIEANLAGENBAU GMBH** [AT/AT]; Turmstrasse 44, A–4020 Linz (AT).
(only for / seulement pour AU CN CZ ID JP KR PL RU SK TR UA VN)

(71) **DEUTSCHE VOEST–ALPINE INDUSTRIEANLAGENBAU GMBH** [DE/DE]; Völklinger Strasse 4, D–40219 Düsseldorf (DE).
(only for / seulement pour AT BE BR CA CH CY DE DK ES FI FR GB GR IE IT LU MC MX NL PT SE)

(72, 75) **SCHMIDT, Martin** [AT/AT]; Hofgarten 10, A–4810 Gmunden (AT). **LASSNIG, Herbert** [AT/AT]; Eigenheimstrasse 5B, A–4481 Asten (AT). **WURM, Johann** [AT/AT]; Rieglstrasse 29, A–4283 Bad Zell (AT). **WIEDER, Kurt** [AT/AT]; Aisttalstrasse 26, A–4311 Schwertberg (AT). **AICHINGER, Georg** [AT/AT]; Erlenstrasse 12, A–4481 Asten (AT). **ZIEGLER, Josef** [AT/AT]; Hengststrasse 527, A–4580 Windischgarsten (AT).

(74) **RIEBERER, Stefan**; VA TECH Patente GmbH, Stahlstrasse 21a, A–4020 Linz (AT).

(81) AU BR CA CN CZ ID JP KR MX PL RU SK TR UA US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/24627** (13) A1

(21) PCT/EP98/06792

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) de (26) de

(31) A 1904/97 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C22B 7/02, C21B 13/14**

(54) • METHOD FOR PRODUCING DIRECTLY–REDUCED IRON, LIQUID PIG IRON AND STEEL
• PROCEDE POUR PRODUIRE DU FER DE REDUCTION DIRECTE, DE LA FONTE BRUTE LIQUIDE ET DE L'ACIER

(71) **VOEST–ALPINE INDUSTRIEANLAGENBAU GMBH** [AT/AT]; Turmstrasse 44, A–4020 Linz (AT).
(only for / seulement pour AU CN CZ ID JP KR PL RU SK TR UA VN)

(71) **DEUTSCHE VOEST–ALPINE INDUSTRIEANLAGENBAU GMBH** [DE/DE]; Völklinger Strasse 4, D–40219 Düsseldorf (DE).
(only for / seulement pour AT BE BR CA CH CY DE DK ES FI FR GB GR IE IT LU MC MX NL PT SE)

(72, 75) **SCHREY, Günter** [AT/AT]; Nöbauerstrasse 54, A–4040 Linz (AT). **GRÜNBACHER, Herbert** [AT/AT]; Stein 24, A–4502 St. Marien (AT).

(74) **RIEBERER, Stefan**; VA TECH Patente GmbH, Stahlstrasse 21a, A–4020 Linz (AT).

(81) AU BR CA CN CZ ID JP KR MX PL RU SK TR UA US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24628** (13) A1

(21) PCT/JP98/05076

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/326992 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 10/270407 (32) **25 Sep/sep 1998 (25.09.1998)** (33) JP

(31) 10/288391 (32) **9 Oct/oct 1998 (09.10.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C22C 9/04, C22F 1/08, B21J 5/00**

(54) • METALLIC MATERIAL, BRASS, AND PROCESS FOR PRODUCING THE SAME
• MATERIAU METALLIQUE, LAITON, ET SON PROCEDE DE PRODUCTION

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

(72, 75) **MATSUBARA, Ryuji** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokura–kita–ku, Kita–kyushu–shi, Fukuoka 802–8601 (JP). **ASHIE, Nobuyuki** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokura–kita–ku, Kita–kyushu–shi, Fukuoka 802–8601 (JP). **NAKAMURA, Katsuaki** [JP/JP]; Toto Ltd., 1–1, Nakashima 2–chome, Kokura–kita–ku, Kita–kyushu–shi, Fukuoka 802–8601 (JP).

(74) **WATANABE, Atsushi**; 20–10–203, Takadanobaba 1–chome, Shinjuku–ku, Tokyo 169–0075 (JP).

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

---

(11) **WO 99/24629** (13) A1

(21) PCT/EP98/07123

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 50 080.3 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C22C 21/00, B32B 15/01 // F16C 33/12**

(54) • SLIDING BEARING MATERIAL
• MATIERE POUR PALIER LISSE

(71) **KS GLEITLAGER GMBH** [DE/DE]; Am Bahnhof 14, D–68789 St. Leon–Rot (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHUBERT, Werner** [DE/DE]; Bergwerkstrasse 23, D–69168 Wiesloch (DE). **STEFFENS, Thomas** [DE/DE]; Haller Ring 24, D–74906 Bad–Rappenau (DE).

(74) **FRIZ, Oliver**; Dreiss, Fuhlendorf, Steimle & Becker, Postfach 10 37 62, D–70032 Stuttgart (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24630** (13) A1

(21) PCT/JP98/03623

(22) **13 Aug/août 1998 (13.08.1998)**

(25) ja (26) ja

(31) 9/322495 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C22C 38/00, 38/02, C21D 9/52**

(54) • HIGH FATIGUE–STRENGTH STEEL WIRE AND SPRING, AND PROCESSES FOR PRODUCING THESE
• FIL D'ACIER ET RESSORT A RESISTANCE ELEVEE A LA FATIGUE ET PROCEDES DE FABRICATION

(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) **KAWABE, Nozomu** [JP/JP]; Itami Works of Sumitomo Electric Industries, Ltd., 1–1, Koyakita 1–chome, Itami–shi, Hyogo 664–0016 (JP). **MURAI, Teruyuki** [JP/JP]; Itami Works of Sumitomo Electric Industries, Ltd., 1–1, Koyakita 1–chome, Itami–shi, Hyogo 664–0016 (JP).

(74) **AOKI, Hidezane** et al. / etc.; Shinnakajima Building 7F, 9–20, Nishinakajima 1–chome, Yodogawa–ku, Osaka–shi, Osaka 532–0011 (JP).

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

---

(11) **WO 99/24631** (13) A1

(21) PCT/JP98/05021

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/325208 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(31) 9/326995 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 9/343988 (32) **27 Nov/nov 1997 (27.11.1997)** (33) JP

(31) 10/73272 (32) **6 Mar/mar 1998 (06.03.1998)** (33) JP

(31) 10/73274 (32) **6 Mar/mar 1998 (06.03.1998)** (33) JP

(31) 10/73275 (32) **6 Mar/mar 1998 (06.03.1998)** (33) JP

(31) 10/73276 (32) **6 Mar/mar 1998 (06.03.1998)** (33) JP

(31) 10/73277 (32) **6 Mar/mar 1998 (06.03.1998)** (33) JP

(31) 10/73445 (32) **6 Mar/mar 1998 (06.03.1998)** (33) JP

(31) 10/73447 (32) **6 Mar/mar 1998 (06.03.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C22F 1/08, C22C 9/04, B21J 1/02**

(54) • FORGED BRASS PRODUCT AND CUT BRASS PRODUCT HAVING HIGH CORROSION RESISTANCE AND METHOD OF MANUFACTURING THE SAME
• ARTICLE EN LAITON FORGE OU USINE A RESISTANCE ELEVEE A LA CORROSION ET PROCEDE DE FABRICATION

(71) **TOTO LTD.** [JP/JP]; 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **KITZ CORPORATION** [JP/JP]; 1–10–1, Nakase, Mihama–ku, Chiba–shi, Chiba 261–8577 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKAMURA, Katsuaki** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **YOSHIJIMA, Tadashi** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **ASHIE, Nobuyuki** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **YAMAUCHI, Atsushi** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **UCHIO, Kenji** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **MATSUBARA, Ryuji** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **UCHIDA, Toru** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **TANAKA, Yuki** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **SHIRAISHI, Masateru** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **SUGIMOTO, Ryoichi** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **SAKURAI, Hiroyuki** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **NOJIMA, Hiroshi** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **NAKAO, Kenichiro** [JP/JP]; Toto Ltd., 1–1, Nakajima 2–chome, Kokura–kita–ku, Kita–kyusyu–shi, Fukuoka 802–8601 (JP). **AYUZAWA, Masanobu** [JP/JP]; Kitz Corporation, 1–10–1, Nakase, Mihama–ku, Chiba–shi, Chiba 261–8577 (JP). **ABE, Hironori** [JP/JP]; Kitz Corporation, 1–10–1, Nakase, Mihama–ku, Chiba–shi, Chiba 261–8577 (JP). **ITO, Kozo** [JP/JP]; Kitz Corporation, 1–10–1, Nakase, Mihama–ku, Chiba–shi, Chiba 261–8577 (JP). **HAGIWARA, Koichi** [JP/JP]; Kitz Corporation, 1–10–1, Nakase, Mihama–ku, Chiba–shi, Chiba 261–8577 (JP).

(74) **YAMAGUCHI, Yasuaki**; Toto Ltd., Intellectual Property Planning Section, Intellectual Property Division, 2–8–1, Honson, Chigasaki–shi, Kanagawa 253–8577 (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 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).

---

(11) **WO 99/24632** (13) A1

(21) PCT/CN98/00266

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) zh (26) zh

(31) 97 1 20249.4 (32) **7 Nov/nov 1997 (07.11.1997)** (33) CN

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23C 8/36**

(54) • s METAL–BASED GRADIENT COMPOSITE MATERIAL HAVING GOOD LUBRICATION AND WEAR RESISTANCE PROPERTY, THE PRODUCTION AND THE USE OF THE SAME
• COMPOSITE DE GRADIENT A BASE DE METAL PRESENTANT UNE BONNE LUBRIFICATION ET UNE BONNE RESISTANCE A L'USURE, SON PROCEDE DE PRODUCTION ET SON UTILISATION

(71, 72) **ZHANG, Xinhui** [CN/CN]; 60 Zhuanta Hutong, Beijing 100034 (CN). **ZHANG, Yifei** [CN/CN]; 60 Zhuanta Hutong, Xisi, Beijing 100034 (CN).

(74) **CCPIT PATENT AND TRADEMARK LAW OFFICE**; 8th floor, 2 Fuchengmenwai Sreet, 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 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).

(11) **WO 99/24633** (13) A1

(21) PCT/JP98/05082

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/329447 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23C 10/28**

(54) • STAINLESS STEEL COATED WITH INTERMETALLIC COMPOUND AND PROCESS FOR PRODUCING THE SAME
• ACIER INOXYDABLE REVETU D'UN COMPOSE INTERMETALLIQUE ET SON PROCEDE DE PRODUCTION

(71) **DAIDO STEEL CO., LTD.** [JP/JP]; 11–18, Nishiki 1–chome, Naka–ku, Nagoya–shi, Aichi 460–0003 (JP). **MATSUSHITA ELECTRIC WORKS, LTD.** [JP/JP]; 1048, Oaza–Kadoma, Kadoma–shi, Osaka 571–8686 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YOSHIDA, Hiroaki** [JP/JP]; S–302, Oike–minami–so, 1–6, Minami–shikamochi, Kagiya–machi, Tokai–shi, Aichi 477–0032 (JP). **YAMADA, Hiroshi** [JP/JP]; 1–12–24, Takamoridai, Kasugai–shi, Aichi 487–0032 (JP). **IWANE, Fumio** [JP/JP]; 4–7–3, Senraku–tori, Minami–ku, Nagoya–shi, Aichi 457–0852 (JP). **IMAI, Junji** [JP/JP]; 1–10–8, Onishi–cho, Amagasaki–shi, Hyogo 661–0023 (JP). **HAMADA, Tadashi** [JP/JP]; 2–254, Nishino–cho, Mozu, Sakai–shi, Osaka 591–8033 (JP). **FUJIMOTO, Shinji** [JP/JP]; Makino–shosei–ryo, Uyama–higashi–machi, Hirakata–shi, Osaka 573–1136 (JP). **YAMADA, Shuji** [JP/JP]; 4–8, Tsukiwaka–cho, Ashiya–shi, Hyogo 659–0084 (JP). **SAKON, Shigetoshi** [JP/JP]; 7–13, Fujisaka–motomachi 3–chome, Hirakata–shi, Osaka 573–0157 (JP).

(74) **NISHIKAWA, Yoshikiyo** et al. / etc.; Umeda–Daiichiseimei Building, 5th floor, 12–17, Umeda 1–chome, Kita–ku, Osaka–shi, Osaka 530–0001 (JP).

(81) CN DE GB JP US.

---

(11) **WO 99/24634** (13) A1

(21) PCT/SE98/02009

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9704066–1 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23C 14/08, 14/06, 14/35**

(54) • PVD Al_2O_3 COATED CUTTING TOOL
• OUTIL DE COUPE A ENROBAGE D'AL_2O_3 PAR DEPOT PAR EVAPORATION SOUS VIDE

(71) **SANDVIK AB (publ)** [SE/SE]; S–811 81 Sandviken (SE). **FRAUNHOFER–GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Leondrodstrasse 54, D–80636 München (DE).

(72) **SCHILLER, Siegfried**; Plattleite 17, D–01324 Dresden (DE). **GOEDICKE, Klaus**; Pfeifferhannsstrasse 78, D–01307 Dresden (DE). **FIETZKE, Fred**; Leisniger Strasse 63, D–01127 Dresden (DE). **ZYWITZKI, Olaf**; J.–S.–Bach–Strasse 6, D–09599 Freiberg (DE). **SJÖSTRAND, Mats**; Imatragatan 28, S–164 78 Kista (SE). **LJUNGBERG, Björn**; Kulstötarvägen 96, S–122 44 Enskede (SE). **ALFREDSSON, Viveka**; Dymlingsgränd 10, S–129 30 Hägersten (SE). **HILDING, Thomas**; Nygatan 7 B, 1 tr, S–647 30 Mariefred (SE).

(74) **BÄCKMAN, Uno** et al. / etc.; Sandvik AB, Patent Dept., S–811 81 Sandviken (SE).

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

Published / Publiée : *(a)*

---

(11) **WO 99/24635** (13) A1

(21) PCT/US98/23791

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,797 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23C 16/18, C07F 15/00**

(54) • METHOD OF FABRICATING IRIDIUM–BASED MATERIALS AND STRUCTURES ON SUBSTRATES, AND IRIDIUM SOURCE REAGENTS THEREFOR
• PROCEDE DE FABRICATION, SUR DES SUBSTRATS, DE MATERIAUX ET STRUCTURES A BASE D'IRIDIUM, ET REACTIFS A SOURCE D'IRIDIUM SERVANT DANS CE PROCEDE

(71) **ADVANCED TECHNOLOGY MATERIALS, INC.** [US/US]; 7 Commerce Drive, Danbury, CT 06810 (US).

(72) **BAUM, Thomas, H.**; 2 Handol Lane, New Fairfield, CT 06776 (US). **XU, Chong–ying**; 6 Canterbury Arms, 190 Wellsville Avenue, New Milford, CT 06776 (US).

(74) **HULTQUIST, Steven, J.**; Intellectual Property/Technology Law, P.O. Box 14329, Research Triangle Park, NC 27709 (US).

(81) 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 EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) 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 SK (Utility model / modèle d'utilité) 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)*

---

(11) **WO 99/24636** (13) A1

(21) PCT/CH98/00473

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 2580/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) CH

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23C 16/26, 16/02**

(54) • METHOD FOR APPLYING A DIAMOND LAYER ON SUBSTRATES MADE OF SINTERED METALLIC CARBIDE
• PROCEDE POUR REVETIR D'UNE COUCHE DE DIAMANT DES SUBSTRATS DE CARBURE METALLIQUE FRITTE

(71) **BALZERS HOCHVAKUUM AG** [CH/CH]; CH–9477 Trübbach (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KARNER, Johann** [AT/AT]; Lehrer Fricks-strasse 10a/Top 10, A–6800 Feldkirch (AT). **SCHOEB, Wolfgang** [CH/CH]; Hueb, CH–9473 Gams (CH).

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

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

---

(11) **WO 99/24637** (13) A1

(21) PCT/US98/23565

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/965,939 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23C 16/56**

(54) • METHOD FOR ANNEALING AN AMORPHOUS FILM USING MICROWAVE ENERGY
• RECUIT DE FILM AMORPHE SOUS RAYONNEMENT HYPERFREQUENCE

(71) **APPLIED KOMATSU TECHNOLOGY, INC.** [JP/JP]; No. 1, 7 ban 2–chome, Nishishinjuku, Tokyo (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **LAW, Kam, S.** [US/US]; 461 Riveria Drive, Union City, CA 94587 (US).

(72, 75) **SHANG, Quanyuan** [CN/US]; 1507 Johnson Avenue, San Jose, CA 95129 (US). **ROBERTSON, Robert, McCormick** [US/US]; 900 Pepper Tree Lane #1422, Santa Clara, CA 95051 (US). **TAKEHARA, Takako** [JP/US]; 2811 Colony View Place, Hayward, CA 94541 (US). **WON, Taekyung** [KR/US]; 900 Pepper Tree Lane #1113, Santa Clara, CA 95051 (US). **SUN, Sheng** [CN/US]; 1971 Via Reggio Court, San Jose, CA 95132 (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 US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/24638** (13) A1

(21) PCT/EP98/06889

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 508.7 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23C 22/18, 22/36**

(54) • CORROSION PROTECTION FOR GALVANISED AND ALLOY GALVANISED STEEL STRIPS
• PROTECTION ANTI–CORROSION DE FEUILLARDS ACIER GALVANISES ET GALVANISES PAR ALLIAGE

(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) **RIESOP, Jörg** [DE/DE]; Brüsseler Strasse 19, D–50171 Kerpen (DE).

(81) AU BG BR BY CA CN CZ GE HR HU ID IS JP KG KP KR KZ LK LT LV MD MX NO NZ PL RO RU SG SI SK TJ TM TR UA US UZ VN YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

(11) **WO 99/24639** (13) A1

(21) PCT/EP98/05960

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) de (26) de

(31) 197 50 066.8 (32) **12 Nov/nov 1997** (33) DE **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23C 26/00, C21D 8/12**

(54) • METHOD FOR COVERING ELECTRIC STEEL STRIPS WITH AN ANNEALING SEPARATOR
• PROCEDE DE REVETEMENT DE TOLES D'ACIER ELABORE AU FOUR ELECTRIQUE AU MOYEN D'UN SEPARATEUR DE RECUIT

(71) **EBG GESELLSCHAFT FÜR ELEKTROMAGNETISCHE WERKSTOFFE MBH** [DE/DE]; Castroper Strasse 228, D–44791 Bochum (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GÜNTHER, Klaus** [DE/DE]; Rittersteg 4, D–46562 Voerde (DE). **SCHRAPERS, Heiner** [DE/DE]; Lessingstrasse 8c, D–47226 Duisburg (DE).

(74) **COHAUSZ & FLORACK**; Kanzlerstrasse 8a, D–40472 Düsseldorf (DE).

(81) AU BR CN CZ ID JP KR PL RU SK US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24640** (13) A1

(21) PCT/JP97/04119

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) ja (26) ja

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23F 4/00, H01L 21/3065, H05H 1/46**

(54) • METHOD FOR MONITORING FOREIGN MATTER OF PLASMA TREATING DEVICE
• PROCEDE DE SURVEILLANCE DE CORPS ETRANGERS DANS UN DISPOSITIF DE TRAITEMENT PAR PLASMA

(71) **HITACHI, LTD.** [JP/JP]; 6, Kanda Surugadai 4–chome, Chiyoda–ka, Tokyo 101 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKAHASHI, Kazue** [JP/JP]; 1–202, 5–2, Hataoka, Kudamatsu–shi, Yamaguchi 744 (JP). **TAMURA, Tomoyuki** [JP/JP]; 1117–11, Ooaza Kasadojima, Kudamatsu–shi, Yamaguchi 744 (JP). **NAWATA, Makoto** [JP/JP]; 4–13–5, Touyou, Kudamatsu–shi, Yamaguchi 744 (JP).

(74) **OGAWA, Katsuo**; Hitachi, Ltd., 5–1, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100 (JP).

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

---

(11) **WO 99/24641** (13) A1

(21) PCT/US98/06320

(22) **31 Mar/mar 1998 (31.03.1998)**

(25) en (26) en

(31) 08/967,963 (32) **12 Nov/nov 1997** (33) US **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23F 13/22**

(54) • REMOTE CATHODIC PROTECTION MONITORING SYSTEM
• SYSTEME DE SURVEILLANCE DE PROTECTION CATHODIQUE A DISTANCE

(71) **INSTITUTE OF GAS TECHNOLOGY** [US/US]; 1700 South Mount Prospect Road, Des Plaines, IL 60018 (US).

(72) **COOPER, Joel**; 307 Independence Avenue, West Islip, NY 11795 (US). **GERSHMAN, Albert, W.**; 236 Matawan Avenue, Matawan, NJ 07747 (US). **McCARTY, Joe, W.**; 7237 W. 21st Avenue, Gary, IN 46406 (US). **SHAPIRO, Arthur**; 38 Alexine Avenue, East Rockaway, NY 11518 (US). **ZIOLKOWSKI, Christopher, J.**; 649 Sunnyside Avenue, Elmhurst, IL 60126 (US).

(74) **FEJER, Mark, E.** et al. / etc.; Suite 365, 2800 West Higgins Road, Hoffman Estates, IL 60195 (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 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 : *(b)*

---

(11) **WO 99/24642** (13) A1

(21) PCT/CH98/00479

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 2588/97 (32) **10 Nov/nov 1997** (33) CH **(10.11.1997)**

(31) 1403/98 (32) **1 Jul/juil 1998** (33) CH **(01.07.1998)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23G 1/19**

(54) • METHOD FOR SEPARATING LAYERS FROM ARTICLES
• PROCEDE POUR L'ENLEVEMENT DE COUCHES SUR DES CORPS

(71) **BALZERS HOCHVAKUUM AG** [CH/CH]; CH–9477 Trübbach (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WIJNGAARD, Jan, Hendrik** [NL/CH]; Erikaweg 1, CH–7000 Chur (CH). **BRAENDLE, Hans** [CH/CH]; Schlossstrasse 14, CH–7320 Sargans (CH).

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

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

---

(11) **WO 99/24643** (13) A1

(21) PCT/JP98/04994

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/304380 (32) **6 Nov/nov 1997** (33) JP **(06.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C23G 3/02, 1/02**

(54) • METHOD OF MEASURING ACID CONCENTRATION, AND AUTOMATIC CONTROL METHOD AND APPARATUS
• PROCEDE DE MESURAGE DE LA CONCENTRATION EN ACIDES, ET PROCEDE ET APPAREIL DE CONTROLE AUTOMATIQUE

(71) **SUMITOMO METAL 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) **NONAKA, Toshihiko** [JP/JP]; 4866–429 Omigawa, Omigawa–machi, Katori–gun, Chiba 289–0313 (JP). **KATAOKA, Takeo** [JP/JP]; 135 Yabata, Asou–machi, Namegata–gun, Ibaraki 311–3826 (JP). **ESAKI, Kazuto** [JP/JP]; Sumikinhoushinryou, 1519 Hachigata, Kashima–shi, Ibaraki 314–0034 (JP).

(74) **HIROSE, Shoichi**; Tozan Building, 4–2, Nihonbashi Honcho 4–chome, Chuo–ku, Tokyo 103–0023 (JP).

(81) CA CN JP KR US.

---

(11) **WO 99/24644** (13) A1

(21) PCT/US98/10378

(22) **21 May/mai 1998 (21.05.1998)**

(25) en (26) en

(31) 08/965,972 (32) **7 Nov/nov 1997** (33) US **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C25B 9/00, H01M 8/02**

(54) • ELECTROLYTIC CELL SEALING MEANS
• MOYEN D'ETANCHEITE DE CELLULE ELECTROLYTIQUE

(71) **OXYTECH SYSTEMS, INC.** [US/US]; 100 Seventh Avenue, Chardon, OH 44024–1000 (US).

(72) **ROMINE, Richard, L.**; 7351 Trotwood Drive, Concord, OH 44077 (US).

(74) **FREER, John, J.** et al. / etc.; Eltech Systems Corporation, 625 East Street, Fairport Harbor, OH 44077 (US).

(81) BR MX NO PL; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24645** (13) A1

(21) PCT/US98/23232

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,618 (32) **10 Nov/nov 1997** (33) US **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C25C 1/06, G01N 27/26, 21/64, 15/06, 22/53, 27/00, 33/00, 33/48, 33/543, 33/553, H01L 23/48, 23/52, 29/40, B01L 11/00, B05D 3/00, C23C 4/08, B05D 1/36, 1/38, C12Q 1/68, 1/52, 1/70, C07D 311/82**

(54) • ARRAY OF FUNCTIONALIZED MICRO–ELECTRODES
• RESEAU DE MICROELECTRODES FONCTIONNALISEES

(71) **BEN GURION UNIVERSITY OF THE NEGEV, RESEARCH AND DEVELOPMENT AUTHORITY** [IL/IL]; Hashalom Street 1, 84419 Beer Sheva (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MARKS, Robert** [US/IL]; 68/32 Rehov Rambam, 84308 Beer Sheva (IL). **LELLOUCHE, Jean–Paul** [IL/IL]; 3/22 Rahov Arlozorov, 77407 Ashdod (IL).

(74) **FRIEDMAN, Mark, M.**; c/o Castorina, Anthony, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA 22202 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24646** (13) A1

(21) PCT/AT98/00273

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) GM 694/97 (32) **6 Nov/nov 1997 (06.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C25C 7/00**

(54) • SILVER REFINING INSTALLATION
• INSTALLATION D'AFFINAGE D'ARGENT

(71) **PRIOR ENGINEERING AG** [AT/AT]; Zollikerstrasse 141, CH–8008 Zürich (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PRIOR, Adalbert** [AT/AT]; Neuburgstrasse 8, A–6841 Götzis (AT).

(74) **COLLIN, Hans** et al. / etc.; Mariahilferstrasse 50, A–1070 Wien (AT).

(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).

---

(11) **WO 99/24647** (13) A1

(21) PCT/US98/19904

(22) **23 Sep/sep 1998 (23.09.1998)**

(25) en (26) en

(31) 08/965,559 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **C25D 5/18, 15/00, 5/02, 7/00, 5/34, 5/50, C23C 28/02, 4/08**

(54) • METHOD FOR PRODUCING ABRASIVE TIPS FOR GAS TURBINE BLADES
• PROCEDE DE PRODUCTION D'EXTREMITES ABRASIVES D'AUBES DE TURBINE A GAZ

(71) **CHROMALLOY GAS TURBINE CORPORATION** [US/US]; 330 Blaisdell Road, Orangeburg, NY 10962 (US).

(72) **NENOV, Krassimir, P.**; 5 Kates Bridge, Newnan, GA 30263 (US). **FENTON, Richard**; 102 Gain Street, Piermont, NY 10968–1057 (US). **FUGGINI, Joseph, A.**; 121 Hardwood Drive, Tappan, NY 10983 (US). **HOWARD, Peter**; 48 Komonchak Circle, West Haverstraw, NY 10993 (US).

(74) **BITTMAN, Mitchell, D.**; Sequa Corporation, 3 University Plaza, Hackensack, NJ 07601 (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).

---

(11) **WO 99/24648** (13) A1

(21) PCT/US98/23599

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,717 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D01F 6/84, 6/92, C08G 63/199, C08L 67/02**

(54) • COPOLYESTER BINDER FIBERS
• FIBRES DE LIAISON EN COPOLYESTERS

(71) **EASTMAN CHEMICAL COMPANY** [US/US]; 100 North Eastman Road, Kingsport, TN 37660 (US).

(72) **DEAN, Leron, Ronnie**; 228 Rock Springs Valley Road, Kingsport, TN 37664 (US). **HAILE, William, Alston**; 121 Partridge Place, Kingsport, TN 37663 (US). **MCCONNELL, Richard, Leon**; 421 Manderley Road, Kingsport, TN 37660 (US).

(74) **LINDEMAN, Jeffrey, A.** et al. / etc.; Morgan, Lewis & Bockius LLP, 1800 M Street, N.W., Washington, DC 20036 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24649** (13) A1

(21) PCT/EP98/06954

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 48 733.5 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D01F 8/04, 8/06, 8/12, A46D 1/00, A61C 15/04**

(54) • MONOFIL FOR AND FOR PRODUCING BRISTLES OR INTERDENTAL CLEANING ELEMENTS, BRISTLE PRODUCTS WITH BRISTLES OF THIS TYPE AND INTERDENTAL CLEANING ELEMENTS
• MONOFILAMENT POUR POILS DE BROSSERIE OU ELEMENTS NETTOYANTS INTERDENTAIRES ET POUR LEUR PRODUCTION, AINSI QU'ARTICLES DE BROSSERIE MUNIS DE TELS POILS ET ELEMENTS NETTOYANTS INTERDENTAIRES

(71) **PEDEX & CO. GMBH** [DE/DE]; Hauptstrasse 67, D–69483 Wald–Michelbach (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEIHRAUCH, Georg** [DE/DE]; Am Rossert 1, D–69483 Wald–Michelbach (DE).

(74) **LICHTI, Heiner** et al. / etc.; Postfach 41 07 60, D–76207 Karlsruhe (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24650** (13) A1

(21) PCT/FR98/02364

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/14065 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D01G 25/00, 15/46**

(54) • METHOD AND DEVICES FOR PRODUCING A TEXTILE LAP
• PROCEDE ET DISPOSITIFS POUR PRODUIRE UNE NAPPE TEXTILE

(71) **ASSELIN** [FR/FR]; 41, rue Camille Randoing, F–76500 Elbeuf (FR).

(72) **JOURDE, Bernard**; 76, rue des Martyrs, F–76500 Elbeuf (FR). **LAUNE, Jean–Christophe**; Résidence Beaulieu, 10, rue François Cevert, F–27370 La Saussaye (FR). **JEAN, Robert**; Route de Louviers, F–27370 Fouqueville (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) CA CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24651** (13) A1

(21) PCT/US98/23402

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/964,694 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D02G 3/00**

(54) • REINFORCED THERMOPLASTIC COMPOSITE SYSTEMS
• SYSTEMES COMPOSITES THERMOPLASTIQUES RENFORCES

(71) **OWENS CORNING** [US/US]; One Owens Corning Parkway, Toledo, OH 43659 (US).

(72) **GAUCHEL, James, V.**; 468 Hudson Avenue, Newark, OH 43055 (US). **SKROWRONEK, Robert, M.**; 974 Ridge Crest Drive, Gahanna, OH 43230 (US). **MARTIN, Thomas, F., III**; 7358 Whispering Oak Drive, Sylvania, OH 43560 (US). **HANKIN, Anthony, G.**; Millhouse Hesket Newmarket, Cumbria CA7 8HT (GB).

(74) **ECKERT, Inger, H.** et al. / etc.; Owens Corning, Science & Technology Center, Building 54–1, 2790 Columbus Road, Granville, OH 43023–1200 (US).

(81) AL AU BA BB BG BR CA CN CU CZ DE 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 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 GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

---

(11) **WO 99/24652** (13) A1

(21) PCT/IB98/01775

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,614 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D03D 3/02**

(54) • WOVEN FABRIC SLEEVE
• MANCHON DE TISSU TISSE

(71) **FEDERAL–MOGUL SYSTEMS PROTECTION GROUP INC.** [US/US]; 241 Welsh Pool Road, Exton, PA 19341 (US).

(72) **BRUSHAFER, Robert, J.**; Apartment 8, 1187 Kingsway Road, West Chester, PA 19382 (US). **LIEN, Gerald, T.**; 316 Penwyllt Court, Exton, PA 19341 (US). **MAIDEN, Janice, R.**; 311 Oreland Mill Road, Oreland, PA 19075 (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).

---

(11) **WO 99/24653** (13) A1

(21) PCT/EP98/06459

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/965,812 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D06F 39/02**

(54) • SYSTEM AND METHOD FOR WASHING MACHINE CYCLE IDENTIFICATION AND CHEMICAL DOSING IDENTIFICATION
• SYSTEME ET PROCEDE POUR L'IDENTIFICATION DES CYCLES DE LAVE–LINGE ET POUR L'IDENTIFICATION DU DOSAGE DES PRODUITS CHIMIQUES

(71) **UNILEVER N.V.** [NL/NL]; Weena 455, NL–3013 AL Rotterdam (NL).
(for all designated States except / pour tous les États désignés sauf AU BB CA CY GB GD GH IE KE LK LS MN MW NZ SD SG SZ TT UG)

(71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB).
(only for / seulement pour AU BB CA CY GB GD GH IE KE LK LS MN MW NZ SD SG SZ TT UG)

(72) **NEWMAN, Steven, S.**; Diversey Lever, 151 Harvey West Boulevard, Santa Cruz, CA 95060 (US). **STEED, Michael, A.**; Diversey Lever, 151 Harvey West Boulevard, Santa Cruz, CA 95060 (US). **CORDS, Robert, G.**; Diversey Lever, 151 Harvey West Boulevard, Santa Cruz, CA 95060 (US).

(74) **ROSEN JACOBSON, Frans, L., M.**; Unilever N.V., Patent Dept., P.O. Box 137, NL–3130 AC Vlaardingen (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 IS JP KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24654** (13) A1

(21) PCT/MX97/00037

(22) **3 Dec/déc 1997 (03.12.1997)**

(25) es (26) es

(31) 978570 (32) **6 Nov/nov 1997 (06.11.1997)** (33) MX

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D06F 39/02, D06L 3/02, C11D 7/18**

(54) • REUSABLE DEVICE FOR THE CLEANING OF TEXTILE MATERIALS AND THE LIKE
• DISPOSITIF REUTILISABLE POUR LE NETTOYAGE DE TEXTILES ET DE MATIERES SIMILAIRES

(71, 72) **MENDIOLA GONZALEZ, José Francisco** [MX/MX]; Calle Francisco Frejes #234, Colonia Ladron de Guevara, Guadalajara, Jalisco 44650 (MX).

(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 US UZ VN; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24655** (13) A1

(21) PCT/US98/23185

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/967,531 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D06M 15/277, 23/06**

(54) • WATER REPELLENT RESTORATIVE AND PROCESS OF USE
• PROCEDE POUR RETABLIR LA PROPRIETE HYDROFUGE D'UN PRODUIT ET MODE D'EMPLOI

(71) **W.L. GORE & ASSOCIATES, INC.** [US/US]; 551 Paper Mill Road, P.O. Box 9206, Newark, DE 19714–9206 (US).

(72) **CASTELLANO, Eugene, Jr.**; 1500 Forrest Road, Wilmington, DE (US). **RAUP, Debra, Lynne**; 909 Morrison Boulevard, Havre de Grace, MD 21078 (US).

(74) **CAMPBELL, John, S.** et al. / etc.; W.L. Gore & Associates, 551 Paper Mill Road, P.O. Box 9206, Newark, DE 19714–9206 (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 HR 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 GW ML MR NE SN TD TG).

Published / Publiée : *(c)*

---

(11) **WO 99/24656** (13) A1

(21) PCT/JP98/04554

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) ja (26) ja

(31) 9/305669 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(31) 10/252295 (32) **7 Sep/sep 1998 (07.09.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D06N 3/00**

(54) • NUBUCK–TYPE ARTIFICIAL LEATHER AND PROCESS FOR THE PRODUCTION THEREOF
• SIMILICUIR DU TYPE NUBUCK ET SON PROCEDE DE FABRICATION

(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) **IIJIMA, Hiromichi** [JP/JP]; 14–8, Kokubu 1–chome, Otsu–shi, Shiga 520–0844 (JP). **WATANABE, Koji** [JP/JP]; 10–30, Sakuragaoka 1–chome, Kusatsu–shi, Shiga 525–0057 (JP).

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

---

(11) **WO 99/24657** (13) A1

(21) PCT/JP98/05088

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) ja (26) ja

(31) 9/327096 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D06N 3/00**

(54) • PROCESSING RELEASE PAPER AND PRODUCTION METHOD OF SYNTHETIC LEATHER
• PAPIER ANTI–ADHERENT DE TRAITEMENT ET PROCEDE DE PRODUCTION DE CUIR SYNTHETIQUE

(71) **AJINOMOTO CO., INC.** [JP/JP]; No. 15–1, Kyobashi 1–chome, Chuo–ku, Tokyo 104–0031 (JP). **DAI NIPPON INSATSU KABUSHIKI KAISHA** [JP/JP]; 1–1, Ichigaya kagacho 1–chome, Shinjuku–ku, Tokyo 162–0062 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKESHITA, Kazuhisa** [JP/JP]; Ajinomoto Co., Inc., 15–1, Kyobashi 1–chome, Chuo–ku, Tokyo 104–0031 (JP). **ARITA, Keisuke** [JP/JP]; 1–1–10, Nishitomi, Fujisawa–shi, Kanagawa–ken 251–0001 (JP).

(74) **YONEDA, Junzo** et al. / etc.; Tomiyamacho Sato Building, 2 floor, 17, Kanda Tomiyamacho, Chiyoda–ku, Tokyo 101–0043 (JP).

(81) CN KR US; EP (DE ES FR GB IT).

---

(11) **WO 99/24658** (13) A1

(21) PCT/JP98/04900

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) ja (26) ja

(31) 9/307364 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D06N 3/14**

(54) • LEATHER–LIKE SHEET AND PROCESS FOR THE PRODUCTION THEREOF
• FEUILLE SEMBLABLE A DU CUIR ET SON PROCEDE DE FABRICATION

(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) **SASAKI, Kunihiko** [JP/JP]; Cordley Chemicals Ltd., 1–446, Nagahisa, Nagahisa–cho, Ooda–shi, Shimane 694–0041 (JP). **SUZUKI, Yoshiyuki** [JP/JP]; Cordley Chemicals Ltd., 1–446, Nagahisa, Nagahisa–cho, Ooda–shi, Shimane 694–0041 (JP).

(74) **MAEDA, Sumihiro**; Teijin Limited, Intellectual Property Dept., 1–1, Uchisaiwaicho 2–chome, Chiyoda–ku, Tokyo 100–0011 (JP).

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

---

(11) **WO 99/24659** (13) A1

(21) PCT/US98/20635

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en

(31) 08/966,160 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D06P 3/26, 3/60, 3/79, C08J 3/20**

(54) • POLYOXYALKYLENATED DISAZO COLORED THERMOPLASTIC RESINS
• RESINES THERMOPLASTIQUES COLOREES DISAZOIQUES POLYOXYALKYLENEES

(71) **MILLIKEN RESEARCH CORPORATION** [US/US]; 920 Milliken Road, Spartanburg, SC 29303 (US).

(72) **STEPHENS, Eric, B.**; 204 Raspberry Court, Roebuck, SC 29376 (US). **RAGSDALE, Mark, E.**; 260 Dobson Road, Duncan, SC 29334 (US).

(74) **PARKS, William, S.**; P.O. Box 1927, Spartanburg, SC 29304 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24660** (13) A1

(21) PCT/US98/23067

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/966,090 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D21C 9/00**

(54) • METHOD FOR FILLING AND COATING CELLULOSE FIBERS
• PROCEDE DE CHARGE ET DE REVETEMENT DE FIBRES CELLULOSIQUES

(71) **KIMBERLY–CLARK WORLDWIDE, INC.** [US/US]; 401 North Lake Street, Neenah, WI 54956 (US).

(72) **SHANNON, Thomas, Gerard**; 1604 Meadowbreeze Circle, Neenah, WI 54956 (US).

(74) **CROFT, Gregory, E.** et al. / etc.; Kimberly–Clark Worldwide, Inc., 401 North Lake Street, Neenah, WI 54956 (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 : *(c)*

---

(11) **WO 99/24661** (13) A1

(21) PCT/FI98/00851

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 974145 (32) **5 Nov/nov 1997 (05.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D21C 9/18, D21F 1/66, D21H 17/65**

(54) • A PROCESS FOR IMPROVING THE DRAINAGE OF CELLULOSIC PULPS
• PROCEDE PERMETTANT UN MEILLEUR DRAINAGE DES PULPES CELLULOSIQUES

(71) **AGA AKTIEBOLAG** [SE/SE]; S–181 81 Lidingö (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEINO, Hannu, Juhani** [FI/FI]; Kalastajankuja 8 E 35, FIN–02230 Espoo (FI). **HOLMBERG, Anna, Linnea** [SE/SE]; Odenvägen 12, S–181 32 Lidingö (SE).

(74) **BORENIUS & CO. OY AB**; Kansakoulukuja 3, FIN–00100 Helsinki (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24662** (13) A1

(21) PCT/FI98/00874

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) fi (26) en

(31) 974192 (32) **11 Nov/nov 1997 (11.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D21D 5/02, 5/24**

(54) • METHOD AND APPARATUS FOR TREATMENT OF FIBER SUSPENSION
• PROCEDE ET APPAREIL DE TRAITEMENT D'UNE SUSPENSION DE FIBRES

(71) **AHLSTROM MACHINERY OY** [FI/FI]; Sentnerikuja 2, FIN–00440 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIETALA, Erkki** [FI/FI]; Rauhalankatu 9, FIN–48600 Karhula (FI). **HÄMÄLÄINEN, Ismo** [FI/FI]; Kimmonkatu 19, FIN–48700 Kyminlinna (FI).

(74) **AHLSTROM MACHINERY OY**; Patent Dept., P.O. Box 18, FIN–48601 Karhula (FI).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24663** (13) A1

(21) PCT/SE98/02018

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9704093–5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D21D 5/16**

(54) • SCREEN PANEL
• PLATINE D'EPURATION

(71) **SUNDS DEFIBRATOR INDUSTRIES AB** [SE/SE]; S–851 94 Sundsvall (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TOLVANEN, Mika** [FI/SE]; Åkervägen 21, S–683 34 Hagfors (SE).

(74) **SUNDQVIST, Hans**; Sunds Defibrator Industries AB, Strandbergsgatan 61, S–112 51 Stockholm (SE).

(81) BR 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)*

---

(11) **WO 99/24664** (13) A1

(21) PCT/US98/20630

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

(25) en (26) en

(31) 08/966,830 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D21F 3/02, 5/04**

(54) • HIGH TEMPERATURE PRESSING FOLLOWED BY HIGH INTENSITY DRYING
• PRESSAGE A HAUTE TEMPERATURE SUIVI D'UN SECHAGE A HAUTE INTENSITE

(71) **BELOIT TECHNOLOGIES, INC.** [US/US]; Suite 3001, 3513 Concord Pike, Wilmington, DE 19803 (US).

(72) **CROUSE, Jere, W.**; 4207 E. Criclewood Drive, Beloit, WI 53511 (US). **LENLING, William, J.**; 2141 Lakeland Avenue, Madison, WI 53704 (US).

(74) **ARCHER, David, J.**; Beloit Corporation, One St. Lawrence Avenue, Beloit, WI 53522 (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).

---

(11) **WO 99/24665** (13) A1

(21) PCT/FI98/00870

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) fi (26) en

(31) 974199 (32) **11 Nov/nov 1997 (11.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D21F 5/00**

(54) • METHOD OF DRYING A FIBER WEB, AND ARRANGEMENT IN A FIBER WEB DRYING APPARATUS
• PROCEDE DE SECHAGE D'UNE NAPPE DE FIBRES ET ENSEMBLE POUR APPAREIL DE SECHAGE DE NAPPES DE FIBRES

(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) **VAINIO, Veli–Matti** [FI/FI]; Suvantokatu 1 E 21, FIN–33100 Tampere (FI).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24666** (13) A1

(21) PCT/JP98/05036

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/322292 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(31) 9/322296 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D21H 11/12, D21C 3/02, B41M 5/00**

(54) • LAMINATE COMPRISING TRANSPARENT PULP PAPER
• STRATIFIE COMPRENANT UNE PATE A PAPIER TRANSPARENTE

(71, 72) **MITA, Akio** [JP/JP]; 4–26–2, Nukui, Nerima–ku, Tokyo 176–0021 (JP).

(74) **IKEURA, Toshiaki** et al. / etc.; Room 113, Daiichi Nishiwaki Building, 58–10, Yoyogi 1–chome, Shibuya–ku, Tokyo 151–0053 (JP).

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

---

(11) **WO 99/24667** (13) A1

(21) PCT/US98/23930

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,012 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **D21H 17/14, 17/53, 21/22, D06M 13/224**

(54) • TISSUE PRODUCTS CONTAINING ESTERS OF POLYOXYETHYLENE ALKYL ETHER CARBOXYLIC ACIDS
• PRODUITS DE PAPIER OUATE CONTENANT DES ESTERS D'ACIDES CARBOXYLIQUES D'ETHER ALCOYLIQUE POLYOXYETHYLENIQUES

(71) **KIMBERLY–CLARK WORLDWIDE, INC.** [US/US]; 401 North Lake Street, Neenah, WI 54956 (US).

(72) **SCHROEDER, Wen, Zyo**; 3120 W. Capitol Drive, Appleton, WI 54914 (US).

(74) **CROFT, Gregory, E.** et al. / etc.; Kimberly–Clark Worldwide, Inc., 401 North Lake Street, Neenah, WI 54956 (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 : *(c)*

---

(11) **WO 99/24668** (13) A1

(21) PCT/SE98/01992

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) sv (26) en

(31) 9704061–2 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E01B 29/06**

(54) • A RAIL SLEEPER FASTENING AND RELEASING EQUIPMENT
• EQUIPEMENT POUR PLACER ET RETIRER DES TRAVERSES DE CHEMIN DE FER

(71) **A. ROSENQUIST FÖRVALTNINGS AB** [SE/SE]; P.O. Box 335, S–824 27 Hudiksvall (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROSENQVIST, Carl, Anders** [SE/SE]; Slasta 24, S–824 93 Hudiksvall (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 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 GW ML MR NE SN TD TG).

---

(11) **WO 99/24669** (13) A1

(21) PCT/SE98/01993

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) sv (26) en

(31) 9704062–0 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E01B 29/24**

(54) • AN ARRANGEMENT FOR BRINGING A CLAMPING ELEMENT FROM A FASTENING POSITION TO A RELEASED POSITION
• ASSEMBLAGE POUR FAIRE PASSER UN DISPOSITIF DE PREHENSION D'UNE POSITION D'ASSEMBLAGE A UNE POSITION DE RELACHEMENT

(71) **A. ROSENQUIST FÖRVALTNINGS AB** [SE/SE]; P.O. Box 335, S–824 27 Hudiksvall (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOLMBERG, Lars, Erne** [SE/SE]; Malsta 7546, S–824 00 Hudiksvall (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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24670** (13) A1

(21) PCT/AT98/00246

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) de (26) de

(31) GM 702/97 (32) **11 Nov/nov 1997 (11.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E01F 8/00**

(54) • SOUNDPROOF WALL
• MUR ANTIBRUIT

(71) **VELOX WERK GESELLSCHAFT MBH** [AT/AT]; Dachberg 10, A–9422 Maria Rojach (AT).

(72) **FABBRO, René**; Neufeldweg 7, A–9586 Fürnitz (AT).

(74) **BEER, Manfred** et al. / etc.; Lindengasse 8, A–1070 Wien (AT).

(81) CZ HR HU PL SI SK; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24671** (13) A1

(21) PCT/US98/05929

(22) **24 Mar/mar 1998 (24.03.1998)**

(25) en (26) en

(31) 08/968,199 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E01F 9/012**

(54) • MULTICOLORED RETROREFLECTIVE BANDED SLEEVE FOR A TRAFFIC DEVICE AND METHOD OF MAKING
• MANCHON A BANDES RETROREFLECHISSANT MULTICOLORE UTILE POUR DISPOSITIF DE SIGNALISATION ROUTIERE ET PROCEDE DE FABRICATION

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **BOYD, William, C.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **OLSON, Peter, L.** 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 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 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).

---

(11) **WO 99/24672** (13) A1

(21) PCT/AU97/00752

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E01F 9/013, E04H 12/22**

(54) • SUPPORT POST SECURING SYSTEM
• SYSTEME DE FIXATION D'UN MONTANT DE SOUTIEN

(71, 72) **KASTEN, Brian, John** [AU/AU]; 52 Oswald Street, Innaloo, W.A. 6018 (AU).

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

Published / Publiée : *(a)*

---

(11) **WO 99/24673** (13) A1

(21) PCT/EP98/04891

(22) **6 Aug/août 1998 (06.08.1998)**

(25) de (26) de

(31) 297 19 833.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(31) 298 04 162.6 (32) **9 Mar/mar 1998 (09.03.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E01F 9/018, 9/012**

(54) • BEACON USED AS A GUIDING DEVICE, ESPECIALLY FOR ROAD TRAFFIC
• BALISE UTILISEE COMME DISPOSITIF DE GUIDAGE, NOTAMMENT POUR LE TRAFIC ROUTIER

(71, 72) **JUNKER, Wilhelm** [DE/DE]; Reutlinger Strasse 14, D–71522 Backnang (DE).

(74) **ROST, Jürgen**; Bardehle, Pagenberg, Dost, Altenburg, Geissler, Isenbruck, Postfach 86 06 20, D–81633 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24674** (13) A1

(21) PCT/EP97/06749

(22) **2 Dec/déc 1997 (02.12.1997)**

(25) de (26) de

(31) 297 19 833.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E01F 13/08, 9/018**

(54) • BEACON USED AS A GUIDING DEVICE, ESPECIALLY FOR ROAD TRAFFIC
• POTEAU UTILISE COMME DISPOSITIF DE GUIDAGE ET DESTINE NOTAMMENT A LA CIRCULATION ROUTIERE

(71, 72) **JUNKER, Wilhelm** [DE/DE]; Reutlinger Strasse 14, D–71522 Backnang (DE).

(74) **ROST, Jürgen**; Bardehle, Pagenberg, Dost, Altenburg, Frohwitter, Geissler & Partner, Postfach 86 06 20, D–81633 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 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24675** (13) A1

(21) PCT/CH98/00472

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 2550/97 (32) **5 Nov/nov 1997 (05.11.1997)** (33) CH

(31) 1745/98 (32) **26 Aug/août 1998 (26.08.1998)** (33) CH

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E02B 3/10, 7/44**

(54) • PROTECTIVE ELEMENTS, DEVICES COMPRISING SAID ELEMENTS AND METHOD FOR PROTECTING A ZONE AGAINST FLOODS AND AVALANCHES
• ELEMENTS DE PROTECTION, DISPOSITIFS COMPRENANT DE TELS ELEMENTS ET PROCEDE POUR PROTEGER UNE ZONE CONTRE LES CRUES OU LES AVALANCHES

(71, 72) **SCHEIBE, Klaus, Wolfgang** [DE/CH]; Seestrasse 361, Postfach 1112, CH–8038 Zürich (CH).

(74) **R.A. EGLI & CO.**; Horneggstrasse 4, Postfach, CH–8034 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24676** (13) A1

(21) PCT/NL98/00643

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 1007476 (32) **7 Nov/nov 1997 (07.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E02D 5/10, B28B 1/08, 1/26, E02D 5/44**

(54) • METHOD OF MANUFACTURING A REINFORCED OBLONG CONCRETE PRODUCT FOR LONGITUDINAL LOAD–BEARING PURPOSES, AND A DRIVEN PILE
• PROCEDE DE FABRICATION D'ELEMENTS DE BETON OBLONGS RENFORCES POUR STRUCTURES PORTEUSES LONGITUDINALES, ET PIEU DE FONDATION

(71, 72) **PETERS, Peter, Cornelis** [NL/NL]; Naarderweg 22, NL–1261 BT Blaricum (NL).

(74) **ALTENBURG, Bernardus, Stephanus, Franciscus**; Octrooibureau Los En Stigter B.V., Weteringschans 96, NL–1017 XS Amsterdam (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24677** (13) A1

(21) PCT/US98/17495

(22) **24 Aug/août 1998 (24.08.1998)**

(25) en (26) en

(31) 08/966,282 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E02D 29/02**

(54) • APPARATUS AND METHOD FOR SECURING SOIL REINFORCING ELEMENTS TO EARTHEN RETAINING WALL COMPONENTS
• APPAREIL ET PROCEDE SERVANT A FIXER DES ELEMENTS DE RENFORCEMENT DE SOL A DES ELEMENTS DE PAROI DE RETENUE EN TERRE

(71, 72) **TAYLOR, Thomas, P.** [US/US]; 2500 Cranberry Lane, Euless, TX 76039 (US). **HILFIKER, William, K.** [US/US]; 3718 Lakeridge Drive, Grapevine, TX 76051 (US).

(74) **UILKEMA, John, K.** 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 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 : *(c)*

---

(11) **WO 99/24678** (13) A1

(21) PCT/MX98/00051

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) es (26) es

(31) 978909 (32) **10 Nov/nov 1997 (10.11.1997)** (33) MX

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E03C 1/324**

(54) • IMPROVEMENTS TO A FITTED MOBILE WASH–BASIN
• AMELIORATIONS APPORTEES A UN LAVABO ENCASTRABLE ET MOBILE

(71, 72) **CARLOS PRONE, Jesús Antonio** [MX/MX]; Calle Ramón Corona #64 Sur, Colonia Centro, Torreón, Coahuila 27000 (MX).

(81) AU BG BR CA CN CU IL IS JP KR NO NZ PL SG US; 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 : *(c)*

---

(11) **WO 99/24679** (13) A1

(21) PCT/US98/23972

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723785.3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E03D 9/02**

(54) • DISPENSING DEVICE
• DISTRIBUTEUR

(71) **S.C. JOHNSON & SON, INC.** [US/US]; 1525 Howe Street, Racine, WI 53403 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **THOMPSON, Guy, R.** [GB/GB]; 17 Gleneagles Drive, Southwood, Farnborough, Hants GU14 0PH (GB).

(74) **BOZEK, Laura, L.** et al. / etc.; S.C. Johnson & Son, Inc., Patent Section, 1525 Howe Street, Racine, WI 53403 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24680** (13) A1

(21) PCT/EP98/06941

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) A 1869/97 (32) **5 Nov/nov 1997 (05.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E03F 5/14, E02B 8/02**

(54) • SCREEN RAKE
• GRILLE DE CRIBLAGE

(71) **ANDRITZ–PATENTVERWALTUNGS–GESELLSCHAFT MBH** [AT/AT]; Stattegger Strasse 18, A–8045 Graz (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOHL, Jürgen** [DE/DE]; Forellenweg 17a, D–56235 Ransbach (DE).

(74) **SCHWEINZER, Friedrich**; Stattegger Strasse 18, A–8045 Graz (AT).

(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).

Published / Publiée : *(c)*

---

(11) **WO 99/24681** (13) A1

(21) PCT/IB98/01780

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) fr (26) fr

(31) 2574/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) CH

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E04B 5/48, 1/18**

(54) • SYSTEM FOR SUPPORTING A BUILDING AND FOR DISPENSING AIR, GAS, LIQUID OR FOR PASSING CABLES IN SAID BUILDING
• SYSTEME DE SOUTENEMENT D'EDIFICE ET DE DISTRIBUTION, DANS CET EDIFICE, D'AIR, DE GAZ, DE LIQUIDE, OU DE CABLES

(71, 72) **SPOEHRLE, Georges** [CH/CH]; 5, place des Aviateurs, CH–1228 Plan–les–Ouates (CH).

(74) **KÜGELE, Bernhard** et al. / etc.; Novapat International S.A., 9, rue du Valais, CH–1202 Genève (CH).

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

---

(11) **WO 99/24682** (13) A1

(21) PCT/NO98/00331

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 19975108 (32) **6 Nov/nov 1997 (06.11.1997)** (33) NO

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E04C 2/36, E04B 1/94 // B32B 3/12**

(54) • HEAT RESISTANT COMPOSITE PANELS
• PANNEAU AGGLOMERE RESISTANT A LA CHALEUR

(71, 72) **BJØRDAL, Geir, Petter** [NO/NO]; Myrlandsveien 2, N–6012 Alesund (NO).

(74) **VINDENES, Magne**; Rådyrveien 44, N–4622 Kristiansand (NO).

(81) AT AU BR BY CA CH CN CZ DE DK EE ES FI GB HR HU IL IS JP KR KZ LT LU LV MD MX NO NZ PL PT RO RU SE SG SI SK TR UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24683** (13) A1

(21) PCT/GB98/03319

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 97/9992 (32) **6 Nov/nov 1997 (06.11.1997)** (33) ZA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E04H 4/16**

(54) • A DEVICE FOR CLEANING A SUBMERGED SURFACE
• DISPOSITIF DE NETTOYAGE D'UNE SURFACE IMMERGEE

(71) **COPPING, Charles, Montague** [ZA/ZA]; No. 3 Beta Close (Off Beta Road), Bakoven 8001, Cape Town (ZA).
(for all designated States except / pour tous les États désignés sauf US)

(71) **SKONE JAMES, Robert, Edmund** [GB/GB]; Gill Jennings & Every, Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).
(only for / seulement pour IS)

(71, 72) **VOS, Richard, Victor** [ZA/ZA]; 31 Dirk Road, Northwold 2155 (ZA). **STYGER, John, Errol** [ZA/ZA]; 32B Denise Road, Buccleuch 2066, Sandton (ZA).

(74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24684** (13) A1

(21) PCT/JP97/04075

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) ja (26) ja

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E04H 15/20**

(54) • SHEET ROOF STRUCTURE
• STRUCTURE DE TOITURE EN TOLE

(71) **WORLD FUSION LIMITED** [CN/CN]; Prince's Building, 22nd floor, 10 Chater Road, Central, Hong Kong (CN).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SUGIURA, Tsukasa** [JP/JP]; 41–1, Aza–iyasaka, Oaza–miyoshi, Miyoshi–cho, Nishikamo–gun, Aichi 470–02 (JP).

(74) **KIYOHARA, Yoshihiro**; 2–26, Dojima 2–chome, Kita–ku, Osaka–shi, Osaka 530 (JP).

(81) AU CN ES KR MX PT SG TR US.

---

(11) **WO 99/24685** (13) A1

(21) PCT/EP98/06924

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 49 329.7 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E05B 17/04**

(54) • LOCKING DEVICE WITH A KEY–ACTIVATED CYLINDER CORE
• DISPOSITIF DE VERROUILLAGE COMPORTANT UNE PARTIE CENTRALE DE CYLINDRE ACTIONNABLE PAR UNE CLEF

(71) **HUF HÜLSBECK & FÜRST GMBH & CO. KG** [DE/DE]; Steeger Strasse 17, D–42551 Velbert (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GEURDEN, Armin** [DE/DE]; Kirchstrasse 3, D–47929 Grefrath (DE).

(74) **MENTZEL, Norbert**; Kleiner Werth 34, D–42275 Wuppertal (DE).

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

---

(11) **WO 99/24686** (13) A1

(21) PCT/CA98/01033

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/967,778 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E05C 17/48, 17/38, 1/04, 1/06, 9/02**

(54) • DOOR LOCKING DEVICE
• DISPOSITIF DE FERMETURE POUR PORTE

(63) US 08/967,778 (CON) 10 Nov/nov 1997 (10.11.1997)

(71) **WELLS, Michael** [CA/CA]; 795 Strouds Lane, Pickering, Ontario L1V 3M2 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **DEL NIN, Louis, F.** [CA/CA]; 9 Lofthouse Square, Scarborough, Ontario M1W 2E1 (CA).

(74) **RICHES, McKENZIE & HERBERT**; Suite 2900, 2 Bloor Street East, Toronto, Ontario M4W 3J5 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24687** (13) A1

(21) PCT/US98/23684

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/065,269 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) Not furnished / non communiqué (32) **6 Nov/nov 1998 (06.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E06C 1/14**

(54) • JOINTS AND LADDERS CONTAINING SUCH JOINTS
• ARTICULATIONS ET ECHELLES COMPORTANT LESDITES ARTICULATIONS

(71) **CONFER PLASTICS, INC.** [US/US]; Witmer & River Roads, N. Tonawanda, NY 14150 (US).

(72) **LIPNIARSKI, David, J.**; 1205 Moll, North Tonawanda, NY 14120 (US).

(74) **McCARTHY, Kevin, D.** et al. / etc.; Hodgson, Russ, Andrews, Woods & Goodyear, 1800 One M & T Plaza, Buffalo, NY 14203–2391 (US).

(81) AU; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24688** (13) A2

(21) PCT/US98/24012

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,176 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E21B**

(54) • ADJUSTABLE STABILIZER FOR DIRECTIONAL DRILLING
• STABILISATEUR REGLABLE POUR FORAGE DIRECTIONNEL

(71) **TELEJET TECHNOLOGIES, INC.** [US/US]; Suite 1210, 3030 LBJ Freeway, Dallas, TX 75234 (US).

(72) **SCHUH, Frank, J.**; 5805 Wavertree Lane, Plano, TX 75093 (US).

(74) **BRADLEY, James, E.** et al. / etc.; Felsman, Bradley, Gunter & Dillon, L.L.P., Suite 1600, 201 Main Street, Fort Worth, TX 76102 (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).

---

(11) **WO 99/24689** (13) A1

(21) PCT/US98/16645

(22) **11 Aug/août 1998 (11.08.1998)**

(25) en (26) en

(31) 08/966,629 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E21B 15/04, 7/08, 43/01**

(54) • ASSEMBLY AND PROCESS FOR DRILLING AND COMPLETING MULTIPLE WELLS
• ENSEMBLE ET PROCEDE UTILES POUR FORER ET COMPLETER DE MULTIPLES PUITS

(71) **MARATHON OIL COMPANY** [US/US]; 539 South Main Street, Findlay, OH 45840 (US).

(72) **COLLINS, Gary, J.**; 2211 Landscape Way, Richmond, TX 77469 (US).

(74) **HUMMEL, Jack, L.** et al. / etc.; Marathon Oil Company, P.O. Box 269, Littleton, CO 80160–0269 (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).

---

(11) **WO 99/24690** (13) A1

(21) PCT/NZ98/00158

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 329151 (32) **10 Nov/nov 1997 (10.11.1997)** (33) NZ

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E21B 17/10**

(54) • A FRICTION REDUCING TOOL
• OUTIL DE REDUCTION DU FROTTEMENT

(71) **AUSTOIL TECHNOLOGY LIMITED** [NZ/NZ]; 6th floor, 369 Queen Street, Auckland (NZ).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MURRAY, Geoffrey, Neil** [NZ/NZ]; 249 Upland Road, R.D. 2, New Plymouth (NZ).

(74) **HAWKINS, Michael, Howard** et al. / etc.; Baldwin Shelston Waters, NCR Building, 342 Lambton Quay, Wellington (NZ).

(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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24691** (13) A1

(21) PCT/GB98/03315

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723460.3 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E21B 23/14**

(54) • RECIPROCATING RUNNING TOOL
• OUTIL ALTERNATIF

(71) **OMEGA COMPLETION TECHNOLOGY LIMITED** [GB/GB]; Unit 50, Howe Moss Avenue, Kirkhill Industrial Estate, Dyce, Aberdeen AB2 0GP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BUYERS, Mark** [GB/GB]; Omega Completion Technology Limited, Unit 50, Howe Moss Avenue, Kirkhill Industrial Estate, Dyce, Aberdeen AB2 0GP (GB). **FRASER, Simon, Benedict** [GB/GB]; Omega Completion Technology Limited, Unit 50, Howe Moss Avenue, Kirkhill Industrial Estate, Dyce, Aberdeen AB2 0GP (GB).

(74) **ORR, William, McLean**; Urquhart–Dykes & Lord, Tower House, Merrion Way, Leeds LS2 8PA (GB).

(81) AU BR CA GB NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24692** (13) A1

(21) PCT/GB98/03280

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9723581.6 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E21B 33/05, 33/16**

(54) • PLUG FOR USE IN WELLBORE OPERATIONS AND APPARATUS FOR LAUNCHING SAID PLUG
• BOUCHON DESTINE A ETRE UTILISE DANS DES OPERATIONS DE FORAGE DE PUITS ET APPAREIL SERVANT A INTRODUIRE CE BOUCHON

(71) **WEATHERFORD/LAMB, INC. c/o CSC – The United States Corporation Company** [US/US]; 1013 Centre Road, Wilmington, DE 19805 (US). **LUCAS, Brian, Ronald** [GB/GB]; 135 Westhall Road, Warlingham, Surrey CR6 9HJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GUDMESTAD, Tarald** [NO/NO]; Hoyland, N–4350 Naerbo (NO). **TILTON, Frederick, Thomas** [US/US]; 3414 Rolling Terrace, Spring, TX 77388 (US).

(74) **LUCAS, Brian, Ronald**; Lucas & Co., 135 Westhall Road, Warlingham, Surrey CR6 9HJ (GB).

(81) AU CA CN JP NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24693** (13) A1

(21) PCT/US98/23647

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,582 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E21B 43/26**

(54) • VISCOELASTIC SURFACTANT FRACTURING FLUIDS AND A METHOD FOR FRACTURING SUBTERRANEAN FORMATIONS
• FLUIDES TENSIOACTIFS VISCOELASTIQUES DE FRACTURATION ET PROCEDE DE FRACTURATION DE FORMATIONS SOUTERRAINES

(71, 72) **WHALEN, Robert, T.** [US/US]; 2135 Arlington Avenue, Baton Rouge, LA 70808 (US).

(74) **DELAUNE, Warner, J.**; Domingue, Delaune & Waddell, Suite A–2, 8017 Jefferson Highway, Baton Rouge, LA 70809–1681 (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 : *(c)*

---

(11) **WO 99/24694** (13) A1

(21) PCT/NL98/00642

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) nl (26) en

(31) 1007467 (32) **6 Nov/nov 1997 (06.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E21C 37/18, E21B 7/15, F42D 3/04**

(54) • METHOD AND DEVICE FOR CRUSHING ROCK, MANIPULATOR TO BE USED IN SUCH A DEVICE, ASSEMBLY OF A HOUSING AND A WIRE CONDUCTOR PLACED THEREIN, AND ASSEMBLY OF A HOUSING AND A MEANS PLACED THEREIN
• PROCEDE ET DISPOSITIF DE CONCASSAGE DE ROCHE, MANIPULATEUR A UTILISER DANS CE DISPOSITIF, SYSTEME DE LOGEMENT ET DE CONDUCTEUR FILAIRE PLACE DANS CE LOGEMENT, ET SYSTEME DE LOGEMENT ET D'ORGANE PLACE DANS CE LOGEMENT

(71) **BAGGERMAATSCHAPPIJ BOSKALIS B.V.** [NL/NL]; Rosmolenweg 20, Postbus 43, NL–3350 AA Papendrecht (NL). **BALLAST NEDAM BAGGEREN B.V.** [NL/NL]; Utrechtseweg 62, Postbus 149, NL–3700 AC Zeist (NL). **HOLLANDSCHE AANNEMING MAATSCHAPPIJ B.V.** [NL/NL]; Rivium Quadrant 2, NL–2909 LC Capelle aan der IJssel (NL). **VAN OORD ACZ B.V.** [NL/NL]; Jan Blankenweg 2, Postbus 458, NL–4200 AL Gorinchem (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VLASBLOM, Willem, Jacobus** [NL/NL]; Kerverslaan 1a, NL–1911 SH Uitgeest (NL). **KOLKERT, Willem, Johannes** [NL/NL]; Sowetostraat 24, NL–2622 LA Delft (NL).

(74) **FERGUSON, Alexander**; Octrooibureau Vriesendorp & Gaade, P.O. Box 266, NL–2501 AW The Hague (NL).

(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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/24695** (13) A1

(21) PCT/AU98/00920

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) PP 0340 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **E21F 13/00, 17/04**

(54) • TRANSPORT APPARATUS FOR USE IN MINES
• APPAREIL DE TRANSPORT DESTINE AUX MINES

(71) **MACQUARIE MANUFACTURING PTY. LTD.** [AU/AU]; 6 Immarna Road, Rathmines, NSW 2283 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **McDONOUGH, Edward, John** [AU/AU]; 6 Immarna Road, Rathmines, NSW 2282 (AU).

(74) **SMEETON, Anthony, Richard**; Davies Collison Cave, Level 10, 10 Barrack Street, Sidney, NSW 2000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24696** (13) A1

(21) PCT/NZ98/00159

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 329166 (32) **12 Nov/nov 1997 (12.11.1997)** (33) NZ

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F01B 13/04, 13/06, F02B 57/08**

(54) • RADIAL MOTOR/PUMP
• MOTEUR/POMPE RADIAL(E)

(71) **GEMTECH CORPORATION LIMITED** [NZ/NZ]; 435 Khyber Pass Road, Newmarket, Auckland (NZ).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WONDERGEM, Anthony, Leonardus** [NZ/AU]; 9 Cootharaba Road, Helensvale, Gold Coast, QLD (AU).

(74) **PIPER, James, William** et al. / etc.; James W Piper & Co., North Shore, 8 Anzac Street, Takapuna, P.O. Box 331–153, North Shore City (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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24697** (13) A1

(21) PCT/US98/22136

(22) **20 Oct/oct 1998 (20.10.1998)**

(25) en (26) en

(31) 08/966,394 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F01K 13/00, 17/02**

(54) • INTEGRATED COGENERATION SYSTEM AND BEVERAGE MANUFACTURE SYSTEM
• SYSTEME DE COGENERATION INTEGRE ET SYSTEME DE FABRICATION DE BOISSON

(71) **THE COCA–COLA COMPANY** [US/US]; One Coca–Cola Plaza, N.W., Atlanta, GA 30313 (US).

(72) **HEAF, Nicholas, John**; Apartment 3905, 1280 West Peachtree Street, Atlanta, GA 30309 (US).

(74) **PAPPAS, Peter, G.** et al. / etc.; Jones & Askew, LLP, 37th floor, 191 Peachtree Street, N.E., Atlanta, GA 30303 (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).

---

(11) **WO 99/24698** (13) A1

(21) PCT/DE98/03153

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 49 452.8 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F01K 13/02, F22G 5/12**

(54) • FAST POWER REGULATING PROCESS FOR A STEAM GENERATING POWER PLANT AND STEAM GENERATING POWER PLANT
• PROCEDE PERMETTANT DE REGULER RAPIDEMENT LA PUISSANCE D'UNE CENTRALE THERMIQUE A VAPEUR ET CENTRALE THERMIQUE A VAPEUR

(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) **KALLINA, Günter** [DE/DE]; Vogesenstrasse 8, D–76337 Waldbronn (DE). **KRAL, Rudolf** [DE/DE]; Weinhofer Strasse 27, D–90518 Altdorf (DE). **WITTCHOW, Eberhard** [DE/DE]; Schronfeld 96, D–91054 Erlangen (DE).

(74) **SIEMENS AG**; Postfach 22 16 34, D–80506 München (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24699** (13) A1

(21) PCT/EP98/06966

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 364.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F01M 11/10, G07C 5/00**

(54) • METHOD AND DEVICE FOR MONITORING AND/OR DETERMINING MOTOR OIL QUALITY
• PROCEDE ET DISPOSITIF POUR SURVEILLER ET/OU DETERMINER LA QUALITE D'UNE HUILE DE MOTEUR

(71) **VOLKSWAGEN AKTIENGESELLSCHAFT** [DE/DE]; D–38436 Wolfsburg (DE). **MOBIL SCHMIERSTOFF GMBH** [DE/DE]; Überseering 2, D–22297 Hamburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PICKERT, Detlef** [DE/DE]; Stendaler Strasse 11, D–38448 Wolfsburg (DE). **SCHUMACHER, Volker** [DE/DE]; Sandweg 7a, D–38524 Sassenburg (DE). **SÖLTER, Harald** [DE/DE]; Kreuzstrasse 43, D–38118 Braunschweig (DE). **VÖLTZ, Martin** [DE/DE]; Hans–Scharoun–Weg 3c, D–22844 Norderstedt (DE).

(74) **VOLKSWAGEN AKTIENGESELLSCHAFT**; Brieffach 1770, D–38436 Wolfsburg (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)*

---

(11) **WO 99/24700** (13) A1

(21) PCT/EP98/07048

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 379.3 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F01N 3/28, B01J 35/04**

(54) • CATALYTIC CONVERTER SUPPORTED BODY WITH OPEN HEAT RADIATING AREAS
• CORPS CONSTITUE D'UN CATALYSEUR ET D'UN SUPPORT

(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) **DIEWALD, Robert** [AT/DE]; Am Steinbruch 1A, D–53721 Siegburg (DE). **BRÜCK, Rolf** [DE/DE]; Fröbelstrasse 12, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24701** (13) A1

(21) PCT/SE98/01985

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) sv (26) en

(31) 9704087–7 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F01P 7/16, F16K 31/64**

(54) • THERMOSTAT VALVE
• SOUPAPE DE THERMOSTAT

(71) **VOLVO LASTVAGNAR AB** [SE/SE]; S–405 08 Göteborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LANGERVIK, Lennart** [SE/SE]; Galeasvägen 21, S–439 35 Onsala (SE). **KETTUNEN, Simo** [SE/SE]; Hagåkersgatan 4B, S–431 41 Mölndal (SE). **MÅRTENSSON, Thord** [SE/SE]; Smaragdvägen34, S–442 60 Kode (SE).

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

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

---

(11) **WO 99/24702** (13) A1

(21) PCT/EP98/07227

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 830.2 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02B 27/02**

(54) • INDUCTION PIPE WITH INSERTABLE COMPONENTS
• COLLECTEUR D'ADMISSION DOTE D'ELEMENTS D'INSERTION

(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) **DOBUSCH, Heinz** [DE/DE]; Kirchenweinbergstrasse 95, D–71672 Marbach (DE). **LEIPELT, Rudolf** [DE/DE]; Fohlenbergstrasse 7/1, D–71672 Marbach (DE). **PAFFRATH, Holger** [DE/DE]; In der Gerste 12, D–71636 Ludwigsburg (DE).

(74) **VOTH, Gerhard**; Filterwerk Mann+Hummel GmbH, D–71631 Ludwigsburg (DE).

(81) BR CA 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)*

---

(11) **WO 99/24703** (13) A1

(21) PCT/IB97/01409

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) fr (26) fr

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02B 75/24, 75/22**

(54) • SINGLE–ROD PENDULAR ENGINE
• MOTEUR MONOTIGE–PENDULAIRE

(71, 72) **NIJEGORODTSEV, Oleg** [RU/RU]; ul. Kalinina, 54–59, Moskovskaya obl., Voskresensk, 140200 (RU).

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

---

(11) **WO 99/24704** (13) A1

(21) PCT/CH98/00466

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 97810864.5 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02C 1/04, 6/18, 7/08, 6/00, F04F 5/04**

(54) • DEVICE FOR PRODUCING ENERGY BY MEANS OF A TURBO–MACHINE
• DISPOSITIF DE PRODUCTION D'ENERGIE AU MOYEN D'UNE TURBOMACHINE

(71) **ASEA BROWN BOVERI AG** [CH/CH]; Haselstrasse 16, CH–5401 Baden (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KELLER, Jakob** [CH/CH]; Lindenbergstrasse 5, CH–5610 Wohlen (CH).

(74) **ASEA BROWN BOVERI AG**; TEI–Immaterialgüterrecht, Haselstrasse 16, CH–5401 Baden (CH).

(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 GW ML MR NE SN TD TG).

---

(11) **WO 99/24705** (13) A2

(21) PCT/DE98/03193

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 48 745.9 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02D**

(54) • PROCESS FOR OPERATING AN INTERNAL COMBUSTION ENGINE, IN PARTICULAR OF A MOTOR VEHICLE
• PROCEDE D'EXPLOITATION D'UN MOTEUR A COMBUSTION INTERNE, EN PARTICULIER, DE VEHICULE AUTOMOBILE

(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) **LANGER, Winfried** [DE/DE]; Fliederweg 7, D–71706 Markgroeningen (DE).

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

---

(11) **WO 99/24706** (13) A1

(21) PCT/AT98/00265

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) A 1878/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02F 7/00, F16C 9/02**

(54) • CRANKSHAFT HOUSING FOR INTERNAL COMBUSTION ENGINE
• CARTER DE VILEBREQUIN DESTINE A UN MOTEUR A COMBUSTION INTERNE

(71) **BOMBARDIER–ROTAX GESELLSCHAFT MBH** [AT/AT]; Welser Strasse 32, A–4623 Gunskirchen (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DOPONA, Michael** [AT/AT]; Sipbachzellerstrasse 34, A–4550 Kremsmünster (AT).

(74) **HÜBSCHER, Gerhard** et al. / etc.; Spittelwiese 7, A–4020 Linz (AT).

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

---

(11) **WO 99/24707** (13) A1

(21) PCT/DE98/02143

(22) **29 Jul/juil 1998 (29.07.1998)**

(25) de (26) de

(31) 197 49 471.4 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02M 31/18, 69/32**

(54) • FUEL EVAPORATING DEVICE
• DISPOSITIF D'EVAPORATION DE CARBURANT

(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) **KNETSCH, Manfred** [DE/DE]; Ludwigsburgerstrasse 23, D–71229 Leonberg (DE). **EICHENDORF, Andreas** [DE/DE]; Paulinenstrasse 11/1, D–73614 Schorndorf (DE). **VOGEL, Christof** [DE/DE]; Sandstrasse 12, D–96120 Bischberg (DE).

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

---

(11) **WO 99/24708** (13) A1

(21) PCT/EP98/07245

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) de (26) de

(31) 197 50 102.8 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02M 35/12, F16L 55/033**

(54) • CROSS–FLOWN GAS LINE WITH A SOUND ABSORBENT EFFECT
• CONDUITE PARCOURUE PAR DES GAZ, A EFFET D'ABSORPTION DES SONS

(71) **STANKIEWICZ GMBH** [DE/DE]; Hannoversche Strasse 120, D–29352 Adelheidsdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GERSTNER, Ralph** [DE/DE]; Geibelstrasse 26, D–30173 Hannover (DE). **KUTTER–SCHRADER, Hans** [DE/DE]; Dorfstrasse 77, D–30916 Isernhagen (DE).

(74) **MELZER, Wolfgang**; Mitscherlich & Partner, Sonnenstrasse 33, D–80331 München (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)*

---

(11) **WO 99/24709** (13) A1

(21) PCT/MX98/00034

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

(25) es (26) es

(31) 978742 (32) **7 Nov/nov 1997 (07.11.1997)** (33) MX

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02M 37/22**

(54) • IMPROVED AND HIGH FLOW CAPACITY SEPARATOR INTENDED TO REMOVE THE WATER AND SOLIDS CONTAINED IN DIESEL FUEL
• APPAREIL SEPARATEUR D'EAU ET DE SOLIDES CONTENUS DANS DIESEL A HAUTE CAPACITE D'ECOULEMENT AMELIORE

(71, 72) **MONTEMAYOR UZETA, Luis Carlos** [MX/MX]; Avenida Topo Chico 801, Colonia Anáhuac, San Nicolás de los Garza, Nuevo León 66450 (MX).

(74) **AYALA TREVIÑO, César**; Paseo de los Nogales 805, Colonia Paseo de San Miguel, Guadalupe, Nuevo León 67110 (MX).

(81) AL AM AU BB BG BR CA CN CZ EE FI GE HU IS JP KG KP KR LK LR LS LT LV MD MG MK MN NO NZ PL PT RO SE SG SI TR TT UA 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).

---

(11) **WO 99/24710** (13) A1

(21) PCT/US98/23742

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/968,367 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F02M 59/36**

(54) • FUEL INJECTION PUMP WITH A HYDRAULICALLY–ACTUATED SPILL VALVE
• POMPE A INJECTION DE CARBURANT POURVUE D'UNE SOUPAPE DE DECHARGE A COMMANDE HYDRAULIQUE

(71) **CATERPILLAR INC.** [US/US]; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(72) **SPARKS, James, D.**; 229 E. Swords Drive, Edelstein, IL 61526–9605 (US). **RUTTLE, Dennis, M.**; 15 Old Farm Lane, Washington, IL 61571–9733 (US).

(74) **BRAM, Eric, M.** 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24711** (13) A1

(21) PCT/FI98/00868

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) fi (26) en

(31) 974195 (32) **11 Nov/nov 1997 (11.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F03C 1/047 // F04B 1/047, F01B 7/06**

(54) • RADIAL PISTON HYDRAULIC MOTOR
• MOTEUR HYDRAULIQUE A PISTONS RADIAUX

(71) **VALMET HYDRAULICS OY** [FI/FI]; P.O. Box 633, FIN–40101 Jyväskylä (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEINONEN, Mauno** [FI/FI]; Sienitie 2 C 59, FIN–40640 Jyväskylä (FI).

(74) **FORSSÉN & SALOMAA OY**; Yrjönkatu 30, FIN–00100 Helsinki (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24712** (13) A1

(21) PCT/EP98/06927

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 48 750.5 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F04B 1/04, 53/10**

(54) • RADIAL PISTON PUMP
• POMPE A PISTONS RADIAUX

(71) **ZF FRIEDRICHSHAFEN AG** [DE/DE]; D–88038 Friedrichshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REICHENMILLER, Michael** [DE/DE]; Danziger Strasse 18, D–73550 Waldstetten (DE).

(74) **ZF FRIEDRICHSHAFEN AG**; D–88038 Friedrichshafen (DE).

(81) 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)*

---

(11) **WO 99/24713** (13) A1

(21) PCT/EP98/07122

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 297.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(31) 198 00 747.7 (32) **12 Jan/jan 1998 (12.01.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F04B 9/04**

(54) • UNIT COMPRISED OF A MOTOR AND A RADIAL PISTON PUMP
• GROUPE CONSTITUE D'UN MOTEUR ET D'UNE POMPE A PISTONS RADIAUX

(71) **CONTINENTAL TEVES AG & CO. OHG** [DE/DE]; Guerickestrasse 7, D–60488 Frankfurt (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HENNEMANN, Karl–Heinz** [DE/DE]; Hanauer Weg 23, D–61352 Bad Homburg (DE). **WALTHER, Tobias** [DE/DE]; Schatthäuserstrasse 35, D–69168 Wiesloch (DE).

(74) **CONTINENTAL TEVES AG & CO. OHG**; Guerickestrasse 7, D–60488 Frankfurt (DE).

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

---

(11) **WO 99/24714** (13) A1

(21) PCT/CA98/01053

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 965,969 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F04B 15/08, 25/02**

(54) • HIGH PRESSURE FUEL SUPPLY SYSTEM FOR NATURAL GAS VEHICLES
• SYSTEME D'ALIMENTATION EN CARBURANT HAUTE PRESSION POUR VEHICULES AU GAZ NATUREL

(71) **WESTPORT RESEARCH INC.** [CA/CA]; 1000 – 543 Granville Street, Vancouver, British Columbia V6C 1X6 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GRAM, Anker** [CA/CA]; 1280 Arbutus Street, Vancouver, British Columbia V6J 3W6 (CA). **NOBLE, Stephen, Duncan** [CA/CA]; 2426 Nelson Avenue, West Vancouver, British Columbia V7V 2R4 (CA).

(74) **OYEN, Gerald, O., S.**; #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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24715** (13) A1

(21) PCT/IB98/01759

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 727.6 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F04B 27/10**

(54) • PISTON ENGINE WITH A PIVOTING DISK TRANSMISSION
• MOTEUR A PISTONS AVEC ENTRAINEMENT PAR DISQUE DE VERROUILLAGE

(71) **OBRIST ENGINEERING GMBH** [AT/AT]; Rheinstrasse 26–27, A–6890 Lustenau (AT). **DAIMLER–BENZ AKTIENGESELLSCHAFT** [DE/DE]; Epplestrasse 225, D–70546 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUHN, Peter** [DE/DE]; Prankelstrasse 61, D–69469 Weinheim (DE). **CÄSAR, Roland** [DE/DE]; Stirnenweg 5, D–70338 Stuttgart (DE). **OBRIST, Frank** [AT/AT]; Gerbergasse 22a, A–6850 Dornbirn (AT).

(74) **QUEHL, Horst**; Ringstrasse 7, Postfach 223, CH–8274 Tägerwilen (CH).

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

---

(11) **WO 99/24716** (13) A1

(21) PCT/NZ98/00164

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 329143 (32) **10 Nov/nov 1997 (10.11.1997)** (33) NZ

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F04C 2/04, 18/04, F01C 1/04**

(54) • PUMP
• POMPE

(71) **JENKINS, Graeme, Reid** [GB/GB]; Flat Bush School Road, RD Papatoetoe, Auckland 1730 (NZ).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TRIEZENBERG, Michael, John** [NZ/NZ]; 158 Prince Regent Drive, Pakuranga, Auckland 1706 (NZ).

(74) **KRAEMER, Michael, Herman**; P.O. Box 874, Papakura 1730 (NZ).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24717** (13) A1

(21) PCT/EP98/06917

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 48 907.9 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F04C 15/04, E21B 43/12, F04B 47/02**

(54) • DRIVE HEAD FOR A ROTARY–DRIVEN ROD ASSEMBLY, ESPECIALLY FOR DRIVING A SAND PUMP
• TETE D'ENTRAINEMENT POUR TIGES ENTRAINEES EN ROTATION, NOTAMMENT POUR ENTRAINER UNE POMPE DE FORAGE

(71) **NETZSCH–MOHNOPUMPEN GMBH** [DE/DE]; Liebigstrasse 28, D–84478 Waldkraiburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HANTSCHK, Günther** [DE/DE]; Tannenweg 35, D–84478 Waldkraiburg (DE).

(74) **GOETZ, Rupert**; Wuesthoff & Wuesthoff, Schweigerstrasse 2, D–81541 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24718** (13) A1

(21) PCT/US98/20245

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

(31) 08/965,590 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F04C 18/02, 29/04, 29/02**

(54) • HERMETIC SCROLL COMPRESSOR
• COMPRESSEUR A CYLINDRES HERMETIQUE

(71) **AMERICAN STANDARD INC.** [US/US]; P.O. Box 261, One Centennial Avenue, Piscataway, NJ 08855–6820 (US).

(72) **SMERUD, Scott, J.**; 1525 Main Street, La Crosse, WI 54601 (US). **CRUM, Daniel, R.**; 210 South 22nd Street, La Crosse, WI 54601 (US). **SIMMONS, Bill, P.**; 1535 South 31st Street, La Crosse, WI 54601 (US).

(74) **BERES, William, J.**; The Trane Company, 3600 Pammel Creek Road, La Crosse, WI 54601–7599 (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).

---

(11) **WO 99/24719** (13) A1

(21) PCT/EP97/06236

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F04D 5/00**

(54) • SIDE CHANNEL CENTRIFUGAL PUMP
• POMPE A CANAL LATERAL ET FLUX CIRCONFERENTIEL

(71) **STERLING FLUID SYSTEMS (GERMANY) GMBH** [DE/DE]; Lindenstrasse 170, D–25524 Itzehoe (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FANDREY, Peter** [DE/DE]; Nordmarkstrasse 49, D–25348 Glückstadt (DE).

(74) **GLAWE, DELFS, MOLL & PARTNER**; Rothenbaumchaussee 58, D–20148 Hamburg (DE).

(81) AU CA CZ NO NZ SG US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24720** (13) A1

(21) PCT/DE98/03050

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) de (26) de

(31) 197 49 639.3 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F15B 11/05**

(54) • HYDRAULIC CIRCUIT
• CIRCUIT 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) **RÜB, Winfried** [DE/DE]; Am Michaelsberg 16, D–97845 Neustadt am Main (DE).

(74) **WINTER, BRANDL et al.**; Patent– und Rechtsanwaltskanzlei, Alois–Steinecker–Strasse 22, D–85354 Freising (DE).

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

---

(11) **WO 99/24721** (13) A1

(21) PCT/US98/19792

(22) **22 Sep/sep 1998 (22.09.1998)**

(25) en (26) en

(31) 08/966,065 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F15B 13/044, F16K 31/06, H01F 3/00**

(54) • SOLENOID WITH VARIABLE MAGNETIC PATH
• SOLENOIDE A TRAJET MAGNETIQUE VARIABLE

(71) **OUTBOARD MARINE CORPORATION** [US/US]; 100 Sea Horse Drive, Waukegan, IL 60085 (US).

(72) **DYKSTRA, Daniel, R.**; 227 Highland Street, Wales, WI 53183 (US).

(74) **SANDLER, Ronald, A.** et al. / etc.; Jones, Day, Reavis & Pogue, 77 W. Wacker Drive, Chicago, IL 60601 (US).

(81) AL AM AU BA BB BG BR CA CN CU CZ EE GE GH HU IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO RU SG SI SK SL TR TT UA 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).

---

(11) **WO 99/24722** (13) A1

(21) PCT/AU98/00904

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) PP 0226 (32) **6 Nov/nov 1997 (06.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16B 2/22, 5/06, A01G 9/14, E04D 5/14, E04H 15/64**

(54) • SHEET MATERIAL SECURING FASTENER
• DISPOSITIF DE FIXATION DE MATIERE DE FEUILLE

(71, 72) **NOLAN, Vernon, Ernest, Lloyd** [AU/AU]; 87 B West View Street, Scarborough, W.A. 6019 (AU). **KAZEMI, Ali** [US/US]; Suite 108, 4630 Kester Avenue, Sherman Oaks, CA 96403 (US).

(74) **HARWOOD, Errol, John** et al. / etc.; Wray & Associates, 239 Adelaide Terrace, Perth, W.A. 6000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24723** (13) A1

(21) PCT/AT98/00274

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) A 1882/97 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AT

(31) A 308/98 (32) **20 Feb/fév 1998 (20.02.1998)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16B 12/20**

(54) • FURNITURE FITTING
• FERRURE

(71) **JULIUS BLUM GESELLSCHAFT MBH** [AT/AT]; Industriestrasse 1, A–6973 Höchst (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HUBER, Edgar** [AT/AT]; Eicheleweg 9, A–6971 Hard (AT).

(74) **TORGGLER, Paul** et al. / etc.; Wilhelm–Greilstrasse 16, A–6020 Innsbruck (AT).

(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).

Published / Publiée : *(c)*

---

(11) **WO 99/24724** (13) A1

(21) PCT/AU98/00935

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 329146 (32) **11 Nov/nov 1997 (11.11.1997)** (33) NZ

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16B 31/04, 39/36, E04B 1/41**

(54) • SELF–TIGHTENING NUT FOR USE WITH WOODEN MEMBERS
• ECROU AUTOSERRANT DESTINE A ETRE UTILISE AVEC DES ELEMENTS EN BOIS

(71, 72) **HAKAKZADEH ZANJANI, Hamid** [DE/AU]; 18 Armytage Street, Lota, QLD 4179 (AU).

(81) AU NZ US.

---

(11) **WO 99/24725** (13) A1

(21) PCT/US98/23694

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,615 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16C 3/14**

(54) • APPARATUS AND METHOD FOR AUTOMATICALLY PERFORMING FLUID CHANGES
• APPAREIL ET PROCEDE DE VIDANGE AUTOMATIQUE DE FLUIDES

(71) **AS2000, LLC** [US/US]; Suite 120, 1350 Reynolds Avenue, Irvine, CA 92614 (US).

(72) **ELKIN, Peter, M.**; 34 Rainbow Lake, Irvine, CA 92714 (US). **WORKINGS, John**; 11315 Penfield Lane N.E., Albuquerque, NM 87111 (US). **AZAREWICZ, David**; 9860 N. Windwalker Trail, Tucson, AZ 85741–5302 (US). **ROY, Richard, R.**; 1705 South Garden Drive, Anaheim, CA 92804 (US). **ELKIN, Paul, M.**; 11 Calle Melinda, Rancho Santa Margarita, CA 92688 (US).

(74) **KLEIN, Howard, J.** et al. / etc.; Klein & Szekeres, LLP, Suite 700, 4199 Campus Drive, Irvine, CA 92612 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24726** (13) A1

(21) PCT/FR98/02385

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) fr (26) fr

(31) 97/14082 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16C 11/06, 11/04**

(54) • METHOD FOR ASSEMBLING A SHAFT AND A BALL JOINT WITH HIGH MECHANICAL RESISTANCE AND RESULTING SHAFT–BALL JOINT ASSEMBLY
• PROCEDE D'ASSEMBLAGE D'UN ARBRE ET D'UNE ROTULE A HAUTE RESISTANCE MECANIQUE, ET ENSEMBLE D'ARBRE ET ROTULE OBTENU

(71) **SOCIETE INTERNATIONALE DES APPLICATIONS TECHNIQUES MANGACHOC S.I.A.T.M.A.** [FR/FR]; Route de Watten, F–59380 Spycker (FR).

(72) **PETERS, Henri**; 16, route de Watten, Spycker, F–59380 Bergues (FR).

(74) **JOLLY, Jean–Pierre**; Cabinet Jolly, 54, rue de Clichy, F–75009 Paris (FR).

(81) JP NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24727** (13) A1

(21) PCT/US98/23803

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,929 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16C 23/08**

(54) • SELF CLINCHING ROLLING BEARING ASSEMBLY
• ENSEMBLE PALIER A ROULEAUX A RIVETAGE AUTOMATIQUE

(71) **SPYRAFLO, INC.** [US/US]; P.O. Box 2309, Peachtree City, GA 30269 (US).

(72) **ALLEN, Peter, F.**; 300 Antler Way, Alpharetta, GA 30005 (US). **THOMPSON, Bryan, T.**; 406 Doubletrace Lane, Peachtree City, GA 30269 (US).

(74) **KERR, Steven, D.**; Womble Carlyle Sandridge & Rice, P.O. Box 725388, Atlanta, GA 31139–9388 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24728** (13) A1

(21) PCT/JP98/05008

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/305845 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16C 33/62, 33/32, 33/34**

(54) • ROLLING BEARING AND METHOD OF PRODUCING THE SAME
• PALIER A ROULEMENT ET PROCEDE DE FABRICATION

(71) **NSK LTD.** [JP/JP]; 6–3, Ohsaki 1–chome, Shinagawa–ku, Tokyo 141–8560 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAMAMURA, Kenji** [JP/JP]; NSK Ltd., 5–50, Kugenumashinmei 1–chome, Fujisawa–shi, Kanagawa 251–8501 (JP). **TANAKA, Susumu** [JP/JP]; NSK Ltd., 5–50, Kugenumashinmei 1–chome, Fujisawa–shi, Kanagawa 251–8501 (JP). **OHORI, Manabu** [JP/JP]; NSK Ltd., 5–50, Kugenumashinmei 1–chome, Fujisawa–shi, Kanagawa 251–8501 (JP).

(74) **SUZUYE, Takehiko** et al. / etc.; Suzuye & Suzuye, 7–2, Kasumigaseki 3–chome, Chiyoda–ku, Tokyo 100–0013 (JP).

(81) GB JP US.

---

(11) **WO 99/24729** (13) A1

(21) PCT/FR98/02396

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) fr (26) fr

(31) 97/14399 (32) **12 Nov/nov 1997 (12.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16D 3/84, F16J 3/04**

(54) • PROTECTIVE BELLOW FOR DRIVE SHAFT ARTICULATED JOINT
• SOUFFLET PROTECTEUR POUR JOINT ARTICULE D'ARBRE DE TRANSMISSION

(71) **YAMAJANY (S.A.R.L)** [FR/FR]; 265, avenue de Mazargues, F–13008 Marseille (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MERSCH, Patrick** [FR/FR]; 265, avenue de Mazargues, F–13008 Marseille (FR). **LAGIER, Bernard** [FR/FR]; 29, avenue de la Serane, F–13008 Marseille (FR).

(74) **CABINET ROMAN**; 35, rue Paradis, Boîte postale 2224, F–13207 Marseille Cedex 01 (FR).

(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)*

---

(11) **WO 99/24730** (13) A1

(21) PCT/EP98/01823

(22) **27 Mar/mar 1998 (27.03.1998)**

(25) de (26) de

(31) 197 48 881.1 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(31) 198 09 780.8 (32) **6 Mar/mar 1998 (06.03.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16D 7/00, B66C 23/84**

(54) • ROTATING DRIVE UNIT WITH AN OVERLOAD CUT–OUT
• MECANISME DE ROTATION DOTE D'UNE SECURITE ANTI–SURCHARGE

(71) **IMO INDUSTRIE–ANTRIEBSEINHEIT STOLL & RUSS GMBH** [DE/DE]; Bechhoferstrasse 22, D–91350 Gremsdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RUSS, Erich** [DE/DE]; Haus Nr. 22, D–91350 Poppenwind (DE).

(74) **KÜCHLER, Stefan**; Götz, Küchler & Dameron, Färberstrasse 20, D–90402 Nürnberg (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 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 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).

---

(11) **WO 99/24731** (13) A1

(21) PCT/US98/22784

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) en (26) en

(31) 60/064,704 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/176,807 (32) **22 Oct/oct 1998 (22.10.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16D 25/02, 25/0638**

(54) • SELF–CONTAINED HYDRAULIC COUPLING
• COUPLEUR HYDRAULIQUE AUTONOME

(71) **NEW VENTURE GEAR, INC.** [US/US]; Suite 350, 1650 Research Drive, Troy, MI 48083 (US).

(72) **BURNS, Timothy, M.**; 22 Elbridge Street, Jordan, NY 13080 (US).

(74) **RETTIG, Philip, E.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48098 (US).

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

---

(11) **WO 99/24732** (13) A1

(21) PCT/US98/23290

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/968,687 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16D 25/02, 25/0638**

(54) • EXHAUST BRAKE VARIABLE BYPASS CIRCUIT
• CIRCUIT DE DERIVATION VARIABLE POUR FREIN SUR ECHAPPEMENT

(71) **DIESEL ENGINE RETARDERS, INC.** [US/US]; Suite 105, 509 Silverside Road, Wilmington, DE 19809 (US).

(72) **KINERSON, Kevin, J.**; 10 Crown Street, Vernon, CT 06066 (US). **DAVIES, Greg**; 127 East Sycamore Street, Pittsburgh, PA 15211–1719 (US). **SCHAEFER, Norman**; P.O. Box 136, Pleasant Valley, CT 06063 (US). **DODI, Sotir**; 34 Village Lane, Windsor, CT 06095 (US).

(74) **COYNE, Patrick, J.**; Collier, Shannon, Rill and Scott, PLLC, Suite 400, 3050 K Street, N.W., Washington, DC 20007 (US).

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

---

(11) **WO 99/24733** (13) A1

(21) PCT/DE98/03304

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 038.7 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16D 48/06, B60K 28/16, B60T 8/00**

(54) • MOTOR VEHICLE WITH AN AUTOMATICALLY ACTUATED CLUTCH
• VEHICULE AUTOMOBILE DOTE D'UN EMBRAYAGE A ACTIONNEMENT AUTOMATIQUE

(71) **LUK GETRIEBE–SYSTEME GMBH** [DE/DE]; Industriestrasse 3, D–77815 Bühl (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SALECKER, Michael** [DE/DE]; Kremmlerstrasse 56, D–70597 Stuttgart (DE). **ZIMMERMANN, Martin** [DE/DE]; Vogelsbergstrasse 1, D–77880 Sasbach 2 (DE).

(74) **LUK GETRIEBE–SYSTEME GMBH**; Grauel, Andreas, Industriestrasse 3, D–77815 Bühl (DE).

(81) AT AU BR CA CH CN CZ DE DK ES GB HU JP KR MX NO RU SE SK UA US.

Published / Publiée : *(c)*

---

(11) **WO 99/24734** (13) A1

(21) PCT/US98/24521

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/965,709 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16F 15/129, F16D 13/64**

(54) • TORSION DAMPER
• AMORTISSEUR DE TORSION

(71) **ROCKFORD POWERTRAIN, INC.** [–/US]; 1200 Windsor Road, Rockford, IL 61132–2908 (US).

(72) **SKAGGS, Bruce, A.**; 724 Bohm Court, Rockford, IL 61107 (US).

(74) **KORNICZKY, Paul, J.** et al. / etc.; Leydig, Voit & Mayer, Ltd., Two Prudential Plaza, Suite 4900, 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 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 : *(c)*

---

(11) **WO 99/24735** (13) A1

(21) PCT/US97/20492

(22) **11 Nov/nov 1997 (11.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16H 1/32**

(54) • AUTOMATIC TRANSMISSION SYSTEMS FOR HUMANLY POWERED VEHICLES
• SYSTEMES DE TRANSMISSION AUTOMATIQUES POUR VEHICULES ENTRAINES PAR L'HOMME

(71, 72) **GRANT, Frederic, Francis** [US/US]; 14505 Eastbrook Avenue, Bellflower, CA 90706 (US).

(74) **BENOIT, Luc, Pierre**; Benoit Law Corporation, 2551 Colorado Boulevard, Los Angeles, CA 90041 (US).

(81) AL AM AT 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 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 SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24736** (13) A1

(21) PCT/KR98/00356

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 1997/58590 (32) **6 Nov/nov 1997 (06.11.1997)** (33) KR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16H 3/72**

(54) • CONTINUOUSLY VARIABLE TRANSMISSION AND TRANSMISSION APPARATUS FOR VEHICLES UTILIZING IT
• TRANSMISSION A CHANGEMENT DE VITESSES CONTINU ET BOITE DE VITESSES POUR VEHICULES UTILISANT CETTE TRANSMISSION

(71) **KIM, Kil, Hae** [KR/KR]; KachiMaul Sinwon Apt. 303–1304, 66, Kumi–dong, Bundang–ku, Sungnam–shi, Kyunggido 463–500 (KR).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **GOO, Tex, Seo** [KR/KR]; Lucky Town A–103, 161–3, Hakik 1–dong, Nam–ku, Incheon–shi 402–041 (KR).

(74) **PARK, Hae, Cheon**; Haecheon Building, 741–40, Yeoksam 1–dong, Kangnam–ku, Seoul 135–081 (KR).

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

---

(11) **WO 99/24737** (13) A1

(21) PCT/CN98/00268

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) zh (26) zh

(31) 97 1 19779.2 (32) **11 Nov/nov 1997 (11.11.1997)** (33) CN

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16H 39/02**

(54) • A METHOD FOR CONTINUOUSLY CHANGING SPEED RATIOS
• PROCEDE DE TRANSMISSION A VARIATION CONTINUE DE VITESSE

(71, 72) **ZHANG, Yuliang** [CN/CN]; Technical Dept., The Power Plant of Haibowan, Wuhai, Inner Mongolia Autonomous Region 016034 (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 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).

---

(11) **WO 99/24738** (13) A1

(21) PCT/US98/24053

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,377 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16H 47/04**

(54) • HYDRAULIC MACHINE
• MACHINE HYDRAULIQUE

(71) **FOLSOM TECHNOLOGIES, INC.** [US/US]; Tierney Building, 4th floor, 66 West Street, Pittsfield, MA 01201 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FOLSOM, Lawrence, R.** [US/US]; Tierney Building, 4th floor, 66 West Street, Pittsfield, MA 01201 (US). **TUCKER, Clive** [GB/US]; Tierney Building, 4th floor, 66 West Street, Pittsfield, MA 01201 (US).

(74) **NEARY, J., Michael**; Neary Law Office, 542 S.W. 298th Street, Federal Way, WA 98023 (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 LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24739** (13) A1

(21) PCT/CH98/00468

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 48 964.8 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16H 55/06, 55/08**

(54) • GEARWHEEL

- ROUE DENTEE

(71) **BÜHLER AG** [CH/CH]; CH–9240 Uzwil (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHEIWILLER, Thomas** [CH/CH]; Mettlenstrasse 14A, CH–9524 Zuzwil (CH). **INNEREBNER, Federico** [CH/CH]; Sihlfeldstrasse 164, CH–8004 Zürich (CH).

(74) **BÜHLER AG**; Patentabteilung, CH–9240 Uzwil (CH).

(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).

---

(11) **WO 99/24740** (13) A2

(21) PCT/DE98/03301

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 289.4 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16H 61/00, 37/02**

(54)
- CONTINUOUSLY VARIABLE CONICAL DISC BELT CONTACT GEAR
- TRANSMISSION A VARIATION CONTINUE A COURROIE ET A DISQUES A CONES REGLABLE EN CONTINU

(71) **LUK GETRIEBE–SYSTEME GMBH** [DE/DE]; Industriestrasse 3, D–77815 Bühl (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WALTER, Bernhard** [DE/DE]; Hesselbach 38, D–77704 Oberkirch (DE). **FRITZER, Anton** [DE/DE]; Beethovenstrasse 7, D–77815 Bühl (DE). **EIDLOTH, Rainer** [DE/DE]; Schlossstrasse 36, D–77886 Lauf (DE). **WEINHOLD, Carsten** [DE/DE]; Traubenweg 5, D–77815 Bühl (DE). **BITZER, Franz** [DE/DE]; Leipziger Strasse 55, D–76829 Landau (DE).

(74) **LUK GETRIEBE–SYSTEME GMBH**; Grauel, Andreas, D–77813 Bühl (DE).

(81) AT AU BR CA CH CN CZ DE DK ES GB HU JP KR MX NO RU SE SK UA US.

---

(11) **WO 99/24741** (13) A1

(21) PCT/US98/23165

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/967,790 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16J 9/00, F16H 57/02**

(54)
- IMPROVED ACCUMULATOR PISTON
- PISTON D'ACCUMULATEUR AMELIORE

(71) **SKF USA INC.** [US/US]; 900 North State Street, Elgin, IL 60123 (US).

(72) **PAYKIN, Alex**; 1344 Larchmont Drive, Buffalo Grove, IL 60089 (US). **DOBBS, David**; 1548 Chestnut Street, Elgin, IL 60120 (US).

(74) **BUFALINO, Angelo, J.**; Vedder, Price, Kaufman & Kammholz, 26th floor, 222 North LaSalle, Chicago, IL 60601 (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 : *(c)*

---

(11) **WO 99/24742** (13) A1

(21) PCT/JP98/04417

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) ja (26) ja

(31) 1997–11–1197 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EG

(31) 1997–11–1196 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EG

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16K 3/06**

(54)
- NEW FLUID ROTARY VALVE OF LOW SENSITIVITY WITH RESPECT TO FLOW POWER
- NOUVEAU ROBINET ROTATIF PEU SENSIBLE A LA FORCE D'ECOULEMENT

(71) **EL–DEBS, Sobhi, Fouad** [LB/JP]; 1–5–35, Kitano–cho, Chuo–ku, Kobe–shi, Hyogo 650–0002 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ELGAMIL, Mohamed, Ahmed** [EG/JP]; Nakato Bunka 201, 2–4–19, Odohira–cho, Nada–ku, Kobe–shi, Hyogo 657–0014 (JP).

(74) **SUMIDA, Yoshihiro** et al. / etc.; Boeki Building, 3rd floor, 123–1, Higashimachi, Chuo–ku, Kobe–shi, Hyogo 650–0031 (JP).

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

---

(11) **WO 99/24743** (13) A1

(21) PCT/JP98/04415

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) ja (26) ja

(31) 1997–11–1198 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EG

(31) 1998–2–189 (32) **17 Feb/fév 1998 (17.02.1998)** (33) EG

(31) 1998–2–190 (32) **17 Feb/fév 1998 (17.02.1998)** (33) EG

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16K 3/24**

(54)
- NEW FLUID SPOOL VALVE OF LOW SENSITIVITY WITH RESPECT TO FLOW POWER
- SOUPAPE A TIROIR POUR FLUIDES POSSEDANT UNE SENSIBILITE PEU ELEVEE PAR RAPPORT A LA PUISSANCE DU FLUX

(71) **EL–DEBS, Sobhi, Fouad** [LB/JP]; 1–5–35, Kitano–cho, Chuo–ku, Kobe–shi, Hyogo 650–0002 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ELGAMIL, Mohamed, Ahmed** [EG/JP]; Nakato Bunka 201, 2–4–19, Odohira–cho, Nada–ku, Kobe–shi, Hyogo 657–0014 (JP).

(74) **SUMIDA, Yoshihiro** et al. / etc.; Boeki Building, 3rd floor, 123–1, Higashimachi, Chuo–ku, Kobe–shi, Hyogo 650–0031 (JP).

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

---

(11) **WO 99/24744** (13) A1

(21) PCT/US98/24072

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,132 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 60/077,945 (32) **13 Mar/mar 1998 (13.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16K 27/00**

(54)
- MICROMACHINED PARYLENE MEMBRANE VALVE AND PUMP
- VALVE ET POMPE A MEMBRANE EN PARYLENE PRODUITES PAR MICRO–USINAGE

(71) **CALIFORNIA INSTITUTE OF TECHNOLOGY** [US/US]; 1200 East California Boulevard, Pasadena, CA 91125 (US).

(72) **TAI, Yu–Chong**; 369 S. Grand Oaks, Pasadena, CA 91107 (US). **YANG, Xing**; 136–93 E.E. Caltech, Pasadena, CA 91125 (US). **GROSJEAN, Charles**; 131–93 E.E. Caltech, Pasadena, CA 91125 (US). **WANG, Xuan–Qi**; 3400 Greenfield Avenue #7, Los Angeles, CA 90034 (US).

(74) **HARRIS, Scott, C.**; Fish & Richardson P.C., Suite 1400, 4225 Executive Square, La Jolla, CA 92037 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24745** (13) A1

(21) PCT/US98/23676

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,379 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16K 31/04**

(54)
- INTERCHANGEABLE VALVE ACTUATOR SYSTEM
- DISPOSITIF POUSSOIR INTERCHANGEABLE

(71) **ERIE MANUFACTURING COMPANY** [US/US]; 4000 South 13th Street, Milwaukee, WI 53221 (US).

(72) **SCHREINER, Michael, R.**; 1754 West Second Avenue, Port Washington, WI 53074 (US). **SCHLAIS, John, H.**; 2887 South 128th Street, New Berlin, WI 53151 (US).

(74) **McCONNELL, Andrew, S.** et al. / etc.; Andrus, Sceales, Starke & Sawall, LLP, Suite 1100, 100 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

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

---

(11) **WO 99/24746** (13) A1

(21) PCT/EP98/07155

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) VI97A000191 (32) **10 Nov/nov 1997 (10.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16K 31/64 // F16C 13/04**

(54) • VALVE UNIT FOR THE ADJUSTMENT OF UNDER PRESSURE FLUID FLOW
• ENSEMBLE VANNE POUR LE REGLAGE D'UN DEBIT DE FLUIDE SOUS PRESSION

(71, 72) **PEGORARO, Giorgio** [IT/IT]; Via Thaon di Revel, 60, I–36100 Vicenza (IT).

(74) **BONINI, Ercole**; Studio Ing. E. Bonini s.r.l., Corso Fogazzaro, 8, I–36100 Vicenza (IT).

(81) AL AU BG BR CA CN CU CZ HR HU ID IL JP KR LR MK NZ PL RO SI SK TR UA US YU; EA (AM AZ BY KG 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)*

---

(11) **WO 99/24747** (13) A2

(21) PCT/NZ98/00163

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 314748 (32) **6 Nov/nov 1997 (06.11.1997)** (33) NZ

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16L**

(54) • A PIPE CLIP
• BRIDE POUR TUYAUX

(71, 72) **BLACK, Murray, Russell** [NZ/NZ]; 22 Gallagher Street, Utuhina, Rotorua (NZ).

(74) **BENNETT, Michael, Roy** et al. / etc.; Russell McVeagh West–Walker, The Todd Building, Level 5, 171–177 Lambton Quay, 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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24748** (13) A1

(21) PCT/AU98/00917

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) PP 0236 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16L 7/00, 7/02, 39/00, 57/00**

(54) • ENCASED PIPING SYSTEM
• SYSTEME DE TUBAGE MUNI D'UNE ENVELOPPE

(71) **SPIRAL TUBE MAKERS PTY. LTD.** [AU/AU]; 43–55 Kylta Road, West Heidelberg, VIC 3081 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUBBELMAN, Jan** [–/AU]; 9 Shaw Close, Mt. Pleasant, W.A. 6153 (AU).

(81) AU BG BR CA CN CU CZ HU IL JP KR LK MN MX NO NZ PL RO SG SI SK TR UA US 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 GW ML MR NE SN TD TG).

---

(11) **WO 99/24749** (13) A1

(21) PCT/US97/20456

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16L 11/00, 9/14, A63C 11/00, B29D 22/00**

(54) • ARTICLES HAVING REDUCED RESISTANCE TO FLUID FLOW
• ARTICLES OPPOSANT UNE RESISTANCE DIMINUEE A L'ECOULEMENT FLUIDIQUE

(63) US 08/710,789 (CIP) 23 Sep/sep 1996 (23.09.1996)

(71) **RETUG, INC.** [US/US]; 62 East Broadway, Roslyn, NY 11576 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIRATA, Junichi** [JP/JP]; 9–28, 9–chome, Hongochu, Minokamo (JP).

(74) **FANUCCI, Allan, A.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH HU ID IL IS JP KG KP 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; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24750** (13) A1

(21) PCT/GB98/03311

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9723561.8 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16L 21/03**

(54) • JOINTING RING
• JOINT ANNULAIRE

(71) **GLYNWED PIPE SYSTEMS LIMITED** [GB/GB]; St. Peters Road, Huntingdon, Cambridgeshire PE18 7DJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WILDGOOSE, Thomas, William** [GB/GB]; 5 Farringdon Close, Peterborough DE1 4RQ (GB).

(74) **BARKER BRETTELL**; 138 Hagley Road, Edgbaston, Birmingham B16 9PW (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24751** (13) A1

(21) PCT/NL98/00644

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) nl (26) en

(31) 1007465 (32) **6 Nov/nov 1997 (06.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16L 21/04**

(54) • SEALING RING AND PIPE COUPLING EMBODIED THEREWITH
• BAGUE D'ETANCHEITE ET RACCORD DE TUYAU DANS LEQUEL EST INCORPOREE CETTE BAGUE

(71) **REWAG PIPELINE PRODUCTS B.V.** [NL/NL]; Huygensweg 21, NL–5482 TH Schijndel (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NIJHOF, Ferdinand, Jan** [NL/NL]; Missielaan 13, NL–5401 BN Uden (NL). **VAN COILLIE, André, Joseph, Sylvère** [BE/BE]; 2, avenue des Sorbiers, B–1480 Clabecq (BE).

(74) **BARTELDS, Erik**; Arnold & Siedsma, Sweelinckplein 1, NL–2517 GK 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24752** (13) A1

(21) PCT/SE98/01998

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 9704047–1 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16L 21/08, 47/06**

(54) • A PIPE JOINT, ESPECIALLY FOR PLASTIC PIPES
• RACCORD POUR TUYAUX, EN PARTICULIER POUR TUYAUX EN PLASTIQUE

(71) **ENEBACKEN SKREA AB** [SE/SE]; Lyckans väg 9, S–311 72 Falkenberg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPORRE, Sten** [SE/SE]; Lyckans väg 9, S–311 72 Falkenberg (SE). **GUSTAFSSON, Leif** [SE/SE]; Björsgårdsvägen 18, S–331 95 Värnamo (SE).

(74) **LINDE, Leif**; Vernamo Patentbyrå AB, Persegård, S–274 93 Skurup (SE).

(81) AU BR CA JP NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24753** (13) A1

(21) PCT/US98/23295

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/965,585 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F16L 37/23, 37/12**

(54) • QUICK CONNECT, SANITARY COUPLER
• RACCORD SANITAIRE RAPIDE

(63) US 08/965,585 (CIP) 6 Nov/nov 1997 (06.11.1997)

(71) **FASTEST, INC.** [US/US]; 2315 Hampden Avenue, St. Paul, MN 55114 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MEISINGER, Stanlee, W.** [US/US]; 2240 Aquila Avenue North, Golden Valley, MN 55427 (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) 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 IS JP KE KG KP KR KZ 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24754** (13) A1

(21) PCT/EP98/07184

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 297 19 856.4 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F17C 13/00, 13/04**

(54) • TERMINAL ADAPTER, ESPECIALLY FOR QUICK TEST CONNECTIONS
• ADAPTATEUR, EN PARTICULIER POUR RACCORDS DE TEST RAPIDE

(71, 72) **WEH, Erwin** [DE/DE]; Siemensstrasse 5, D–89257 Illertissen (DE). **WEH, Wolfgang** [DE/DE]; Siemensstrasse 5, D–89257 Illertissen (DE).

(74) **FIENER, Josef**; Maximilianstrasse 57, Postfach 12 49, D–87712 Mindelheim (DE).

(81) BR CN CZ JP KR PL 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)*

---

(11) **WO 99/24755** (13) A1

(21) PCT/US98/01662

(22) **29 Jan/jan 1998 (29.01.1998)**

(25) en (26) en

(31) 08/967,426 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F21K 7/00, F41G 1/34**

(54) • SELF–CONTAINED LASER ILLUMINATOR MODULE
• MODULE ILLUMINATEUR LASER AUTONOME

(71) **SCIENCE & ENGINEERING ASSOCIATES, INC.** [US/US]; 6100 Uptown Boulevard, N.E., Albuquerque, NM 87110 (US).

(72) **GERMAN, John, D.**; 166 Sangre De Cristo, Cedar Crest, NM 87008 (US). **CRAMER, Eric, J.**; 957 Antelope, N.E., Albuquerque, NM 87122 (US). **TOCCI, Michael, D.**; 7600 La Mariposa, N.E., Albuquerque, NM 87109 (US). **SPIELBUSCH, Brian, K.**; 33 Moper, Edgewood, NM 87015 (US). **SAGGESE, Steven, J.**; 4409 Westridge Court, Albuquerque, NM 87114 (US).

(74) **WILDENSTEIN, Kevin, Lynn**; Rodey, Dickason, Sloan, Akin & Robb, P.A., P.O. Box 1888, Albuquerque, NM 87103–1888 (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); EP (AT BE CH 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).

---

(11) **WO 99/24756** (13) A1

(21) PCT/EP98/07175

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 688.1 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F23L 7/00, F23G 7/05, F23C 11/00, 3/00**

(54) • FUEL COMBUSTION METHOD AND REACTOR
• DISPOSITIF ET REACTEUR POUR LA COMBUSTION DE COMBUSTIBLES

(71) **GOURMELI INTERNATIONAL N.V.** [NL/NL]; Cararasbaaiweg 199, Curaçao (AN).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STAFFLER, Franz, Josef** [IT/IT]; Raingasse 7, I–39100 Bozen (IT).

(74) **STREHL, SCHÜBEL–HOPF & PARTNER**; Maximilianstrasse 54, D–80538 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24757** (13) A1

(21) PCT/GB98/03273

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 9723394.4 (32) **6 Nov/nov 1997 (06.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F23L 11/00, F24D 5/08**

(54) • SPACE HEATING APPLIANCES
• APPAREILS DE CHAUFFAGE LOCAL

(71) **AMBI–RAD LIMITED** [GB/GB]; Fens Pool Avenue, Wallows Industrial Estate, Brierley Hill, West Midlands DY5 1QA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EAVES, Robert, Nicholas** [GB/GB]; 10 The Lawley, Lutley, Halesowen, West Midlands B63 1JB (GB).

(74) **SPRUCE, George, Philip** et al. / etc.; Withers & Rogers, 4 Dyer's Buildings, Holborn, London EC1N 2QP (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24758** (13) A1

(21) PCT/US98/23681

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,280 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F23N 5/00**

(54) • INTELLIGENT BURNER CONTROL SYSTEM
• SYSTEME DE COMMANDE INTELLIGENT POUR BRULEUR

(71) **MAXON CORPORATION** [US/US]; 201 East 18th Street, Muncie, IN 47307 (US).

(72) **WELZ, Albert, W., Jr.**; 84 Tadmuck Road, Westford, MA 01886 (US). **PARKER, John, D.**; 3 Cobbler Road, Westford, MA 01886 (US). **MARCHETTI, Brenda, J.**; 3 Polar Bear Road, Westford, MA 01886 (US).

(74) **REZEK, Richard, A.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (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)*

---

(11) **WO 99/24759** (13) A2

(21) PCT/EP98/06871

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 48 196.5 (32) **31 Oct/oct 1997 (31.10.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F24C 15/02**

(54) • SIGHT DOOR FOR AN APPARATUS WITH HIGH INNER TEMPERATURE
• PORTE DE REGARD POUR APPAREIL A TEMPERATURE INTERIEURE ELEVEE

(71) **SCHOTT GLAS** [DE/DE]; Hattenbergstrasse 10, D–55122 Mainz (DE).
(for all designated States except / pour tous les États désignés sauf GB JP US)

(71) **CARL–ZEISS–STIFTUNG TRADING AS SCHOTT GLAS** [DE/DE]; Hattenbergstrasse 10, D–55122 Mainz (DE).
(only for / seulement pour GB)

(71) **CARL–ZEISS–STIFTUNG** [DE/DE]; D–89518 Heidenheim an der Brenz (DE).
(only for / seulement pour JP)

(72, 75) **LEUTNER, Kurt** [DE/DE]; Am Schinnergraben 81, D–55129 Mainz (DE). **MELSON, Sabine** [DE/DE]; Engelstrasse 45, D–55124 Mainz (DE). **LEROUX, Roland** [DE/DE]; Rupt–Su–Moselle–Strasse 26, D–55271 Stadecken–Elsheim (DE).

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

---

(11) **WO 99/24760** (13) A1

(21) PCT/EP98/07083

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 764.0 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F24D 11/00, F28D 20/02**

(54) • METHOD FOR HEAT ACCUMULATION BY MEANS OF LATENT HEAT ACCUMULATION WALLS AND COMPONENTS
• PROCEDE D'ACCUMULATION DE CHALEUR AU MOYEN DE PAROIS ET DE COMPOSANTS D'ACCUMULATION DE CHALEUR LATENTE

(71, 72) **NIEMES, Günther, Wilfried** [DE/DE]; Hauptstrasse 25, D–67251 Freinsheim (DE). **NIEMES, Horst** [DE/DE]; Preussenstrasse 5, D–67105 Schifferstadt (DE).

(74) **REBLE, KLOSE & SCHMITT**; Patente + Marken, Postfach 12 15 19, D–68066 Mannheim (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24761** (13) A2

(21) PCT/DE98/03206

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) de (26) de

(31) 197 49 094.8 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(31) 297 19 586.7 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F24F 1/00**

(54) • AIR–CONDITIONING DEVICE FOR TECHNICAL PREMISES SUCH AS MEASURING ROOMS
• DISPOSITIF DE CLIMATISATION DE LOCAUX TECHNIQUES, NOTAMMENT DE SALLES DE MESURE

(71) **NERLING GMBH SYSTEMRÄUME** [DE/DE]; Stöckhofstrasse 16, D–71229 Leonberg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GÖTTE, Klaus** [DE/DE]; Seestrasse 73, D–71229 Leonberg (DE).

(74) **OTTE & JAKELSKI**; Mollenbachstrasse 37, D–71229 Leonberg (DE).

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

---

(11) **WO 99/24762** (13) A1

(21) PCT/US98/23452

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,918 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F24F 3/044**

(54) • AIR CIRCULATION SYSTEM AND METHOD WITH RETURN DUCT VENTILATION
• SYSTEME ET PROCEDE DE CIRCULATION D'AIR AVEC VENTILATION PAR LE CONDUIT DE REPRISE

(71) **BLALOCK, Susan** [US/US]; 4424 Jett Road, N.W., Atlanta, GA 30327 (US).

(72) **BLALOCK, D., Braxton** (deceased / décédé).

(74) **KUESTER, Jeffrey, R.**; Thomas, Kayden, Horstemeyer & Risley L.L.P., Suite 1500, 100 Galleria Parkway, N.W., Atlanta, GA 30339–5948 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24763** (13) A1

(21) PCT/JP98/05037

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/310877 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F24F 3/14, 11/02**

(54) • DEHUMIDIFICATION/HUMIDIFICATION AIR SUPPLY APPARATUS
• APPAREIL D'ALIMENTATION EN AIR DE DESHUMIDIFICATION/D'HUMIDIFICATION

(71) **DAIKIN INDUSTRIES, LTD.** [JP/JP]; Umeda Center Building, 4–12, Nakazaki–nishi 2–chome, Kita–ku, Osaka–shi, Osaka 530–8323 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAMETANI, Keiichiro** [JP/JP]; Daikin Industries, Ltd., Yodogawaseisakusho, 1–1, Nishihitotsuya, Settsu–shi, Osaka 566–0074 (JP). **OTA, Shigehito** [JP/JP]; Daikin Industries, Ltd., Yodogawaseisakusho, 1–1, Nishihitotsuya, Settsu–shi, Osaka 566–0074 (JP).

(74) **SAIKYO, Keiichiro** et al. / etc.; Shikishima Building, 2–6, Bingomachi 3–chome, Chuo–ku, Osaka–shi, Osaka 541–0051 (JP).

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

---

(11) **WO 99/24764** (13) A1

(21) PCT/AU98/00922

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) PP 0211 (32) **5 Nov/nov 1997 (05.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F24H 9/18, 4/04, 1/18, F24D 17/02, F25B 30/06, 29/00, 39/04, F28D 1/06**

(54) • HEAT EXCHANGER FOR WATER HEATER USING HEAT PUMP
• ECHANGEUR DE CHALEUR DESTINE A UN CHAUFFE–EAU UTILISANT UNE POMPE A CHALEUR

(71) **QUANTUM ENERGY SYSTEMS PTY. LIMITED** [AU/AU]; 2nd floor, 6 Bolton Street, Newcastle, NSW 2300 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ISLAM, Rafiqul** [BD/AU]; 2nd floor, 6 Bolton Street, Newcastle, NSW 2300 (AU).

(74) **BALDWIN SHELSTON WATERS**; 60 Margaret Street, Sydney, NSW 2000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24765** (13) A1

(21) PCT/AU98/00926

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) PP 0211 (32) **5 Nov/nov 1997 (05.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F24H 9/18, 4/04, 1/18, F24D 17/02 // F25B 30/06, 29/00, 39/04, F28D 1/06**

(54) • HEAT EXCHANGER FOR WATER HEATER USING HEAT PUMP
• ECHANGEUR DE CHALEUR DESTINE A UN CHAUFFE–EAU UTILISANT UNE POMPE A CHALEUR

(71) **QUANTUM ENERGY SYSTEMS (INTERNATIONAL) PTY. LTD.** [AU/AU]; Level 11, 418A Elizabeth Street, Surry Hills, NSW 2010 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ISLAM, Rafiqul** [BD/AU]; 36 Munibung Road, Cardiff, NSW 2285 (AU). **SIDDONS, Michael, James** [AU/AU]; 112 Louisa Road, Birchgrove, NSW 2041 (AU).

(74) **CARTER SMITH & BEADLE**; 2 Railway Parade, P.O. Box 557, Camberwell, VIC 3124 (AU).

(81) AL AM AT AZ 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24766** (13) A1

(21) PCT/US97/20229

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F25B 27/00**

(54) • SYSTEMS AND METHODS FOR CONVERTING THERMAL ENERGY
• SYSTEMES ET PROCEDES DE TRANSFORMATION DE L'ENERGIE THERMIQUE

(63) US Not furnished / non communiqué (CIP) Not furnished / non communiquée

(71, 72) **STERLING, Jeffrey, Stephen** [US/US]; 1111 Northeast 175th Street, North Miami Beach, FL 33162 (US).

(74) **MERCHANT, Mary, Anthony** et al. / etc.; Jones & Askew, LLP, 37th floor, 191 Peachtree Street, N.E., Atlanta, GA 30303 (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 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24767** (13) A1

(21) PCT/US98/20244

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

(31) 08/965,495 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F25B 31/00, F04D 13/12, F01M 1/12, F01P 5/10**

(54) • OIL AND REFRIGERANT PUMP FOR CENTRIFUGAL CHILLER
• POMPE A HUILE ET A FRIGORIGENE POUR DISPOSITIF FRIGORIFIQUE CENTRIFUGE

(71) **AMERICAN STANDARD INC.** [US/US]; P.O. Box 261, One Centennial Avenue, Piscataway, NJ 08855–6820 (US).

(72) **TISCHER, James, C.**; 4291 County Highway 6, La Crescent, MN 55947 (US).

(74) **BERES, William, J.**; The Trane Company, 3600 Pammel Creek Road, La Crosse, WI 54601–7599 (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).

---

(11) **WO 99/24768** (13) A1

(21) PCT/JP98/05077

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/310124 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F25B 33/00**

(54) • HIGH TEMPERATURE REGENERATOR FOR ABSORPTION WATER HEATER/CHILLER
• REGENERATEUR A HAUTE TEMPERATURE POUR CHAUFFE–EAU/REFROIDISSEUR D'EAU A ABSORPTION

(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) **FUNABA, Yasushi** [JP/JP]; Tsuchiura Works, Hitachi, Ltd., 603, Kandatsumachi, Tsuchiura–shi, Ibaraki 300–0013 (JP). **ITOU, Norihiro** [JP/JP]; Hitachi Building Equipment Engineering Co., Ltd., 1, Kandaizumicho, Chiyoda–ku, Tokyo 101–0024 (JP). **OOUCHI, Tomihisa** [JP/JP]; Tsuchiura Works, Hitachi, Ltd., 603, Kandatsumachi, Tsuchiura–shi, Ibaraki 300–0013 (JP). **MIYAKE, Satoshi** [JP/JP]; Tsuchiura Works, Hitachi, Ltd., 603, Kandatsumachi, Tsuchiura–shi, Ibaraki 300–0013 (JP).

(74) **OGAWA, Katsuo**; Hitachi, Ltd., 5–1, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100–8220 (JP).

(81) CN JP KR US.

---

(11) **WO 99/24769** (13) A1

(21) PCT/JP98/05078

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/310124 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F25B 33/00**

(54) • ABSORPTION WATER HEATER/CHILLER AND HIGH TEMPERATURE REGENERATOR THEREFOR
• CHAUFFE–EAU/REFROIDISSEUR D'EAU A ABSORPTION ET REGENERATEUR A HAUTE TEMPERATURE AFFERENT

(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) **FUNABA, Yasushi** [JP/JP]; Tsuchiura Works, Hitachi, Ltd., 603, Kandatsumachi, Tsuchiura–shi, Ibaraki 300–0013 (JP). **ITOU, Norihiro** [JP/JP]; Hitachi Building Equipment Engineering Co., Ltd., 1, Kandaizumicho, Chiyoda–ku, Tokyo 101–0024 (JP). **OOUCHI, Tomihisa** [JP/JP]; Tsuchiura Works, Hitachi, Ltd., 603, Kandatsumachi, Tsuchiura–shi, Ibaraki 300–0013 (JP). **MIYAKE, Satoshi** [JP/JP]; Tsuchiura Works, Hitachi, Ltd., 603, Kandatsumachi, Tsuchiura–shi, Ibaraki 300–0013 (JP). **UCHIMURA, Michiyuki** [JP/JP]; Tsuchiura Works, Hitachi, Ltd., 603, Kandatsumachi, Tsuchiura–shi, Ibaraki 300–0013 (JP).

(74) **OGAWA, Katsuo**; Hitachi, Ltd., 5–1, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100–8220 (JP).

(81) CN JP KR US.

---

(11) **WO 99/24770** (13) A1

(21) PCT/EP98/07142

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 297 20 004.6 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F25B 39/02, F16L 41/00**

(54) • EVAPORATOR
• EVAPORATEUR

(71) **BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH** [DE/DE]; Hochstrasse 17, D–81669 München (DE).

(72) **LANG, Alfred**; Sorggasse 9, D–89428 Syrgenstein (DE).

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

---

(11) **WO 99/24771** (13) A1

(21) PCT/DE98/03291

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 50 053.6 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F25D 29/00, H02J 3/14**

(54) • DEVICE AND METHOD FOR CONTROLLING THE OPERATION OF DOMESTIC REFRIGERATORS AND FREEZERS
• DISPOSITIF ET PROCEDE DESTINES AU FONCTIONNEMENT DE REFRIGERATEURS ET CONGELATEURS

(71) **ETC ENERGIETECHNIK UND CHEMIE GMBH & CO. KG** [DE/DE]; Brunnenweg 1, D–64584 Biebesheim (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SIOL, Werner** [DE/DE]; Goerdelerweg 17, D–64297 Darmstadt (DE).

(74) **GORNOTT, Dietmar**; Zilleweg 29, D–64291 Darmstadt (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)*

---

(11) **WO 99/24772** (13) A1

(21) PCT/GB98/03368

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723812.5 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F28D 9/00, F28F 3/02**

(54) • HEAT EXCHANGER
• ECHANGEUR DE CHALEUR

(71) **RELTEC (UK) LIMITED** [GB/GB]; New Century Park, P.O. Box 45, Coventry CV3 1NB (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BOOTH, Martin** [GB/GB]; 11 Church View Close, Belton, Doncaster, South Yorkshire DN9 1PT (GB). **BORGI, Barry** [GB/GB]; 11 Richland Road, Stoneycroft, Liverpool L13 7BN (GB). **BELDON, Edward, Rodney** [GB/GB]; 77 Brinklow Road, Binley, Coventry CB3 2JB (GB).

(74) **ELLIS, Kate**; Dibb Lupton Alsop, Fountain Precinct, Balm Green, Sheffield S1 1RZ (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24773** (13) A1

(21) PCT/EP98/07236

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) de (26) de

(31) 90165 (32) **12 Nov/nov 1997 (12.11.1997)** (33) LU

(31) 90220 (32) **4 Mar/mar 1998 (04.03.1998)** (33) LU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F28D 13/00**

(54) • DEVICE ENABLING HEAT EXCHANGE BETWEEN A HEAT CARRYING FLUID AND A SOLID
• DISPOSITIF DESTINE A L'ECHANGE DE CHALEUR ENTRE UN FLUIDE PORTEUR DE CHALEUR ET UNE MATIERE SOLIDE

(71) **PAUL WURTH S.A.** [LU/LU]; 32, rue d'Alsace, L–1122 Luxembourg (LU). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **FRIEDEN, Romain** [LU/LU]; 4, rue de l'Ecole, L–6235 Beidweiler (LU). **SCHMIT, Louis** [LU/LU]; 39, rue Théodore Eberhardt, L–1451 Luxembourg (LU). **NEISSEN, Romain** [LU/LU]; 12, rue de la Libération, L–5969 Itzig (LU). **HANSMANN, Thomas** [DE/DE]; Am Olbeschgraben 8, D–54296 Trier (DE).

(74) **BEISSEL, Jean** et al. / etc.; Office de Brevets Ernest T. Freylinger S.A., 234, route d'Arlon, Boîte postale 48, L–8001 Strassen (LU).

(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).

Published / Publiée : *(c)*

---

(11) **WO 99/24774** (13) A2

(21) PCT/US98/23808

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,897 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F41A**

(54) • VARIABLE VELOCITY WEAPONS SYSTEM HAVING SELECTIVE LETHALITY AND METHODS RELATED THERETO
• SYSTEMES D'ARMES A VITESSE VARIABLE PRESENTANT UNE LETALITE SELECTIVE ET PROCEDES ASSOCIES

(71) **WIDLIN CORPORATION** [US/US]; 19 Bonnie Avenue, Bel Air, MD 21014 (US).

(74) **VOYCE, Brian, D.**; Suite C204, 1100 Possum Trot Road, North Myrtle Beach, SC 29582 (US).

(81) AU CA CN IL JP MX; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24775** (13) A1

(21) PCT/EP98/07154

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 881.7 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(31) 198 41 901.5 (32) **11 Sep/sep 1998 (11.09.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F41J 1/12**

(54) • PROJECTILE STOPPING DEVICE
• DISPOSITIF D'ARRET DE PROJECTILES

(71) **UDS SCHÜTZENVEREIN REBURG 1997 E.V.** [DE/DE]; Wilhelm–Busch–Strasse 2, D–38723 Seesen (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **GRUBER, Heinz** [AT/DE]; Wilhelm–Busch–Strasse 2, D–38723 Seesen (DE).

(74) **SOBISCH, Peter**; Kosel, Sobisch & Skora, Odastrasse 4a, D–37581 Bad Gandersheim (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)*

---

(11) **WO 99/24776** (13) A1

(21) PCT/AU98/00929

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) PP 0216 (32) **6 Nov/nov 1997 (06.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F42B 3/188, F42C 13/04, F42D 1/05**

(54) • CONTROLLED ELECTROMAGNETIC INDUCTION DETONATION SYSTEM FOR INITIATION OF A DETONATABLE MATERIAL
• SYSTEME DE DETONATION A INDUCTION MAGNETIQUE CONTROLEE PERMETTANT L'AMORÇAGE D'UN MATERIAU APTE A LA DETONATION

(71) **ROCKTEK LTD.** [AU/AU]; Lot 236 Butler Street, Pinjarra, W.A. 6208 (AU). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **GAVRILOVIC, Mike** [AU/US]; Suite 170, 17301 West Colfax Avenue, Golden, CO 80401 (US). **WRIGHT, Keith** [AU/AU]; 398 Light Street, Dianella, W.A. 6062 (AU).

(74) **MIZZI, Anthony, Paul**; Griffith Hack, Level 6, 256 Adelaide Terrace, Perth, W.A. 6000 (AU).

(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).

---

(11) **WO 99/24777** (13) A1

(21) PCT/US98/23970

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,001 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/137,039 (32) **20 Aug/août 1998 (20.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F42B 5/02**

(54) • SOLID PROPELLANT CHARGE UNIT FOR FASTENERS
• UNITE DE CHARGE DE PROPULSEUR SOLIDE POUR ELEMENTS DE FIXATION

(63) US 08/967,001 (CIP) 10 Nov/nov 1997 (10.11.1997)
US 09/137,039 (CIP) 20 Aug/août 1998 (20.08.1998)

(71, 72) **LIN, Joe** [US/US]; 4114 King Cotton Lane, Missouri City, TX 77459 (US).

(74) **CASPERSON, John, R.**; P.O. Box 2174, Friendswood, TX 77549 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24778** (13) A1

(21) PCT/EP98/06772

(22) **24 Oct/oct 1998 (24.10.1998)**

(25) de (26) de

(31) 197 49 486.2 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F42B 5/18**

(54) • CONNECTION OF TUBULAR SECTIONS OF COMBUSTIBLE PROPELLANT CHARGE CASES
• RACCORDEMENT DE SECTIONS TUBULAIRES DE DOUILLES DE CHARGE PROPULSIVE COMBUSTIBLES

(71) **DYNAMIT NOBEL GMBH EXPLOSIVSTOFF– UND SYSTEMTECHNIK** [DE/DE]; Kaiserstrasse 1, D–53840 Troisdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FREIST, Michael** [DE/DE]; Ludwigstrasse 79, D–90763 Fürth (DE). **REDECKER, Klaus** [DE/DE]; Burgfarrnbacher Strasse 34, D–90431 Nürnberg (DE).

(74) **SCHERZBERG, Andreas** et al. / etc.; Dynamit Nobel Aktiengesellschaft, Patentabteilung, D–53839 Troisdorf (DE).

(81) NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24779** (13) A1

(21) PCT/EP98/07084

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 737.3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F42B 5/32, B21D 51/54**

(54) • BOUNDARY LIGHT CARTRIDGE AND PRODUCTION METHOD THEREFOR
• CARTOUCHE POUR LE BALISAGE ET SON PROCEDE DE FABRICATION

(71) **DYNAMIT NOBEL GMBH EXPLOSIVSTOFF– UND SYSTEMTECHNIK** [DE/DE]; Kaiserstrasse 1, D–53840 Troisdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BREDE, Uwe** [DE/DE]; Boenerstrasse 32, D–90765 Fürth (DE). **CANDIDUS, Jochen** [DE/DE]; Falkenstrasse 2, D–90513 Zirndorf (DE). **RIESS, Heinz** [DE/DE]; Wiesengrundstrasse 20, D–90765 Fürth (DE).

(74) **SCHERZBERG, Andreas** et al. / etc.; Dynamit Nobel Aktiengesellschaft, Patentabteilung, D–53839 Troisdorf (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24780** (13) A1

(21) PCT/EP98/06842

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) de (26) de

(31) 197 50 071.4 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **F42B 30/12**

(54) • PROPELLANT CHARGE CONTAINER
• CONTENANT A CHARGE PROPULSIVE

(71) **DYNAMIT NOBEL GMBH EXPLOSIVSTOFF– UND SYSTEMTECHNIK** [DE/DE]; Kaiserstrasse 1, D–53840 Troisdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DELL, Klaus–Jürgen** [DE/DE]; Friedensweg 14, D–57290 Neunkirchen (DE). **EICH, Johannes** [DE/DE]; Ulrather Blick 2, D–53840 Troisdorf (DE).

(74) **SCHERZBERG, Andreas** et al. / etc.; Dynamit Nobel Aktiengesellschaft, Patentabteilung, D–53839 Troisdorf (DE).

(81) CA IL NO TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24781** (13) A1

(21) PCT/AU98/00934

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) PP 0235 (32) **7 Nov/nov 1997 (07.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01B 5/004, 5/02, 5/14, 5/25, B60S 5/00**

(54) • COMPUTERISED VEHICLE ALIGNMENT SYSTEM
• SYSTEME INFORMATISE D'ALIGNEMENT DE VEHICULE

(71, 72) **MASON, James, Herbert** [AU/AU]; 2 Wellington Street, Narrabeen, NSW 2101 (AU).

(74) **BALDWIN SHELSTON WATERS**; 60 Margaret Street, Sydney, NSW 2000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24782** (13) A1

(21) PCT/GB98/03297

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9723915.6 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01B 5/16, 7/14**

(54) • METHOD AND DEVICE TO VERIFY AND MEASURE DOUBLE–TOOTHING OF A SPROCKET WHEEL
• PROCEDE ET DISPOSITIF SERVANT A CONTROLER ET A MESURER UN PIGNON A DOUBLE DENTURE

(71) **TECHNOLOGIES RESEARCH HOLDING S.A.** [LU/LU]; 35, rue Glesener, L–1631 Luxembourg (LU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GILL, Sheridan, Ralph** [GB/–]; La Bruyere, Sark (GB).

(74) **LEE, Nicholas, John**; Haseltine Lake & Co., Imperial House, 15–19 Kingsway, London WC2B 6UD (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24783** (13) A1

(21) PCT/US98/23588

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,277 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01B 7/004, 7/34, G01N 27/00, B25J 7/00**

(54) • MICROELECTROMECHANICAL POSITIONING APPARATUS
• POSITIONNEUR MICROELECTROMECANIQUE

(63) US 08/965,277 (CON) 6 Nov/nov 1997 (06.11.1997)

(71) **MCNC** [US/US]; 3021 Cornwallis Road, P.O. Box 12889, Research Triangle Park, NC 27709 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DHULER, Vijayakumar, R.** [IN/US]; Apartment V, 4210 Lynn Point Lane, Raleigh, NC 27613 (US). **WOOD, Robert, L.** [US/US]; 204 Barons Glenn, Cary, NC 27513 (US).

(74) **GOSNELL, Guy, R.** et al. / etc.; Bell Seltzer Intellectual Property Law Group of Alston & Bird, LLP, P.O. Drawer 34009, Charlotte, NC 28234 (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 IS JP KE KG KP KR KZ 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24784** (13) A1

(21) PCT/US98/18911

(22) **8 Sep/sep 1998 (08.09.1998)**

(25) en (26) en

(31) 08/967,624 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01B 9/02**

(54) • MONOLITHIC OPTICAL ASSEMBLY AND ASSOCIATED RETROREFLECTOR WITH BEAMSPLITTER ASSEMBLY
• ENSEMBLE OPTIQUE MONOLITHIQUE ET RETROREFLECTEUR ASSOCIE COMPORTANT UN ENSEMBLE SEPARATEUR DE FAISCEAUX

(71) **PLX INC.** [US/US]; 40 West Jefryn Boulevard, Deer Park, NY 11729 (US).

(72) **BLEIER, Zvi**; 23 Coconut Drive, Commack, NY 11725 (US). **VISHNIA, Itai**; 2377 Riverside Drive, Wantagh, NY 11793 (US).

(74) **GILMAN, Michael, R.**; Kaplan & Gilman L.L.P., 5th floor, 900 Route 9 North, Woodbridge, NJ 07095 (US).

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

(11) **WO 99/24785** (13) A1

(21) PCT/EP98/06425

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) BO97A000661 (32) **7 Nov/nov 1997 (07.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01B 11/24, 11/00**

(54) • OPTOELECTRONIC APPARATUS FOR THE DIMENSION AND/OR SHAPE CHECKING OF PIECES WITH COMPLEX TRIDIMENSIONAL SHAPE
• DISPOSITIF OPTOELECTRONIQUE SERVANT A VERIFIER LA DIMENSION ET/OU LA FORME DE PIECES PRESENTANT UNE FORME TRIDIMENSIONNELLE COMPLEXE

(71) **MARPOSS SOCIETA' PER AZIONI** [IT/IT]; Via Saliceto, 13, I–40010 Bentivoglio (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DANIELLI, Franco** [IT/IT]; Via Guicciardini, 17, I–40069 Zola Predosa (IT).

(74) **MINIUCCHI, Silvio**; Marposs S.p.A., Via Saliceto, 13, I–40010 Bentivoglio (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24786** (13) A1

(21) PCT/IB97/01406

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01B 11/24, 11/30**

(54) • OPTOELECTRONIC SYSTEM USING SPATIOCHROMATIC TRIANGULATION
• SYSTEME OPTOELECTRONIQUE UTILISANT UNE TRIANGULATION SPATIOCHROMATIQUE

(71) **STIL S.A.** [FR/FR]; Mercure C, 80, rue Charles Duchesne, F–13851 Aix en Provence Cedex 3 (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **COHEN–SABBAN, Joseph** [FR/FR]; Résidence Daphne 2.A., 22, allée des Cigales, F–13100 Aix en Provence (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 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 US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24787** (13) A2

(21) PCT/DE98/03078

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) de (26) de

(31) 197 48 127.2 (32) **31 Oct/oct 1997 (31.10.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01C**

(54) • NAVIGATION DEVICE FOR MOTOR VEHICLES
• DISPOSITIF DE NAVIGATION POUR VEHICULE AUTOMOBILE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE).

(72) **KREFT, Peter**; Kelbshof 2, D–30539 Hannover (DE).

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

---

(11) **WO 99/24788** (13) A1

(21) PCT/EP98/06482

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) de (26) de

(31) 197 48 909.5 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01C 19/72**

(54) • METHOD FOR AVOIDING ZERO–POINT ERRORS IN AN OPTICAL FIBRE SAGNAC–INTERFEROMETER
• PROCEDE PERMETTANT D'EVITER LES ERREURS DE RETOUR AU POINT ZERO DANS UN INTERFEROMETRE SAGNAC A FIBRES OPTIQUES

(71) **LITEF GMBH** [DE/DE]; Lörracher Strasse 18, D–79115 Freiburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HANDRICH, Eberhard** [DE/DE]; Keltenring 104, D–79199 Kirchzarten (DE). **SPAHLINGER, Günter** [DE/DE]; Hagbergstrasse 7, D–70188 Stuttgart (DE). **KEMMLER, Manfred** [DE/DE]; Alemannenstrasse 11, D–79279 Vörstetten (DE).

(74) **MÜLLER, Frithjof, E.**; Müller & Hoffmann, Innere Wiener Strasse 17, D–81667 München (DE).

(81) CA JP NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24789** (13) A1

(21) PCT/DE98/03216

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 50 049.8 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01D 3/028**

(54) • SENSOR ARRANGEMENT COMPRISING A SENSOR AND AN EVALUATION CIRCUIT
• ENSEMBLE CAPTEUR COMPOSE D'UN CAPTEUR ET D'UN CIRCUIT D'EVALUATION

(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) **SEILS, Wolfgang** [DE/DE]; Neckarweihinger Strasse 44, D–71640 Ludwigsburg (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24790** (13) A1

(21) PCT/US98/23413

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/966,260 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01D 5/353, G01H 9/00**

(54) • IMPROVED ARRAY TOPOLOGIES FOR IMPLEMENTING SERIAL FIBER BRAGG GRATING INTERFEROMETER ARRAYS
• TOPOLOGIES D'ENSEMBLES AMELIOREES DESTINEES A LA MISE EN OEUVRE D'ENSEMBLES D'INTERFEROMETRES A RESEAU DE BRAGG PAR FIBRES EN SERIE

(71) **CIDRA CORPORATION** [US/US]; 50 Barnes Park North, Wallingford, CT 06492 (US).

(72) **KERSEY, Aland, D.**; 75 Taylor Town Road, South Glastonbury, CT 06073 (US).

(74) **GRILLO, Michael**; CiDra Corporation, 50 Barnes Park North, Wallingford, CT 06492 (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).

---

(11) **WO 99/24791** (13) A1

(21) PCT/DE98/03212

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 524.9 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01F 1/684, 1/696**

(54) • DEVICE FOR MEASURING THE VOLUMETRIC FLOW OF A FLOWING MEDIUM
• DISPOSITIF PERMETTANT DE MESURER LE DEBIT VOLUMETRIQUE D'UN MILIEU FLUIDE

(71, 72) **REISSLAND, Martin–Ulrich** [DE/DE]; Islandstrasse 14, D–51645 Gummersbach (DE).

(74) **QUERMANN, Helmut**; Gustav–Freytag–Strasse 25, D–65189 Wiesbaden (DE).

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

---

(11) **WO 99/24792** (13) A1

(21) PCT/US97/20252

(22) **11 Nov/nov 1997 (11.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01F 1/704**

(54) • OPTICAL FLOWMETER
• DEBITMETRE OPTIQUE

(71) **GAS RESEARCH INSTITUTE** [US/US]; 8600 West Bryn Mawr Avenue, Chicago, IL 60631 (US).

(72) **AZZAZY, Medhat, T.**; 32292 Ridgeway Avenue, Laguna Niguel, CA 92677 (US).

(74) **PAULEY, Douglas, H.** et al. / etc.; Suite 365, 2800 West Higgins Road, Hoffman Estates, IL 60195 (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 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24793** (13) A1

(21) PCT/KR98/00361

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 1997/59179 (32) **11 Nov/nov 1997 (11.11.1997)** (33) KR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01F 23/14, 23/16**

(54) • LIQUID LEVEL DETECTOR
• DETECTEUR DE NIVEAU DE LIQUIDE

(71, 72) **KIM, Ui–Gyo** [KR/KR]; 703–4, Hupyong 3–dong, Chunchon–shi, Kangwon–do 200–163 (KR). **MOK, Do–Gyun** [KR/KR]; Dongbo Village 10–101, 857, Hupyong 1–dong, Chunchon–shi, Kangwon–do 200–161 (KR).

(74) **SONG, Ho–Chan** et al. / etc.; Chae & Song Patent & Trademark Office, Sung–Ji Heights III, Room 807, 642–6, Yoksam–dong, Kangnam–gu, 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 KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24794** (13) A1

(21) PCT/EP98/06870

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 297 19 585.9 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01F 23/296, B60P 3/24**

(54) • DEVICE FOR DETERMINING THE CONTENTS OF A TANK CHAMBER OF A MULTI–CHAMBER TANK VEHICLE
• DISPOSITIF POUR DETERMINER LE CONTENU D'UNE CELLULE DE RESERVOIR D'UN VEHICULE A RESERVOIR MULTI-CELLULAIRE

(71) **HENDRICKS BEHÄLTERFAHRZEUGBAU GMBH & CO. KG** [DE/DE]; Klever Strasse 135, D–46574 Goch (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BASTIANS–HENDRICKS, Hans Jürgen** [DE/DE]; Schweizer Strasse 40, D–47533 Kleve (DE).

(74) **MEINKE, Julius** et al. / etc.; Westenhellweg 67, D–44137 Dortmund (DE).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ DE EE GE GH GM 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 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 : *(c)*

---

(11) **WO 99/24795** (13) A1

(21) PCT/EP98/07185

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 873.6 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01G 11/08**

(54) • METHOD AND DEVICE FOR CONTINUOUS DOSING
• DISPOSITIF ET PROCEDE DE DOSAGE CONTINU

(71) **PFISTER GMBH** [DE/DE]; Stätzlinger Strasse 70, D–86165 Augsburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HÄFNER, Hans, Wilhelm** [DE/DE]; Fichtenweg 15, D–86551 Aichach–Walchshofen (DE).

(74) **FIENER, Josef**; Maximilianstrasse 57, Postfach 12 49, D–87712 Mindelheim (DE).

(81) AU BR CA CN CZ HR HU JP KR MX NO NZ PL SG SK TR UA US YU; EA (AM AZ BY KG 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)*

---

(11) **WO 99/24796** (13) A1

(21) PCT/US98/23735

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,724 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01J 1/02, G01B 9/00, A61N 5/06, A61H 5/02**

(54) • SYSTEMS AND METHODS FOR CALIBRATING LASER ABLATIONS
• SYSTEMES ET PROCEDES D'ETALONNAGE D'ABLATIONS PAR LASER

(63) US 60/064,724 (CIP) 6 Nov/nov 1997 (06.11.1997)

(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) **THOMPSON, Angelina** [US/US]; 4661 Albany Circle #120, San Jose, CA 95129 (US). **CLAPHAM, Terrance, N.** [US/US]; 19922 Via Escuela Drive, Saratoga, CA 95070 (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) AL AM AT AU AZ 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24797** (13) A1

(21) PCT/US98/24118

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,365 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01J 3/30, 21/64, 27/26, 27/447**

(54) • SINGLE MOLECULE IDENTIFICATION USING SELECTED FLUORESCENCE CHARACTERISTICS
• IDENTIFICATION DE MONOMOLECULES AU MOYEN DE CARACTERISTIQUES DE FLUORESCENCE SELECTIONNEES

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; LC/BPL, MS D412, Los Alamos National Laboratory, Los Alamos, NM 87545 (US).

(71, 72) **GOODWIN, Peter** [US/US]; 4259 Trinity Drive, Los Alamos, NM 87544 (US). **JETT, James, H.** [US/US]; 545 Navajo, Los Alamos, NM 87544 (US). **KELLER, Richard, A.** [US/US]; 4 La Rosa Court, Los Alamos, NM 87544 (US). **VAN ORDEN, Alan, K.** [US/US]; 70 Delicado Drive, Los Alamos, NM 87544 (US). **MACHARA, Nicholas, P.** [US/US]; Apartment No. 44, 13208 Bristlecone Way, Germantown, MD 20874 (US).

(74) **WILSON, Ray, G.** et al. / etc.; LC/BPL, MS D412, Los Alamos National Laboratory, Los Alamos, NM 87545 (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).

---

(11) **WO 99/24798** (13) A1

(21) PCT/FR98/02264

(22) **23 Oct/oct 1998 (23.10.1998)**

(25) fr (26) fr

(31) 97/14334 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01J 5/04**

(54) • APPARATUS FOR MEASURING TEMPERATURE
• APPAREIL DE MESURE DE TEMPERATURE

(71, 72) **ENGELS, France** [BE/FR]; Aubanel, F–83560 Ginasservis (FR).

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

Published / Publiée : *(a)*

---

(11) **WO 99/24799** (13) A1

(21) PCT/IB98/01792

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) BO97A000671 (32) **11 Nov/nov 1997 (11.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01K 3/04**

(54) • DEVICE FOR DETECTING, ASSESSING AND SIGNALING THAW OF FROZEN AND DEEP FROZEN FOODSTUFF
• DISPOSITIF PERMETTANT DE DETECTER, D'EVALUER ET DE SIGNALER LA DECONGELATION DE DENREES ALIMENTAIRES CONGELEES ET SURGELEES

(71) **INTEC S.R.L.** [IT/IT]; Loc. Taccoli S.S. Km., 52, I–62027 San Severino Marche (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MASSI, Nicola** [IT/IT]; Via Gennari, 20, I–63020 Fermo (IT).

(74) **DALL'OLIO, Giancarlo**; Invention S.a.s., Via delle Armi, 1, I–40137 Bologna (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24800** (13) A1

(21) PCT/CH98/00426

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) de (26) de

(31) 2555/97 (32) **5 Nov/nov 1997 (05.11.1997)** (33) CH

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01K 3/10**

(54) • APPARATUS FOR DISPLAYING A DIFFERENCE IN TEMPERATURE BETWEEN A SUPPORT AND A REFERENCE OBJECT
• APPAREIL POUR LA VISUALISATION D'UNE DIFFERENCE DE TEMPERATURE ENTRE UN SUPPORT ET UN OBJET DE REFERENCE

(71) **ELECTRICAL ENGINEERING COMPANY LTD.** [LI/LI]; c/o Allgemeines Treuunternehmen, Aeulestrasse 5, FL–9490 Vaduz (LI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STEDHAM, David** [US/US]; 85 Yellow Pine CR, Reno, NV 89511 (US).

(74) **SCHMAUDER & PARTNER AG**; Zwängiweg 7, CH–8038 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 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).

---

(11) **WO 99/24801** (13) A1

(21) PCT/IB98/01457

(22) **21 Sep/sep 1998 (21.09.1998)**

(25) en (26) en

(31) 08/966,725 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01K 7/00, G05F 3/26, H01L 27/02**

(54) • GENERATOR FOR GENERATING VOLTAGE PROPORTIONAL TO ABSOLUTE TEMPERATURE
• GENERATEUR POUR GENERER UNE TENSION PROPORTIONNELLE A LA TEMPERATURE ABSOLUE

(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) **ANG, Michael**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **KOPPEN, Jan**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

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

---

(11) **WO 99/24802** (13) A1

(21) PCT/US98/14181

(22) **10 Jul/juil 1998 (10.07.1998)**

(25) en (26) en

(31) 08/966,657 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01K 11/20**

(54) • MEASURING DECAY–TIME CONSTANT OF FLUORESCING PHOSPHORS
• MESURE DE LA CONSTANTE DE TEMPS DE DECROISSANCE DE LUMINOPHORES FLUORESCENTS

(71) **AMERICAN IRON AND STEEL INSTITUTE** [US/US]; Suite 1300, 1101 17th Street, N.W., Washington, DC 20036 (US).

(72) **BRITTON, Charles, L.**; 1425 Ramsay Street, Alcoa, TN 37701 (US). **BESHEARS, David, L.**; 723 Sunnydale Road, Knoxville, TN 37923 (US). **SIMPSON, Marc, L.**; 240 Wells Fargo Drive, Knoxville, TN 37922 (US). **CATES, Michael, R.**; 102–C Newridge Road, Oak Ridge, TN 37830 (US). **ALLISON, Steve, W.**; 406 Mapletree Drive, Knoxville, TN 37922 (US).

(74) **BEHRINGER, John, W.** et al. / etc.; Fitzpatrick, Cella, Harper & Scinto, 30 Rockefeller Place, New York, NY 10112–3801 (US).

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

---

(11) **WO 99/24803** (13) A1

(21) PCT/DE98/03322

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 907.4 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01L 1/12**

(54) • METHOD AND DEVICE FOR DETERMINING THE TENSILE OR COMPRESSIVE STRESS IN A FERRO–MAGNETIC MEMBER SUCH AS A PRESTRESSING, TENSION OR COMPRESSION ORGAN USED IN CIVIL ENGINEERING
• PROCEDE ET DISPOSITIF DE DETERMINATION DE CONTRAINTES DE TRACTION OU DE COMPRESSION DANS UN ELEMENT FERROMAGNETIQUE, NOTAMMENT UN ORGANE DE PRECONTRAINTE, DE TRACTION OU DE COMPRESSION DESTINE AU GENIE CIVIL

(71) **SUSPA SPANNBETON GMBH** [DE/DE]; Max–Planck–Ring 1, D–40764 Langenfeld (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WICHMANN, Hans–Joachim** [DE/DE]; Hordorfer Strasse 117, D–38104 Braunschweig (DE). **LAUBE, Martin** [DE/DE]; Köterei 13C, D–38108 Braunschweig (DE). **TEUTSCH, Manfred** [DE/DE]; Molkereiweg 18, D–38154 Königslutter (DE). **FALKNER, Horst** [DE/DE]; Hasselfelder Strasse 5A, D–38124 Braunschweig (DE).

(74) **EDER & SCHIESCHKE**; Elisabethstrasse 34/II, D–80796 München (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24804** (13) A1

(21) PCT/IT98/00043

(22) **27 Feb/fév 1998 (27.02.1998)**

(25) en (26) en

(31) RM97A000679 (32) **6 Nov/nov 1997 (06.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01L 1/22, 25/00, 27/00**

(54) • A STRAIN GAUGE STRIP AND APPLICATIONS THEREOF
• JAUGE DE CONTRAINTE ET APPLICATIONS

(71) **POWERCO S.R.L.** [IT/IT]; S.S. 7 per Mesagne Km 7+300, I–72100 Brindisi (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VOLODIN, Nicolay M.** [RU/RU]; Flat 155, 17 Panfilova Street, Chimki, Moscow Region (RU). **MIODUSHEVSKY, Pavel** [RU/RU]; Flat 7, 3/3 Pivchenkova Street, Moscow (RU). **KAMINSKY, Vladimir V.** [RU/RU]; Flat 16, 19 Bolshaya Zelenina Street, St.Petersburg (RU).

(74) **LEONE, Mario** et al. / etc.; Società Italiana Brevetti S.p.A., Piazza di Pietra, 39, I–00186 Roma (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 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 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).

---

(11) **WO 99/24805** (13) A1

(21) PCT/FR98/02269

(22) **23 Oct/oct 1998 (23.10.1998)**

(25) fr (26) fr

(31) 97/14019 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01L 3/10**

(54) • DEVICE FOR MEASURING TORSIONAL COUPLE ON A MECHANICAL ELEMENT
• DISPOSITIF DE MESURE D'UN COUPLE DE TORSION SUR UN ELEMENT MECANIQUE

(71) **SNR ROULEMENTS** [FR/FR]; 1, rue des Usines, Boîte Postale 2017, F–74010 Annecy (FR).

(72) **NICOT, Christophe**; 100, rue de la Prairie, F–74330 Epagny (FR).

(74) **FERNANDEZ, Francis**; Renault, Sce 0267 – TPZ – 0J2 – 1 10, 860, quai de Stalingrad, F–92109 Boulogne Billancourt (FR).

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

---

(11) **WO 99/24806** (13) A1

(21) PCT/US98/22349

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) en (26) en

(31) 08/967,870 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01M 3/00**

(54) • THERMALLY ACTIVATED CALIBRATION SYSTEM FOR CHEMICAL SENSORS
• SYSTEME D'ETALONNAGE ACTIVE THERMIQUEMENT POUR DETECTEURS CHIMIQUES

(71) **FISHER CONTROLS INTERNATIONAL, INC.** [US/US]; 8000 Maryland Avenue, Clayton, MO 63105 (US).

(72) **DILGER, John, Patrick**; 2703 275th Street, Marshalltown, IA 50158 (US).

(74) **READ, David, C.**; Marshall, O'Toole, Gerstein, Murray & Borun, 6300 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606–6402 (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).

---

(11) **WO 99/24807** (13) A2

(21) PCT/US98/23811

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 08/968,635 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N**

(54) • PERMITTIVITY SENSOR
• CAPTEUR DE PERMITTIVITE

(71) **CLIMONICS LTDA.** [CL/CL]; Avenida Americo Vespucio, 1387 Quilicura, Santiago (CL). **MINING TOOLS AND SERVICES, INC.** [US/US]; Presidential Business Centre, Unit D, 3696 West 2340 South, West Valley City, UT 84120 (US).

(72) **CARMONA, Rolando, A.**; Los Castores 1384, Lo Barnechea, Santiago (CL). **SOTO, Jaime, J.**; Jose Joaquin Perez 899, Depto. 51, San Bernardo, Santiago (CL). **SUSAETA, Andres**; Fleming 11020, Casa 15, Las Condes, Santiago (CL). **HERRERA, Leonardo, C.**; Isla de Man 5449, Lo Prado, Santiago (CL). **LEPE, Marcelo, I.**; Machu Picchu 923, La Reina, Santiago (CL). **ORELLANA, Marcelo, H.**; San Miguel 12450, Las Condes, Santiago (CL).

(74) **HANSRA, Tejpal, S.** et al. / etc.; Sheridan Ross P.C., Suite 3500, 1700 Lincoln Street, Denver, CO 80203–4501 (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).

---

(11) **WO 99/24808** (13) A1

(21) PCT/US98/23844

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 60/065,349 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 1/22, 1/24**

(54) • FUGITIVE EMISSION SENSING SYSTEM
• SYSTEME DE DETECTION D'EMISSIONS FUGITIVES

(71) **FISHER CONTROLS INTERNATIONAL, INC.** [US/US]; 8000 Maryland Avenue, Clayton, MO 63105 (US).

(72) **DILGER, John, Patrick**; 2703 275th Street, Marshalltown, IA 50158 (US). **GRABAU, Ted, D.**; 2365 Oak Park Road, Marshalltown, IA 50158 (US). **DIELSCHNEIDER, Nile, K.**; 117 Dwight, Conrad, IA 50621 (US). **MILLER, Meredith, D.**; 2512 Knollway Drive, Marshalltown, IA 50158 (US).

(74) **SCARPELLI, Nate, F.**; Marshall, O'Toole, Gerstein, Murray & Borun, 6300 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606–6402 (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).

---

(11) **WO 99/24809** (13) A1

(21) PCT/US98/22891

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/968,545 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 1/24**

(54) • SAMPLE RETRIEVAL SYSTEM
• SYSTEME DE RECUPERATION D'ECHANTILLONS

(71) **FISHER CONTROLS INTERNATIONAL, INC.** [US/US]; 8000 Maryland Avenue, Clayton, MO 63105 (US).

(72) **DILGER, John, Patrick**; 2703 275th Street, Marshalltown, IA 50158 (US).

(74) **SCARPELLI, Nate, F.**; Marshall, O'Toole, Gerstein, Murray & Borun, 6300 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606–6402 (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).

---

(11) **WO 99/24810** (13) A1

(21) PCT/EP98/07166

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 49 682.2 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 3/00, 19/04, H01R 4/02, 43/02**

(54) • TESTING METHOD FOR NON–DESTRUCTIVE TESTING OF A WELDED CONNECTOR, A TESTING DEVICE AND AN ULTRASONIC WELDING APPARATUS HAVING SUCH A DEVICE
• PROCEDE DE CONTROLE NON DESTRUCTIF D'UN ENSEMBLE SOUDE, DISPOSITIF DE CONTROLE ET APPAREIL A SOUDER PAR ULTRASONS COMPORTANT UN TEL DISPOSITIF

(71) **LISA DRÄXLMAIER GMBH** [DE/DE]; Brückenstrasse 16, D–84137 Vilsbiburg (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **EDER, Erich** [DE/DE]; Eschenweg 16, D–84149 Velden (DE). **REITHMAIER, Josef** [DE/DE]; Eichenweg 2, D–84175 Gerzen (DE).

(74) **KOHLMANN, Karl** et al. / etc.; Hoffmann . Eitle, Arabellastrasse 4, D–81925 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24811** (13) A1

(21) PCT/US98/17765

(22) **27 Aug/août 1998 (27.08.1998)**

(25) en (26) en

(31) 08/965,513 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 15/06**

(54) • LIQUID LEVEL GAUGE
• JAUGE DE NIVEAU DE LIQUIDE

(71) **CASCO PRODUCTS CORPORATION** [US/US]; 380 Horace Street, Bridgeport, CT 06610 (US).

(72) **MATTIS, Donald, J.**; 15 Douglas Drive, Norwalk, CT 06850 (US).

(74) **BITTMAN, Mitchell, D.**; Sequa Corporation, 3 University Plaza, Hackensack, NJ 07601 (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).

---

(11) **WO 99/24812** (13) A1

(21) PCT/US97/20160

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 17/00**

(54) • METHOD AND APPARATUS FOR MONITORING WEAR, CORROSION, AND RELATED PROBLEMS
• METHODE ET APPAREIL DE CONTROLE DE L'USURE, DE LA CORROSION ET DES PROBLEMES CONNEXES

(71) **BIOTRACES, INC.** [US/US]; 10517–A West Drive, Fairfax, VA 22030 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DRUKIER, Andrzej, K.** [US/US]; 10032 Park Woods Lane, Burke, VA 22015 (US).

(74) **GOLLIN, Michael, A.**; Spencer & Frank, Suite 300 East, 1100 New York Avenue, N.W., Washington, DC 20005–3955 (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 US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24813** (13) A1

(21) PCT/US98/24160

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/969,176 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 08/969,177 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 21/01, 33/48**

(54) • SELF–CONTAINED ASSAY DEVICE AND METHOD
• DISPOSITIF ET PROCEDE DE DOSAGE AUTONOME

(71, 72) **GOODMAN, David, B., P.** [US/US]; 1201 Grenox Road, Wynnewood, PA 19096–2218 (US). **PRYSTOWSKY, Michael, B.** [US/US]; 263 Sterling Road, Harrison, NY 10528 (US).

(74) **BALDWIN, Geraldine, F.** et al. / etc.; Pennie & Edmonds LLP, 1155 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24814** (13) A1

(21) PCT/DE98/03137

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) de (26) de

(31) 197 49 984.8 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 21/17, 25/18**

(54) • PROCESSES AND DEVICES FOR THE PHOTOTHERMAL INSPECTION OF A TEST BODY
• PROCEDE ET DISPOSITIFS D'ANALYSE THERMIQUE D'UN ECHANTILLON

(71) **FRAUNHOFER–GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Leonrodstrasse 54, D–80636 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WALLE, Günter** [DE/DE]; Am Geissrech 11, D–66399 Mandelbachtal (DE). **NETZELMANN, Udo** [DE/DE]; Neunkircher Strasse 182, D–66113 Saarbrücken (DE). **VETTERLEIN, Thomas** [DE/DE]; Wilhelmstrasse 3, D–63065 Offenbach am Main (DE).

(74) **RACKETTE PARTNERSCHAFT**; Kaiser–Joseph–Strasse 179, Postfach 13 10, D–79013 Freiburg (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)*

---

(11) **WO 99/24815** (13) A1

(21) PCT/CA98/01024

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 2,220,913 (32) **12 Nov/nov 1997 (12.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 21/35**

(54) • DETERMINATION OF ANIONIC SPECIES CONCENTRATION BY NEAR INFRARED SPECTROSCOPY
• DETERMINATION DE LA CONCENTRATION D'ESPECES ANIONIQUES PAR SPECTROSCOPIE INFRAROUGE PROCHE

(71) **KVAERNER CANADA INC.** [CA/CA]; 1818 Cornwall Avenue, Vancouver, British Columbia V6J 1C7 (CA). **PULP AND PAPER RESEARCH INSTITUTE OF CANADA** [CA/CA]; 570 St. John's Boulevard, Pointe–Claire, Quebec H9R 3J9 (CA).

(72) **KESTER, Michael**; #128–5800 Andrews Road, Richmond, British Columbia V7E 6M2 (CA). **LECLERC, Denys, F.**; #1–3586 Rainier Place, Vancouver, British Columbia V5S 4T3 (CA). **TRUNG, Thanh, P.**; #202–655 West 7th Avenue, Vancouver, British Columbia V5Z 1B6 (CA).

(74) **BARLOW, C., Brian**; Smith, Lyons, Scotia Plaza, Suite 5800, 40 King Street West, Toronto, Ontario M5H 3Z7 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/24816** (13) A1

(21) PCT/US98/23726

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/969,186 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 21/35**

(54) • METHODS FOR IDENTIFYING BIOLOGICAL MACROMOLECULE INTERACTIONS WITH COMPOUNDS
• PROCEDES D'IDENTIFICATION DES INTERACTIONS DE MACROMOLECULES BIOLOGIQUES AVEC DES COMPOSES

(71) **MILLENNIUM PHARMACEUTICALS, INC.** [US/US]; 5th floor, 238 Main Street, Cambridge, MA 02139 (US).

(72) **BREUNING, Reimar, C.**; 185 Hancock Street, Cambridge, MA 02139 (US). **MARSHALL, Shannon**; 370 S. Catalina Avenue #202, Pasadena, CA 91106 (US).

(74) **MEIKLEJOHN, Anita, L.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (US).

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

---

(11) **WO 99/24817** (13) A1

(21) PCT/US98/23801

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,747 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 21/64, A61L 2/26**

(54) • APPARATUS FOR READING A PLURALITY OF BIOLOGICAL INDICATORS
• APPAREIL DE LECTURE DE PLUSIEURS INDICATEURS BIOLOGIQUES

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(72) **BOLEA, Phillip, A.**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US). **ROSENLUND, Thomas**; P.O. Box 33427, Saint Paul, MN 55133–3427 (US).

(74) **HOHENSHELL, Jeffrey, 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) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24818** (13) A1

(21) PCT/DE98/03140

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) de (26) de

(31) 197 49 652.0 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 21/88, G01R 31/309**

(54) • PROCESS AND DEVICE FOR DETECTING THE LOCATION OF COMPONENTS AND/OR FOR CHECKING THE POSITION OF COMPONENT CONNECTIONS AND MOUNTING HEAD WITH A DEVICE FOR DETECTING THE LOCATION OF COMPONENTS AND/OR CHECKING THE POSITION OF COMPONENT CONNECTIONS
• PROCEDE ET DISPOSITIF PERMETTANT DE DETECTER LA POSITION DES COMPOSANTS ET/OU DE CONTROLER LA POSITION DES CONNEXIONS DES COMPOSANTS, ET TETE DE MANIPULATION DE COMPOSANTS COMPORTANT UN DISPOSITIF PERMETTANT DE DETECTER LES COMPOSANTS ET/OU DE VERIFIER LA POSITION DES CONNEXIONS DES COMPOSANTS

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D–80333 München (DE).

(72) **STREDELE, Bernhard**; Achstrasse 7, D–82449 Uffing (DE). **SCHNELLINGER, Stefan**; Schäftlarnstrasse 154, D–81371 München (DE). **WITTMANN, Günther**; Belgradstrasse 49, D–80796 München (DE). **GRASMÜLLER, Hans–Horst**; Kapellenstrasse 4, D–82291 Mammendorf (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24819** (13) A1

(21) PCT/DE98/03372

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 50 862.6 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 21/89, 21/86**

(54) • METHOD AND DEVICE FOR DETECTING VISCOUS LIQUIDS ON A SOLID, ESPECIALLY MOVING, UNDERSURFACE
• PROCEDE ET DISPOSITIF PERMETTANT LA DETECTION DE LIQUIDES SUR UN SUPPORT SOLIDE, NOTAMMENT MOBILE.

(71, 72) **LOERKE, Reinhard** [DE/DE]; Alter Postweg 6, D–03058 Haasow (DE).

(74) **HANNIG, Wolf–D.**; Cohausz Hannig Dawidowicz & Partner, Friedlander Strasse 37, D–12489 Berlin (DE).

(81) AU BG BR BY CA CN CZ EE HU JP KR LT LV MX NO 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24820** (13) A2

(21) PCT/US98/23306

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/963,286 (32) **3 Nov/nov 1997 (03.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 23/10**

(54) • APPARATUS AND METHOD FOR CONTAINING RADIOACTIVE SOURCES
• APPAREIL DESTINE A CONTENIR DES SOURCES RADIOACTIVES ET PROCEDE CORRESPONDANT

(71) **BSI INSTRUMENTS L.P.** [US/US]; Hopewell Business Park, 101 Corporation Drive, Aliquippa, PA 15001 (US).

(72) **SMITH, George, M., Jr.**; 311 Pine Road, Sewickley, PA 15143 (US). **GERBER, William, T., Jr.**; 239 Spencer Avenue, Pittsburgh, PA 15227 (US).

(74) **WOLF, Darren, E.** 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 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).

---

(11) **WO 99/24821** (13) A2

(21) PCT/US98/23708

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,899 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 24/00**

(54) • NUCLEAR MAGNETIC RESONANCE METHOD AND APPARATUS
• PROCEDE ET APPAREIL DE RESONANCE MAGNETIQUE NUCLEAIRE

(71) **VARIAN ASSOCIATES, INC.** [US/US]; 3050 Hansen Way, Palo Alto, CA 94304 (US).

(72) **ANDERSON, Weston**; 763 LaPara Avenue, Palo Alto, CA 94306 (US).

(74) **BERKOWITZ, Edward, H.** et al. / etc.; Varian Associates, Inc., 3100 Hansen Way, M/S E–339, Palo Alto, CA 94304 (US).

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

---

(11) **WO 99/24822** (13) A1

(21) PCT/US98/23751

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/968,659 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 25/20, 21/00, 31/00, 33/00, 21/29, 21/01, 33/53, 33/542, 33/543, 21/76, 27/26, B01L 3/00, C12Q 1/68**

(54) • RAPID SCREENING ASSAY METHODS AND DEVICES
• DISPOSITIFS ET METHODES DE DETERMINATION RAPIDE D'ENSEMBLES

(71) **FUNCTIONAL GENETICS, INC.** [US/US]; 620 Keats Court, Palo Alto, CA 94303 (US).

(72) **WANG, Mark, S.**; 3557 Farmhill Boulevard #6, Redwood City, CA 94061 (US). **LI, Limin**; 620 Keats Court, Palo Alto, CA 94303 (US).

(74) **ROWLAND, Bertram, I.** et al. / etc.; Flehr, Hohbach, Test, Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111–4187 (US).

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

---

(11) **WO 99/24823** (13) A1

(21) PCT/US98/23547

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/065,373 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/044,350 (32) **19 Mar/mar 1998 (19.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 27/26, 37/00**

(54) • NANOELECTRODE ARRAYS
• MATRICES DE NANOELECTRODES

(71) **PROTIVERIS, INC.** [US/US]; 4607 Harling Lane, Bethesda, MD 20814 (US).

(72) **PEETERS, John, P.**; 4607 Harling Lane, Bethesda, MD 20814 (US).

(74) **KELLY, Robert, L.**; Dykema Gossett PLLC, Suite 300, 1577 North Woodward Avenue, Bloomfield Hills, MI 48304–2820 (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).

---

(11) **WO 99/24824** (13) A1

(21) PCT/DE98/03288

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 49 216.9 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 27/327, C12Q 1/00, G01N 27/22, 27/414**

(54) • MEASURING DEVICE COMPRISING A SAMPLING CELL AND USED FOR DETECTING SMALL AMOUNTS OF SAMPLES IN LIQUIDS

• DISPOSITIF DE MESURE DOTE D'UNE CELLULE D'ECHANTILLON ET DESTINE A DETECTER DE PETITES QUANTITES D'ECHANTILLON CONTENUES DANS DES LIQUIDES

(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) **THUST, Marion** [DE/DE]; Unkeler Strasse 19, D–50939 Köln (DE). **SCHROTH, Peter** [DE/DE]; Lütticher Strasse 7, D–52064 Aachen (DE). **SCHÖNING, Michael–Josef** [DE/DE]; Düsseldorfer Strasse 34, D–52428 Jülich (DE). **LÜTH, Hans** [DE/DE]; Eupener Strasse 299B, D–52076 Aachen (DE). **KORDOS, Peter** [DE/DE]; Trierer Strasse 4, D–52428 Jülich (DE).

(74) **FORSCHUNGSZENTRUM JÜLICH GMBH**; Personal und Recht – Patente (PR–PT), D–52425 Jülich (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24825** (13) A1

(21) PCT/DE98/03319

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 100.6 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(31) 198 43 682.3 (32) **24 Sep/sep 1998 (24.09.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 27/36, C03C 3/32, 4/18**

(54) • PRODUCTION OF THE CHALCOGENIDE GLASS LAYER OF A HEAVY METAL ELECTRODE BY MEANS OF LASER ABLATION

• PRODUCTION DE LA COUCHE DE VERRE DE CHALCONURE D'UNE ELECTRODE DE DETECTION DE METAUX LOURDS PAR ABLATION PAR LASER

(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) **SCHÖNING, Michael, Josef** [DE/DE]; Düsseldorfer Strasse 34, D–52428 Jülich (DE). **ZANDER, Willi** [DE/DE]; Geusenstrasse 37, D–52457 Aldenhoven (DE). **SCHUBERT, Jürgen** [DE/DE]; Ginsterweg 11, D–50189 Elsdorf (DE). **LEGIN, Andrey** [RU/RU]; Research Institute of Chemistry, University of St. Petersburg, Chudnovskogo Street 8, Bld. 1, app. 344, St. Petersburg, 193318 (RU). **VLASOV, Yuri** [RU/RU]; Research Institute of Chemistry, University of St. Petersburg, Moskovskii pr. 173, app. 15, St. Petersburg, 19196 (RU). **KORDOS, Peter** [SK/DE]; Berliner Strasse 27, D–52428 Jülich (DE). **LÜTH, Hans** [DE/DE]; Eupener Strasse 299 B, D–52076 Aachen (DE).

(74) **FORSCHUNGSZENTRUM JÜLICH GMBH**; Personal und Recht – Patente, D–52425 Jülich (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24826** (13) A1

(21) PCT/GB98/03363

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723730.9 (32) **10 Nov/nov 1997 (10.11.1997)** (33) GB

(31) 9723731.7 (32) **10 Nov/nov 1997 (10.11.1997)** (33) GB

(31) 9812667.5 (32) **11 Jun/juin 1998 (11.06.1998)** (33) GB

(31) 9812668.3 (32) **11 Jun/juin 1998 (11.06.1998)** (33) GB

(31) 9812671.7 (32) **11 Jun/juin 1998 (11.06.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 27/416**

(54) • A GAS SENSOR

• DETECTEUR DE GAZ

(71) **CENTRAL RESEARCH LABORATORIES LIMITED** [GB/GB]; Dawley Road, Hayes, Middlesex UB3 1HH (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DODGSON, John** [GB/GB]; 71 Ballards Way, Croydon, Surrey CR2 7JP (GB). **SHAW, John, Edward, Andrew** [GB/GB]; 45 Colne Avenue, West Drayton, Middlesex UB7 7AL (GB). **AUSTEN, Malcolm** [GB/GB]; 6 Moray Avenue, Hayes, Middlesex UB3 2AU (GB). **BACKES, Monica** [GB/GB]; 3 Hurley Court, 57 Castlebar Road, Ealing W5 2DG (GB).

(74) **WALKER, Neville, Daniel, Alan**; QED I.P. Services Limited, Dawley Road, Hayes, Middlesex UB3 1HH (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24827** (13) A1

(21) PCT/US98/23661

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,738 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 27/447**

(54) • MICROFABRICATED CAPILLARY ARRAY ELECTROPHORESIS DEVICE AND METHOD

• DISPOSITIF D'ELECTROPHORESE MICROFABRIQUE A ARRANGEMENT CAPILLAIRE ET SON PROCEDE D'UTILISATION

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 22nd floor, 300 Lakeside Drive, Oakland, CA 94612–3550 (US).

(72) **SIMPSON, Peter, C.**; 95 Linda Avenue #308, Oakland, CA 94611 (US). **MATHIES, Richard, A.**; 93 Danefield Place, Moraga, CA 94556–1224 (US). **WOOLLEY, Adam, T.**; Apartment #1, 45 Dartmouth Street, Belmont, MA 02178–3643 (US).

(74) **EGAN, William, J., III**; Fish & Richardson P.C., Suite 100, 2200 Sand Hill Road, Menlo Park, CA 94025 (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).

---

(11) **WO 99/24828** (13) A1

(21) PCT/US98/24202

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,100 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 27/447**

(54) • SERPENTINE ELECTROPHORESIS CHANNEL WITH SELF–CORRECTING BENDS

• CANAL D'ELECTROPHORESE EN SERPENTIN A COURBES AUTO–CORRECTRICES

(71) **THE PERKIN–ELMER CORPORATION** [US/US]; 850 Lincoln Centre Drive, Foster City, CA 94404 (US).

(72) **NORDMAN, Eric, S.**; 2150 Middlefield Road, Palo Alto, CA 94301 (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).

---

(11) **WO 99/24829** (13) A1

(21) PCT/CH98/00478

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) fr (26) fr

(31) 97/14458 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 30/68, 27/62**

(54) • APPARATUS AND METHOD FOR GAS PHASE CHROMATOGRAPHY
• APPAREIL ET PROCEDE DE CHROMATOGRAPHIE EN PHASE GAZEUSE

(71, 72) **NGUYEN, Huu–Phuoc** [FR/CH]; Chemin des Vignes 2A, CH–1162 Saint–Prex (CH).

(74) **NITHARDT, Roland**; Cabinet Roland Nithardt, Conseils en Propriété Industrielle S.A., Y–Parc, Chemin de la Sallaz, CH–1400 Yverdon–les–Bains (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 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).

---

(11) **WO 99/24830** (13) A1

(21) PCT/US98/23198

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 60/064,779 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 33/20**

(54) • METHOD FOR DIAGNOSING ALZHEIMER'S DISEASE
• PROCEDE POUR DIAGNOSTIQUER LA MALADIE D'ALZHEIMER

(71) **BRISTOL–MYERS SQUIBB COMPANY** [US/US]; P.O. Box 4000, Princeton, NJ 08543–4000 (US).

(72) **ARONSON, Jeffrey, K.**; 8 Lathbury Road, Oxford OX2 7AU (GB). **DE SILVA, Asita, H.**; 4 Green Path, Kohuwala (LK). **GRAHAME–SMITH, David, G.**; Romney, Lincombe Lane, Boars Hill, Oxford OX1 5DY (GB).

(74) **RODNEY, Burton** 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 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 : *(c)*

---

(11) **WO 99/24831** (13) A1

(21) PCT/JP98/05043

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/309069 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 9/346842 (32) **16 Dec/déc 1997 (16.12.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 33/49**

(54) • METHOD OF COUNTING LEUKOCYTES AND LEUKOCYTE COUNTER
• PROCEDE ET DISPOSITIF DE NUMERATION DE GLOBULES BLANCS

(71) **KOWA COMPANY, LTD.** [JP/JP]; 6–29, Nishiki 3–chome, Naka–ku, Nagoya–shi, Aichi 460–0003 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YABUSAKI, Katsumi** [JP/JP]; A–102, 2–5–1, Umezono, Tsukuba–shi, Ibaraki 305–0045 (JP).

(74) **TOYAMA, Tsutomu** et al. / etc.; Yokoyama Building, 6th floor, 4–10, Higashi Nohonbashi 3–chome, Chuo–ku, Tokyo 103–0004 (JP).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24832** (13) A1

(21) PCT/US98/23667

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,937 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 33/50, 33/569, 33/68, 15/14**

(54) • DISTINGUISHING OF VIABLE, EARLY APOPTOTIC AND NECROTIC CELLS
• DISTINCTION ENTRE DES CELLULES VIVANTES, DES CELLULES DE PROTOAPOPTOSE, ET DES CELLULES NECROTIQUES

(71) **COULTER INTERNATIONAL CORP.** [US/US]; Mail Code 32–A02, 11800 S.W. 147 Avenue, Miami, FL 33196 (US).

(72) **BOLTON, Wade, E.**; 841 S.W. 87th Terrace, Plantation, FL 33324 (US). **KOESTER, Steven, K.**; 310 N.W. 190th Avenue, Pembroke Pines, FL 33029 (US).

(74) **KURZ, Warren, W.** et al. / etc.; Coulter International Corp., Mail Code 32–A02, P.O. Box 169015, Miami, FL 33116–9015 (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)*

---

(11) **WO 99/24833** (13) A1

(21) PCT/GB98/03407

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723773.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 33/53, 33/543**

(54) • HAPTOGLOBIN ASSAY
• DOSAGE D'HAPTOGLOBINE

(71) **THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW** [GB/GB]; Gilbert Scott Building, University Avenue, Glasgow G12 8QQ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ECKERSALL, Peter, David** [GB/GB]; Ardtornish, 30 Sutherland Avenue, Glasgow G41 4HQ (GB).

(74) **McCALLUM, William, Potter** et al. / etc.; Cruikshank & Fairweather, 19 Royal Exchange Square, Glasgow G1 3AE (GB).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24834** (13) A1

(21) PCT/US98/23697

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,708 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 33/543, 33/544, 33/545, 33/551, 33/553, 33/554, 35/08, B01L 9/00**

(54) • COMBINATORIAL CHEMISTRY SYSTEM AND METHOD OF USE
• SYSTEME DE CHIMIE COMBINATOIRE ET PROCEDE D'UTILISATION

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

(72, 75) **WINOGRAD, Nicholas** [US/US]; Box 49F, Spring Mills, PA 16875 (US). **BRAUN, Robert** [US/US]; 233 Val Verda, Pennsylvania Furnace, PA 16865 (US). **HESSIER, Robert, J.** [US/US]; 44 Strawberry Hill Avenue, Stamford, CT 06902 (US).

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

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

---

(11) **WO 99/24835** (13) A2

(21) PCT/EP98/06591

(22) **17 Oct/oct 1998 (17.10.1998)**

(25) en (26) en

(31) 97119018.6 (32) **31 Oct/oct 1997 (31.10.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 33/68, C07K 14/78, 16/18**

(54) • AN IMMUNOASSAY FOR PROCOLLAGEN–III–C–TERMINAL PROPEPTIDE
• IMMUNO–ESSAI POUR PROPEPTIDE DE PROCOLLAGENE III A TERMINAL C

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D–51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BURCHARDT, Elmar, Reinhold** [DE/DE]; Dorfstrasse 28, D–58239 Schwerte (DE). **KROLL, Werner** [DE/DE]; Pfaffenberger Weg 310, D–42659 Solingen (DE). **NEUMANN, Rainer** [DE/DE]; Olefstrasse 11, D–50937 Köln (DE). **SCHRÖDER, Werner** [DE/DE]; Am Rohm 91, D–42113 Wuppertal (DE). **VÖLKER, Michael** [DE/DE]; Morgengraben 2, D–51061 Köln (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D–51368 Leverkusen (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24836** (13) A1

(21) PCT/US98/23435

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,911 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/064,912 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/064,983 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/064,900 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/064,988 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/064,987 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/064,908 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/064,984 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 60/064,985 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 06/066,094 (32) **17 Nov/nov 1997 (17.11.1997)** (33) US

(31) 06/066,100 (32) **17 Nov/nov 1997 (17.11.1997)** (33) US

(31) 06/066,089 (32) **17 Nov/nov 1997 (17.11.1997)** (33) US

(31) 06/066,095 (32) **17 Nov/nov 1997 (17.11.1997)** (33) US

(31) 06/066,090 (32) **17 Nov/nov 1997 (17.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01N 33/68, 33/53, C07K 16/00, C12N 15/11, 15/12, 15/00, 15/63, A61K 38/17, 38/16, C12P 21/02**

(54) • 125 HUMAN SECRETED PROTEINS
• 125 PROTEINES SECRETEES HUMAINES

(71) **HUMAN GENOME SCIENCES, INC.** [US/US]; 9410 Key West Avenue, Rockville, MD 20850 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FENG, Ping** [CN/US]; 4 Relda Court, Gaithersburg, MD 20878 (US). **CARTER, Kenneth, C.** [US/US]; 11601 Brandy Hall Lane, North Potomac, MD 20878 (US). **ENDRESS, Gregory, A.** [US/US]; 9729 Clagett Farm Drive, Potomac, MD 20854 (US). **ROSEN, Craig, A.** [US/US]; 22400 Rolling Hill Road, Laytonsville, MD 20882 (US). **RUBEN, Steven, M.** [US/US]; 18528 Heritage Hills Drive, Olney, MD 20832 (US). **JANAT, Fouad** [US/US]; 140 High Street #202, Westerly, RI 02891 (US). **NI, Jian** [CN/US]; 5502 Manorfield Road, Rockville, MD 20853 (US). **WEI, Ying–Fei** [CN/US]; 1714–C Marina Court, San Mateo, CA 94403 (US). **MOORE, Paul, A.** [GB/US]; 19005 Leatherbark Drive, Germantown, MD 20874 (US). **SOPPET, Daniel, R.** [US/US]; 15050 Stillfield Place, Centreville, VA 22020 (US). **KYAW, Hla** [MM/US]; 520 Sugarbush Circle, Frederick, MD 21703 (US). **LaFLEUR, David, W.** [CN/US]; 3142 Quesada Street, N.W., Washington, DC 20015 (US). **OLSEN, Henrik, S.** [DK/US]; 182 Kendrick Place #24, Gaithersburg, MD 20878 (US). **SHI, Yanggu** [CN/US]; 437 West Side Drive #102, Gaithersburg, MD 20878 (US). **EBNER, Reinhard** [DE/US]; 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 (US).

(74) **HOOVER, Kenley, K.** et al. / etc.; Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD 20850 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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 : *(m)*

---

(11) **WO 99/24837** (13) A1

(21) PCT/DE98/03189

(22) **31 Oct/oct 1998 (31.10.1998)**

(25) de (26) de

(31) 197 48 996.6 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01P 3/44**

(54) • BALL BEARING WITH INTEGRATED SENSOR
• ROULEMENT A BILLES COMPORTANT UN CAPTEUR INTEGRE

(71, 72) **SCHARRER, Wolfgang** [DE/DE]; Ottenhof 61, D–91287 Plech (DE). **VOGEL, Edwin** [DE/DE]; Ellenstrasse 4, D–86643 Rennertshofen Ellenbrunn (DE).

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

---

(11) **WO 99/24838** (13) A1

(21) PCT/US98/23718

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/968,316 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01R 1/04**

(54) • MANIPULATOR FOR AUTOMATIC TEST EQUIPMENT WITH ACTIVE COMPLIANCE
• MANIPULATEUR POUR EQUIPEMENT DE TEST AUTOMATIQUE A SOUPLESSE ACTIVE

(71) **TERADYNE, INC.** [US/US]; 321 Harrison Avenue, Boston, MA 02118 (US).

(72) **ALDEN, John, Christopher**; Apartment 1, 7 Leyden Avenue, Medford, MA 02155 (US).

(74) **GAMACHE, Richard, E.**; Teradyne, Inc., 321 Harrison Avenue, Boston, MA 02118 (US).

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

---

(11) **WO 99/24839** (13) A1

(21) PCT/US98/22916

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/968,081 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01R 23/10**

(54) • HIGH FREQUENCY MEASURING CIRCUIT
• CIRCUIT DE MESURE DE HAUTES FREQUENCES

(71) **FISHER CONTROLS INTERNATIONAL, INC.** [US/US]; 8000 Maryland Avenue, Clayton, MO 63105 (US).

(72) **DILGER, John, Patrick**; 2703 275th Street, Marshalltown, IA 50158 (US). **DIELSCHNEIDER, Nile, K.**; 117 Dwight, Concord, IA 50621 (US).

(74) **SCARPELLI, Nate, F.**; Marshall, O'Toole, Gerstein, Murray & Borun, 6300 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606–6402 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24840** (13) A1

(21) PCT/DE98/03170

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) de (26) de

(31) 197 49 842.6 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01R 31/28**

(54) • DEVICE FOR CHECKING AN ELECTRIC DRIVE
• DISPOSITIF PERMETTANT DE CONTROLER UN MOTEUR ELECTRIQUE

(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) **BENKE, Harald–Peter** [DE/DE]; Graslitzer Strasse 6, D–63796 Kahl (DE). **HORBACH, Robert** [DE/DE]; Königsberger Strasse 11c, D–63755 Alzenau (DE). **KUTZER, Heinz** [DE/DE]; Friedrich–Ebert–Strasse 46, D–63477 Maintal (DE).

(74) **SIEMENS AG**; Postfach 22 16 34, D–80506 München (DE).

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

Published / Publiée : *(c)*

(11) **WO 99/24841** (13) A1

(21) PCT/US98/23420

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/965,919 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01R 31/28**

(54) • BOUNDARY SCAN SYSTEM WITH ADDRESS DEPENDENT INSTRUCTIONS
• SYSTEME BOUNDARY SCAN A INSTRUCTIONS LIEES AUX ADRESSES

(71) **ATMEL CORPORATION** [US/US]; 2325 Orchard Parkway, San Jose, CA 95131 (US).

(72) **RAMAMURTHY, Srinivas**; 1079 Gruwell Place, San Jose, CA 95129 (US). **TAM, Jinglun**; 1530 Hemmingway Road, San Jose, CA 95132 (US). **GONGWER, Geoffrey, S.**; 1148 McBain Avenue, Campbell, CA 95008 (US). **FAHEY, James, Jr.**; 26 bis, de la Paix, F–13100 Aix en Provence (FR).

(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).

Published / Publiée : *(b)*

---

(11) **WO 99/24842** (13) A1

(21) PCT/US98/23869

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/968,142 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01R 31/36**

(54) • METHOD AND APPARATUS FOR BATTERY GAUGING IN A PORTABLE COMMUNICATION DEVICE
• PROCEDE ET APPAREIL DE CALIBRAGE D'ACCUMULATEUR DANS UN DISPOSITIF DE TELECOMMUNICATION PORTABLE

(71) **QUALCOMM INCORPORATED** [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US).

(72) **HUTCHISON, James, A., IV**; 2013 Cardinal Drive, San Diego, CA 92123 (US). **MALONEY, John, E.**; 10030–53 Scripps Vista Way, San Diego, CA 92131 (US).

(74) **MILLER, Russell, B.** et al. / etc.; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (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 : *(c)*

---

(11) **WO 99/24843** (13) A1

(21) PCT/US98/23707

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,842 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01R 33/34**

(54) • REDUCTION OF THE EFFECTIVE MAGNETIC SUSCEPTIBILITY OF SUPERCONDUCTING MATERIALS IN NUCLEAR MAGNETIC RESONANCE (NMR) PROBES
• REDUCTION DE LA SUSCEPTIBILITE MAGNETIQUE EFFECTIVE DE MATERIAUX SUPRACONDUCTEURS DANS DES SONDES A RESONANCE MAGNETIQUE NUCLEAIRE (RMN)

(71) **VARIAN ASSOCIATES, INC.** [US/US]; 3050 Hansen Way, Palo Alto, CA 94304 (US).

(72) **ANDERSON, Weston**; 763 LaPara Avenue, Palo Alto, CA 94306 (US). **WITHERS, Richard, S.**; 898 West McKinley Avenue, Sunnyvale, CA 94086 (US).

(74) **BERKOWITZ, Edward, H.** et al. / etc.; Varian Associates, Inc., 3100 Hansen Way, M/S E–339, Palo Alto, CA 94304 (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)*

---

(11) **WO 99/24844** (13) A1

(21) PCT/US98/23731

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,735 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01R 33/34**

(54) • COPLANAR HTS RF PROBE COIL ARRANGEMENT FOR MULTIFREQUENCY NMR EXCITATION
• AGENCEMENT COPLANAIRE D'ENROULEMENTS DE SONDE HAUTE FREQUENCE ET A SUPRACONDUCTION HAUTE TEMPERATURE (HTS) POUR EXCITATION RMN MULTIFREQUENCE

(71) **VARIAN ASSOCIATES, INC.** [US/US]; 3050 Hansen Way, Palo Alto, CA 94304 (US).

(72) **ANDERSON, Weston**; 763 LaPara Avenue, Palo Alto, CA 94306 (US). **WITHERS, Richard, S.**; 898 West McKinley Avenue, Sunnyvale, CA 94086 (US). **DELIN, Kevin, A.**; Apartment H, 943 Fairview Avenue, Arcadia, CA 91007 (US). **FUKS, Luiz, Felipe**; 214 East Warren Common, Fremont, CA 94539 (US). **WONG, Wai, Ha**; 10175 Tantau Avenue, Cupertino, CA 94014 (US).

(74) **BERKOWITZ, Edward, H.** et al. / etc.; Varian Associates, Inc., 3100 Hansen Way, M/S E–339, Palo Alto, CA 94304 (US).

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

---

(11) **WO 99/24845** (13) A1

(21) PCT/US98/23732

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,730 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01R 33/34**

(54) • REDUCTION OF THE EFFECTIVE MAGNETIC SUSCEPTIBILITY OF SUPERCONDUCTING MATERIALS IN NUCLEAR MAGNETIC RESONANCE (NMR) PROBES
• REDUCTION DE LA SUSCEPTIBILITE MAGNETIQUE EFFECTIVE DE MATERIAUX SUPRACONDUCTEURS DANS DES SONDES A RESONANCE MAGNETIQUE NUCLEAIRE (RMN)

(71) **VARIAN ASSOCIATES, INC.** [US/US]; 3050 Hansen Way, Palo Alto, CA 94304 (US).

(72) **ANDERSON, Weston**; 763 LaPara Avenue, Palo Alto, CA 94306 (US).

(74) **BERKOWITZ, Edward, H.** et al. / etc.; Varian Associates, Inc., 3100 Hansen Way, M/S E–339, Palo Alto, CA 94304 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24846** (13) A1

(21) PCT/EP98/07228

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 818.3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(31) 198 28 079.3 (32) **24 Jun/juin 1998 (24.06.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01S 5/14, 1/04, G01C 21/20**

(54) • METHOD AND DEVICE FOR DETERMINING MEASURING PERIODS FOR SATELLITE MEASUREMENT OF POINTS AT LEAST PARTIALLY SURROUNDED BY VISUAL OBSTACLES
• DISPOSITIF ET PROCEDE PERMETTANT DE DETERMINER DES PERIODES DE MESURE POUR LA MESURE PAR SATELLITES DE POINTS ENTOURES AU MOINS PARTIELLEMENT D'OBSTACLES A LA VUE

(71, 72) **LOHMAR, Franz, Josef** [DE/DE]; Iltisweg 11, D–51503 Rösrath (DE).

(74) **HILLERINGMANN, Jochen** et al. / etc.; (Deichmannhaus), Bahnhofsvorplatz 1, D–50667 Köln (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24847** (13) A1

(21) PCT/EP98/06292

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) de (26) de

(31) 197 49 991.0 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01S 13/56, 7/35**

(54) • MOTION DETECTOR

- DETECTEUR DE DEPLACEMENT

(71, 72) **JANUS, Dietmar** [DE/DE]; Germersheimer Strasse 51, D–90469 Nürnberg (DE).

(74) **RAU, Manfred** et al. / etc.; Königstrasse 2, D–90402 Nürnberg (DE).

(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 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).

---

(11) **WO 99/24848** (13) A1

(21) PCT/US98/22875

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 60/065,383 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01T 1/29**

(54)
- A MULTI–SLICE PET SCANNER FROM SIDE–LOOKING PHOSWICH SCINTILLATORS
- TOMOGRAPHE PAR EMISSIONS DE POSITRONS A COUPES MULTIPLES FABRIQUE A PARTIR DE SCINTILLATEURS PHOSWICH A ORIENTATION LATERALE

(71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; Bethesda, MD 20892 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GREEN, Michael, V.** [US/US]; 5112 White Flint Drive, Kensington, MD 20895 (US). **SEIDEL, Jürgen** [DE/US]; 8803 Mead Street, Bethesda, MD 20817 (US). **GANDLER, William** [US/US]; 118 Monroe Street #1203, Rockville, MD 20850 (US). **VAQUERO, Juan, Jose** [ES/US]; 5315 Locust Avenue, Bethesda, MD 20814 (US). **SIEGEL, Stefan** [US/US]; 3515 Nimitz Road, Kensington, MD 20895 (US). **MAJEWSKI, Stan** [US/US]; 129 Winders Lane, Grafton, VA 23606 (US). **WEISSENBERGER, Drew** [US/US]; 123 Brandywine Drive, Grafton, VA 23692 (US).

(74) **KRUEGER, Charles, E.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24849** (13) A1

(21) PCT/RU98/00362

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) ru (26) ru

(31) 97119534 (32) **6 Nov/nov 1997 (06.11.1997)** (33) RU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01V 3/12, G01S 13/02, 13/88, G01V 3/17**

(54)
- RADIO–LOCALISATION PROBING METHOD AND DIFFERENTIAL RADAR DEVICE FOR REALISING THE SAME
- PROCEDE DE SONDAGE PAR RADIOLOCALISATION ET DISPOSITIF DE TYPE RADAR DIFFERENTIEL PERMETTANT DE METTRE EN OEUVRE CE PROCEDE

(71, 72) **KHOKHLUSHKINA, Faina Alexandrovna** [RU/RU]; Nagatinskaya nab., 18–82, Moscow, 115533 (RU). **LOZOVSKY, Leonid Abramovich** [LV/LV]; ul. Brantkalna, 17–27, Riga, 1082 (LV). **DYADKIN, Iosif Getselevich** [RU/RU]; Migalovskaya nab., 2–54, Tver, 170040 (RU). **MELENTIEV, Yan Pavlovich** [LV/LV]; ul. Lokomotives, 94–60, Riga, 1034 (LV). **SHERSHAKOV, Vladimir Nikolaevich** [LV/LV]; ul. Dzenyu, 10–139, Riga, 1021 (LV).

(74) **KHOKHLUSHKINA, Faina Alexandrovna**; Nagatinskaya nab., 18–82, Moscow, 115533 (RU).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24850** (13) A1

(21) PCT/EP98/07136

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 199.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(31) 198 10 231.3 (32) **10 Mar/mar 1998 (10.03.1998)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G01V 8/14**

(54)
- OPTOELECTRONIC DEVICE
- DISPOSITIF OPTOELECTRONIQUE

(71) **LEUZE ELECTRONIC GMBH + CO.** [DE/DE]; Postfach 11 11, In der Braike 1, D–73277 Owen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARGAST, Martin** [DE/DE]; Eichenstrasse 32, D–72584 Hülben (DE). **FAUTH, Siegfried** [DE/DE]; Hülenbergstrasse 6, D–73230 Kirchheim (DE). **LÖFFLER, Harald** [DE/DE]; Brühler Strasse 204, D–42657 Solingen (DE).

(74) **RUCKH, Rainer**; Leuze Electronic GmbH & Co., In der Braike 1, D–73277 Owen (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)*

---

(11) **WO 99/24851** (13) A1

(21) PCT/US98/23890

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/969,411 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 1/10, 5/08, G21K 1/06**

(54)
- PASSIVATING OVERCOAT BILAYER FOR MULTILAYER REFLECTIVE COATINGS FOR EXTREME ULTRAVIOLET LITHOGRAPHY
- DOUBLE COUCHE SUPERIEURE DE PASSIVATION POUR REVETEMENT REFLECTEUR MULTICOUCHE POUR LITHOGRAPHIE PAR ULTRAVIOLETS EXTREMES

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 22nd floor, 300 Lakeside Drive, Oakland, CA 94612 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MONTCALM, Claude** [–/US]; 4663 Gerrilyn Way #241, Livermore, CA 94550 (US). **STEARNS, Daniel, G.** [–/US]; 1641 Dallas Court, Los Altos, CA 94024 (US). **VERNON, Stephen, P.** [–/US]; 1134 Navalle Court, Pleasanton, CA 94566 (US).

(74) **GRZYBICKI, Daryl, S.**; P.O. Box 808, L–703, Livermore, CA 94550 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24852** (13) A1

(21) PCT/JP98/04701

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) ja (26) ja

(31) 9/283330 (32) **16 Oct/oct 1997 (16.10.1997)** (33) JP

(31) 9/283332 (32) **16 Oct/oct 1997 (16.10.1997)** (33) JP

(31) 9/319340 (32) **20 Nov/nov 1997 (20.11.1997)** (33) JP

(31) 9/327769 (32) **28 Nov/nov 1997 (28.11.1997)** (33) JP

(31) 9/335352 (32) **5 Dec/déc 1997 (05.12.1997)** (33) JP

(31) 9/359583 (32) **26 Dec/déc 1997 (26.12.1997)** (33) JP

(31) 10/10215 (32) **22 Jan/jan 1998 (22.01.1998)** (33) JP

(31) 10/10195 (32) **22 Jan/jan 1998 (22.01.1998)** (33) JP

(31) 10/54666 (32) **6 Mar/mar 1998 (06.03.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 5/32, 5/30, 5/18, G02F 1/13, G11B 7/135, G09F 9/00, G03H 1/04, H04N 5/74, 9/31, G02B 3/00, F21V 8/00, G02F 1/1333**

(54)
- HOLOGRAM ELEMENT POLARIZATION SEPARATING DEVICE, POLARIZATION ILLUMINATING DEVICE, AND IMAGE DISPLAY
- DISPOSITIF DE SEPARATION DE LA POLARISATION D'ELEMENTS D'HOLOGRAMME, DISPOSITIF D'ECLAIRAGE PAR POLARISATION ET AFFICHAGE D'IMAGE

(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) **OGIWARA, Akifumi** [JP/JP]; 2–7–9, Minamikuzuha, Hirakata–shi, Osaka 573–1105 (JP). **KURATOMI, Yasunori** [JP/JP]; L 101, 1–1, Yurinokidai, Sanda–shi, Hyogo 669–1324 (JP).

(74) **OHMAE, Kaname**; Lions Building Ohtemae, 2nd floor, 3–14, Uchihiranomachi 2–chome, Chuo–ku, Osaka–shi, Osaka 540–0037 (JP).

(81) KR US; EP (DE FR GB).

---

(11) **WO 99/24853** (13) A1

(21) PCT/FR98/02367

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/14206 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 6/122**

(54) • OPTICAL DEVICE WITH WAVEGUIDE FOR TRANSFERRING ELECTROMAGNETIC ENERGY IN THE FORM OF A RADIATION BEAM
• DISPOSITIF OPTIQUE A GUIDE D'ONDES POUR LE TRANSFERT D'ENERGIE ELECTROMAGNETIQUE SOUS FORME D'UN FAISCEAU DE RAYONNEMENT

(71) **UNIVERSITE DE BOURGOGNE** [FR/FR]; Maison de l'Université, Esplanade Erasme, F–21004 Dijon Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DEREUX, Alain** [FR/FR]; 8, impasse des Pépinières, F–21490 Varois & Chaignot (FR). **GIRARD, Christian** [FR/FR]; 1, impasse des Palombes, F–31120 Goyrans (FR). **GOUDONNET, Jean–Pierre** [FR/FR]; 12f, rue Isabelle de Portugal, F–21000 Dijon (FR). **JOACHIM, Christian** [FR/FR]; 8, rue du Moulin, F–31870 Lagardelle sur Leze (FR).

(74) **GUIU, Claude**; Cabinet Claude Guiu, 10, rue Paul Thénard, F–21000 Dijon (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24854** (13) A1

(21) PCT/DE98/03168

(22) **23 Oct/oct 1998 (23.10.1998)**

(25) de (26) de

(31) 197 50 757.3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 6/38**

(54) • ENDPIECE FOR OPTICAL FIBRES
• PIECE TERMINALE POUR FIBRES OPTIQUES

(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) **MELCHIOR, Lutz** [DE/DE]; Philipp–Jakob–Rauch–Strasse 56, D–12559 Berlin (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)*

---

(11) **WO 99/24855** (13) A1

(21) PCT/EP98/06883

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 48 989.3 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 6/42, H04B 10/24**

(54) • OPTICAL TRANSMITTING/RECEIVING MODULE
• MODULE OPTIQUE D'EMISSION/RECEPTION

(71) **DAIMLER–BENZ AKTIENGESELLSCHAFT** [DE/DE]; Epplestrasse 225, D–70567 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEINRICH, Jochen** [DE/DE]; Neulandstrasse 5, D–89143 Blaubeuren (DE). **ZEEB, Eberhard** [DE/DE]; Birkenlauhstrasse 9, D–89081 Ulm (DE). **PRESSMAR, Kurt** [DE/DE]; St.–Barbara–Strasse 16, D–89077 Ulm (DE). **RODE, Manfred** [DE/DE]; Lindenstrasse 24, D–89250 Senden (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)*

---

(11) **WO 99/24856** (13) A1

(21) PCT/US98/23200

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 08/966,130 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 6/42**

(54) • OPTICAL SUBASSEMBLY FOR TRANSMITTING AN OPTICAL SIGNAL WITH A CONTROLLED DIVERGENCE ANGLE AND OUTPUT POWER
• SOUS–ENSEMBLE OPTIQUE SERVANT A TRANSMETTRE UN SIGNAL OPTIQUE A UN ANGLE DE DIVERGENCE CONTROLE

(71) **GORE ENTERPRISE HOLDINGS, INC.** [US/US]; 551 Paper Mill Road, P.O. Box 9206, Newark, DE 19714–9206 (US).

(72) **DONHOWE, Mark, N.**; 31 Ohio State Drive, Newark, DE 19713 (US). **SQUIRES, John, Jay**; 369 Hutton Road, Elkton, MD 21921 (US). **TRAVER, Robert, F., Jr.**; 66 Southampton Road, Landenberg, PA 19350 (US).

(74) **CAMPBELL, John, S.** et al. / etc.; W.L. Gore & Associates, Inc., 551 Paper Mill Road, P.O. Box 9206, Newark, DE 19714–9206 (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).

---

(11) **WO 99/24857** (13) A1

(21) PCT/GB98/03233

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 97308935.2 (32) **6 Nov/nov 1997 (06.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 6/44, 6/38**

(54) • METHOD OF CONNECTING OPTICAL FIBRES, OPTICAL FIBRE CONNECTING DEVICE AND METHOD OF RESTORING COMMUNICATION SERVICES USING THE DEVICE
• PROCEDE DE CONNEXION DE FIBRES OPTIQUES, DISPOSITIF DE CONNEXION DE FIBRES OPTIQUES ET PROCEDE DE RETABLISSEMENT DES SERVICES DE COMMUNICATION A L'AIDE DUDIT DISPOSITIF

(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) **MIRZA, Shehzad** [GB/GB]; 15 Kemball Street, Ipswich, Suffolk IP4 5EE (GB).

(74) **EVERSHED, Michael**; BT Group Legal Services, Intellectual Property Dept., Holborn Centre, 8th floor, 120 Holborn, London EC1N 2TE (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24858** (13) A1

(21) PCT/US98/24020

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,580 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/061,592 (32) **16 Apr/avr 1998 (16.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 26/02, G11B 7/085, 7/12, 11/10**

(54) • A DUAL ACTUATOR OPTICAL POSITIONING SYSTEM
• SYSTEME DE POSITIONNEMENT OPTIQUE A ACTIONNEUR DOUBLE

(71) **SEAGATE TECHNOLOGY, INC.** [US/US]; 920 Disc Drive, Scotts Valley, CA 95066 (US).

(72) **HEANUE, John, F.**; 5468 Felter Road, San Jose, CA 95132 (US). **HRINYA, Stephen, J.**; 1317 Montmorency Drive, San Jose, CA 95118 (US). **HURST, Jerry, E., Jr.**; 1784 Marcy Lynn Court, San Jose, CA 95124 (US).

(74) **LUFTMAN, Douglas, B.** et al. / etc.; Fenwick & West LLP, Suite 700, Two Palo Alto Square, Palo Alto, CA 94306 (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).

Published / Publiée : *(c)*

(11) **WO 99/24859** (13) A1

(21) PCT/JP98/05009

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/304625 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 10/232123 (32) **18 Aug/août 1998 (18.08.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 26/08, G09F 9/30**

(54) • DISPLAY AND ITS MANUFACTURING METHOD
• AFFICHAGE ET PROCEDE DE FABRICATION DE CE DERNIER

(71) **NGK INSULATORS, LTD.** [JP/JP]; 2–56, Suda–cho, Mizuho–ku, Nagoya–city, Aichi–pref. 467–8530 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKEUCHI, Yukihisa** [JP/JP]; 5–4, Miyoshigaokasakura 1–chome, Miyoshi–cho, Nishikamo–gun, Aichi–pref. 470–0204 (JP). **NANATAKI, Tsutomu** [JP/JP]; Esupoa Toyoake VI Nibankan 1403, 80–27, Nakanowari, Shinden–cho, Toyoake–city, Aichi–pref. 470–1112 (JP). **SHIMOGAWA, Natsumi** [JP/JP]; 40, Sanage–cho, Kita–ku, Nagoya–city, Aichi–pref. 462–0852 (JP). **AKAO, Takayoshi** [JP/JP]; 1849–57, Degawa–cho, Kasugai–city, Aichi–pref. 487–0025 (JP).

(74) **CHIBA, Yoshihiro** et al. / etc.; Shinjuku Maynds Tower 16F, 1–1, Yoyogi 2–chome, Shibuya–ku, Tokyo 151–0053 (JP).

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

---

(11) **WO 99/24860** (13) A1

(21) PCT/US98/20430

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) en (26) en

(31) 08/966,142 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 27/01**

(54) • AMBIENT LIGHT DISPLAY ILLUMINATION FOR A HEAD–MOUNTED DISPLAY
• ECLAIRAGE D'AFFICHEUR A LUMIERE AMBIANTE POUR VISIOCASQUE

(71) **HONEYWELL INC.** [US/US]; Honeywell Plaza – MN12–8251, P.O. Box 524, Minneapolis, MN 55440–0524 (US).

(72) **KNOWLES, Gary, R.**; 1849 Noble Road, Arden Hills, MN 55112 (US).

(74) **KAU, Albert, K.**; Honeywell Inc., Honeywell Plaza – MN12–8251, P.O. Box 524, Minneapolis, MN 55440–0524 (US).

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

---

(11) **WO 99/24861** (13) A1

(21) PCT/IB98/01644

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 97203442.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 27/18, G03F 9/00 // G03B 27/42**

(54) • THREE–MIRROR SYSTEM FOR LITHOGRAPHIC PROJECTION, AND PROJECTION APPARATUS COMPRISING SUCH A MIRROR SYSTEM
• SYSTEME DE PROJECTION LITHOGRAPHIQUE A TROIS MIROIRS ET APPAREIL DE PROJECTION DANS LEQUEL LEDIT SYSTEME EST INCORPORE

(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) **BRAAT, Josephus, J., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (SE).

(74) **COBBEN, Louis, M., H.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

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

---

(11) **WO 99/24862** (13) A1

(21) PCT/GB98/03308

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 9723591.5 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02B 27/22, G03C 9/02**

(54) • ALIGNMENT OF LENTICULAR SUBSTRATE AND IMAGE FOR AUTOSTEREOSCOPIC IMAGES
• ALIGNEMENT DE SUBSTRAT LENTICULAIRE ET D'IMAGE AFIN DE PRODUIRE DES IMAGES AUTOSTEREOSCOPIQUES

(71, 72) **STREET, Graham, Stewart, Brandon** [GB/GB]; Impstone House, Pamber Road, Silchester, Reading, Berkshire RG7 2NU (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 : *(a)*

---

(11) **WO 99/24863** (13) A1

(21) PCT/DE98/03311

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 49 631.8 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02C 13/00, B24B 9/14, B23B 47/28**

(54) • TEMPLATE FOR THE LENS OF A PAIR OF GLASSES
• GABARIT DESTINE A UN VERRE DE LUNETTES

(71) **OPTISCHE WERKE G. RODENSTOCK** [DE/DE]; Isartalstrasse 43, D–80469 München (DE). **WERNICKE & CO. GMBH** [DE/DE]; Jägerstrasse 58, D–40231 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOTTSCHALD, Lutz** [DE/DE]; Am Meerbusch 4, D–40670 Meerbusch (DE). **KÖVARI, Peter** [DE/DE]; Beethovenstrasse 14, D–82049 Pullach (DE). **WANDINGER, Jakob** [DE/DE]; Balthasar Neumann–Strasse 2, D–84478 Waldkraiburg (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)*

---

(11) **WO 99/24864** (13) A2

(21) PCT/US98/24335

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/966,197 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02F**

(54) • ELECTRO–OPTIC REFLECTION DEVICE WITH TRAVELING–WAVE STRUCTURE
• DISPOSITIF DE REFLEXION ELECTRO–OPTIQUE A STRUCTURE A ONDE PROGRESSIVE

(71) **THE UNITED STATES OF AMERICA as represented by THE SECRETARY OF THE NAVY** [US/US]; Naval Research Laboratory, Code 3008.2, Washington, DC 20375–5325 (US).

(72) **BURNS, William, K.**; 1212 Priscilla Lane, Alexandria, VA 22308 (US). **MOELLER, Robert, P.**; 11604 Hickory Drive, Fort Washington, MD 20744 (US).

(74) **McDONNELL, Thomas, E.**; Naval Research Laboratory, Code 3008.2, Washington, DC 20375–5325 (US).

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

---

(11) **WO 99/24865** (13) A1

(21) PCT/DE98/03232

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 189.8 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02F 1/1333, 1/1335, G03C 7/12, G02B 5/22**

(54) • PROCESS FOR PRODUCING AN ELECTRO–OPTICAL DISPLAY
• PROCEDE SERVANT A FABRIQUER UN AFFICHAGE ELECTRO–OPTIQUE

(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) **GLUECK, Joachim** [DE/DE]; Lehenbuehlstrasse 53, D–71272 Renningen (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)*

---

(11) **WO 99/24866** (13) A1

(21) PCT/CN98/00262

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) zh (26) zh

(31) 97 1 19771.7 (32) **5 Nov/nov 1997 (05.11.1997)** (33) CN

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02F 1/1343, 1/29, H01Q 3/26**

(54) • OPTICAL PHASED ARRAY DEVICE AND THE METHOD THEREFOR
• DISPOSITIF A RESEAU DE PHASE OPTIQUE ET PROCEDE DE REALISATION

(71) **ZHU, Runshu** [CN/CN]; 3–402 No. 93 Moganshan Road, Hangzhou, Zhejiang Province 310005 (CN).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZHU, Yuxin** [CN/US]; 971 Chelsea Lane, Schaumburg, IL 60193 (US).

(74) **SHANGHAI PATENT & TRADEMARK LAW OFFICE**; 435 Guiping Road, Shanghai 200233 (CN).

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

---

(11) **WO 99/24867** (13) A1

(21) PCT/GB98/03404

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/969,434 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 9810693.3 (32) **19 May/mai 1998 (19.05.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G02F 1/225**

(54) • OPTICAL SYSTEM AND METHOD FOR CHANGING THE LENGTHS OF OPTICAL PATHS AND THE PHASES OF LIGHT BEAMS
• SYSTEME OPTIQUE ET PROCEDE DE MODIFICATION DE LA LONGUEUR DES VOIES OPTIQUES ET DES PHASES DES FAISCEAUX LUMINEUX

(71) **BOOKHAM TECHNOLOGY LIMITED** [GB/GB]; 90 Milton Park, Abingdon, Oxon OX14 4RY (GB).

(72) **PECHSTEDT, Ralf–Dieter**; 39 Hiskins, Wantage, Oxon OX12 9HU (GB). **LU, Yicheng**; 30 Larkdown, Wantage, Oxon OX12 8HE (GB).

(74) **UNWIN, Stephen, Geoffrey**; Fry, Heath & Spence, The Old College, 53 High Street, Horley, Surrey RH6 7BN (GB).

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

Published / Publiée : *(b)*

---

(11) **WO 99/24868** (13) A1

(21) PCT/CA98/01028

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/967,891 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03F 1/00, H01L 21/306**

(54) • METHOD OF MOLECULAR–SCALE PATTERN IMPRINTING AT SURFACES
• PROCEDE DE GRAVURE DE MOTIFS SUR DES SURFACES A L'ECHELLE MOLECULAIRE

(63) US 08/967,891 (CIP) 12 Nov/nov 1997 (12.11.1997)

(71, 72) **POLANYI, John, C.** [CA/CA]; 142 Collier Street, Toronto, Ontario M4N 1M3 (CA).

(72, 75) **ROGERS, Duncan** [CA/CA]; Apartment 505, 177 St. George Street, Toronto, Ontario M5R 2M5 (CA).

(74) **SCHUMACHER, Lynn, C.** et al. / etc.; Hill & Schumacher, Suite 802, 335 Bay Street, Toronto, Ontario M5H 2R3 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24869** (13) A1

(21) PCT/JP98/05061

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/308342 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 10/52830 (32) **18 Feb/fév 1998 (18.02.1998)** (33) JP

(31) 10/146604 (32) **12 May/mai 1998 (12.05.1998)** (33) JP

(31) 10/144303 (32) **26 May/mai 1998 (26.05.1998)** (33) JP

(31) 10/300525 (32) **22 Oct/oct 1998 (22.10.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03F 1/14, 7/20, H01L 21/027**

(54) • PHOTOMASK, ABERRATION CORRECTING PLATE, EXPOSURE DEVICE AND METHOD OF PRODUCING MICRODEVICE
• PHOTOMASQUE PLAQUE DE CORRECTION D'ABERRATION, DISPOSITIF D'EXPOSITION ET PROCEDE DE FABRICATION DE MICRO–DISPOSITIF

(71) **NIKON CORPORATION** [JP/JP]; 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHIRAISHI, Naomasa** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP). **TAKEUCHI, Hitoshi** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP). **OWA, Soichi** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).

(74) **MAEDA, Hitoshi** et al. / etc.; Maeda & Nishide, Hokushin Building, 2nd floor, 22, Kanda Jinbou–cho 1–chome, Chiyoda–ku, Tokyo 101–0051 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24870** (13) A2

(21) PCT/GB98/03390

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723858.8 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03G 9/00**

(54) • COMPOUND, COMPOSITION AND USE
• COMPOSE, COMPOSITION, ET LEUR UTILISATION

(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) **DEVONALD, David, Phillip** [GB/GB]; Hexagon House, Blackley, P.O. Box 42, Manchester M9 8ZS (GB).

(74) **KIRK, Martin, John**; Zeneca Specialties, Intellectual Property Group, Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24871** (13) A1

(21) PCT/GB98/03388

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723853.9 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03G 9/09, C07D 231/46, G03G 9/097**

(54) • COMPOUND, COMPOSITION AND USE
• COMPOSE, COMPOSITION, ET LEUR UTILISATION

(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) **DEVONALD, David, Phillip** [GB/GB]; Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB).

(74) **KIRK, Martin, John**; Zeneca Specialties, Intellectual Property Group, Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24872** (13) A1

(21) PCT/GB98/03391

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723855.4 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03G 9/09, 9/097, C07D 213/77**

(54) • COMPOUND, COMPOSITION AND USE
• COMPOSE, COMPOSITION, ET LEUR UTILISATION

(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) **DEVONALD, David, Phillip** [GB/GB]; Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB).

(74) **KIRK, Martin, John**; Zeneca Specialties, Intellectual Property Group, Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24873** (13) A1

(21) PCT/GB98/03389

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723856.2 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03G 9/097, C07D 231/26**

(54) • COMPOUND, COMPOSITION AND USE
• COMPOSE, COMPOSITION, ET LEUR UTILISATION

(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) **DEVONALD, David, Phillip** [GB/GB]; Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB).

(74) **KIRK, Martin, John**; Intellectual Property Group, Zeneca Specialties, Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24874** (13) A1

(21) PCT/GB98/03393

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723859.6 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03G 9/097, C07D 239/54**

(54) • COMPOUND, COMPOSITION AND USE
• COMPOSE, COMPOSITION ET LEUR UTILISATION

(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) **DEVONALD, David, Phillip** [GB/GB]; Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB).

(74) **KIRK, Martin, John**; Zeneca Specialties, Intellectual Property Group, Hexagon House, P.O. Box 42, Blackley, Manchester M9 8ZS (GB) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24875** (13) A1

(21) PCT/EP98/07062

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 651.2 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03G 15/00**

(54) • DEVICE FOR TRANSPORTING A BAND–SHAPED RECORDING MEDIUM IN AN ELECTROGRAPHIC PRINTING OR COPYING UNIT
• DISPOSITIF POUR LE TRANSPORT D'UN SUPPORT D'IMPRESSION SOUS FORME DE BANDE DANS UN APPAREIL ELECTROGRAPHIQUE D'IMPRESSION OU DE COPIE

(71) **OCE PRINTING SYSTEMS GMBH** [DE/DE]; Siemensallee 2, D–85586 Poing (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PURITSCHER, Ernst** [DE/DE]; Ludwig–Thoma–Strasse 42, D–82008 Unterhaching (DE). **MESCHENMOSER, Friedrich** [DE/DE]; Am Gänsbuckel 1, D–85630 Grasbrunn (DE).

(74) **SCHAUMBURG, Karl–Heinz** et al. / etc.; Postfach 86 07 48, D–81634 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).

---

(11) **WO 99/24876** (13) A1

(21) PCT/EP98/07065

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 386.6 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03G 15/16**

(54) • TRANSFER PRINTING STATION FOR AN ELECTROGRAPHIC DEVICE WITH A CONTACT PRESSURE ELEMENT IN THE TRANSFER PRINTING AREA
• STATION D'IMPRESSION PAR TRANSFERT POUR APPAREIL ELECTROGRAPHIQUE COMPORTANT UN ELEMENT DE PRESSION DANS LA ZONE D'IMPRESSION PAR TRANSFERT

(71) **OCE PRINTING SYSTEMS GMBH** [DE/DE]; Siemensallee 2, D–85586 Poing (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KÜRMEIER, Christian** [DE/DE]; Kazmairstrasse 59, D–80339 München (DE). **KREITER, Alexander** [DE/DE]; Südring 1, D–85457 Wörth (DE). **WINDHAGER, Alex** [DE/DE]; Föhrenweg 16, D–84544 Aschau am Inn (DE). **BRECHT, Stefan** [DE/DE]; Belgradstrasse 138, D–80804 München (DE). **STÜRZER, Anton** [DE/DE]; Bgm.–Saißreiner–Strasse 2, D–85567 Grafing (DE). **MESCHENMOSER, Friedrich** [DE/DE]; Am Gänsbuckel 1, D–85630 Grasbrunn (DE).

(74) **SCHAUMBURG, Karl–Heinz** et al. / etc.; Postfach 86 07 48, D–81634 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)*

---

(11) **WO 99/24877** (13) A1

(21) PCT/EP97/06163

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G03G 15/22**

(54) • PRINTING OR DUPLICATING APPARATUS OPTIONALLY OPERATING WITH MAGNETIC OR NON MAGNETIC TONER
• IMPRIMANTE OU COPIEUR–DUPLICATEUR FONCTIONNANT AU CHOIX AVEC DU TONER MAGNETIQUEMENT LISIBLE OU NON LISIBLE

(71) **OCE PRINTING SYSTEMS GMBH** [DE/DE]; Siemensallee 2, D–85586 Poing (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WARBUS, Volker** [DE/DE]; Münchner Strasse 18, D–82041 Oberhaching (DE). **SCHEIDIG, Karola** [DE/DE]; Herdweg 2 B, D–85652 Pliening (DE). **GERSTNER, Albrecht** [DE/DE]; Am Alten Pfarrhof 30, D–84564 Oberbergkirchen (DE).

(74) **SCHAUMBURG, Karl–Heinz** et al. / etc.; Postfach 86 07 48, D–81634 München (DE).

(81) DE DE (Utility model / modèle d'utilité) JP US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24878** (13) A1

(21) PCT/ES98/00301

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) es (26) es

(31) U 9702921 (32) **12 Nov/nov 1997 (12.11.1997)** (33) ES

(31) U 9800130 (32) **2 Jan/jan 1998 (02.01.1998)** (33) ES

(31) U 9802682 (32) **23 Sep/sep 1998 (23.09.1998)** (33) ES

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G04F 1/06**

(54) • MULTITIME SAND TIMER WITH INSTANTANEOUS CHARGE
• SABLIER MULTITEMPS A CHARGEMENT INSTANTANE

(71, 72) **AGUADO GUTIERREZ, Alfredo** [ES/ES]; Calle San Viator, 1 – 5º Dcha, E–01009 Vitoria (ES).

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

---

(11) **WO 99/24879** (13) A1

(21) PCT/EP98/06928

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) 197 49 056.5 (32) **6 Nov/nov 1997** (33) DE **(06.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05B 13/02**

(54) • CONTROL METHOD WITH A CHARACTERISTIC CURVE DEFINED BY INTERPOLATION POINTS
• PROCEDE DE REGULATION AVEC UNE COURBE CARACTERISTIQUE DEFINIE PAR DES POINTS D'INTERPOLATION

(71) **ZF FRIEDRICHSHAFEN AG** [DE/DE]; D–88038 Friedrichshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DANZ, Wolfgang** [DE/DE]; Flugplatzstrasse 35, D–88046 Friedrichshafen (DE). **FISCHER, Johannes** [DE/DE]; Olgastrasse 41, D–88045 Friedrichshafen (DE).

(74) **ZF FRIEDRICHSHAFEN AG**; D–88038 Friedrichshafen (DE).

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

---

(11) **WO 99/24880** (13) A1

(21) PCT/US98/22831

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 08/968,087 (32) **12 Nov/nov 1997** (33) US **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05B 13/02**

(54) • METHOD AND SYSTEM FOR REAL–TIME CONTROL OF ANALYTICAL AND DIAGNOSTIC INSTRUMENTS
• PROCEDE ET SYSTEME DE COMMANDE EN TEMPS REEL D'INSTRUMENTS ANALYTIQUES ET DIAGNOSTIQUES

(71) **CITY OF HOPE** [US/US]; 1500 East Duarte Road, Duarte, CA 91010–0269 (US).

(72) **STAHL, Douglas, C.**; 3958 North Florac Avenue, Claremont, CA 91711 (US).

(74) **DELUCA, Vincent, M.** et al. / etc.; Rothwell, Figg, Ernst & Kurz, Suite 701 East, Columbia Square, 555 13th Street N.W., Washington, DC 20004 (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).

---

(11) **WO 99/24881** (13) A1

(21) PCT/JP97/04071

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) ja (26) ja

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05B 19/04**

(54) • CONTROL SYSTEM USING SEQUENCE CONTROL APPARATUS, SEQUENCE CONTROL APPARATUS, AND METHOD OF CONTROLLING TRANSMISSION AND RECEPTION OF SIGNALS BY CONTROL SYSTEM USING SEQUENCE CONTROL APPARATUS
• SYSTEME DE COMMANDE UTILISANT UN APPAREIL DE COMMANDE SEQUENTIELLE, APPAREIL DE COMMANDE SEQUENTIELLE ET PROCEDE DE COMMANDE DE L'EMISSION ET DE LA RECEPTION DE SIGNAUX PAR LE SYSTEME DE COMMANDE A L'AIDE DE L'APPAREIL DE COMMANDE SEQUENTIELLE

(71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUSUNOKI, Kazuhiro** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100 (JP).

(74) **MIYATA, Kaneo** et al. / etc.; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100 (JP).

(81) DE GB JP US.

---

(11) **WO 99/24882** (13) A1

(21) PCT/EP98/07063

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 657.1 (32) **10 Nov/nov 1997** (33) DE **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05B 19/042, 19/10**

(54) • PROGRAM CONTROLLED HOUSEHOLD UNIT
• APPAREIL MENAGER COMMANDE PAR PROGRAMME

(71) **BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH** [DE/DE]; Hochstrasse 17, D–81669 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KNOPP, Lothar** [DE/DE]; Lange Strasse 20, D–12209 Berlin (DE). **BÖLDT, Frank** [DE/DE]; Lange Strasse 60a, D–14656 Brieselang (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24883** (13) A1

(21) PCT/US97/22925

(22) **12 Dec/déc 1997 (12.12.1997)**

(25) en (26) en

(31) 60/064,613 (32) **7 Nov/nov 1997** (33) US **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05B 19/418, 19/042**

(54) • METHOD AND SYSTEM FOR AUTOMATICALLY EXECUTING MULTIPLE PROCEDURES FOR A COMPLEX PROCESS FACILITY
• PROCEDE ET SYSTEME POUR L'EXECUTION AUTOMATIQUE DE PROCEDURES MULTIPLES DANS UNE INSTALLATION A PROCESSUS COMPLEXES

(71) **CBS CORPORATION** [US/US]; Intellectual Property Section/ Law and Environmental Affairs Dept., Room 1604, 11 Stanwix Street, Pittsburgh, PA 15222–1384 (US).

(72) **LIPNER, Melvin, Herbert**; 1352 Foxboro Drive, Monroeville, PA 15146 (US). **MUNDY, Roger, Andrew**; 520 Brittany Court, N. Huntingdon, PA 15642 (US). **BATT, Theodore, J.**; 202 Glenfield Drive, Penn Hills, PA 15235 (US).

(74) **WESTERHOFF, Richard, V.**; Eckert Seamans Cherin & Mellott, LLC, 42nd floor, 600 Grant Street, Pittsburgh, PA 15219 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24884** (13) A1

(21) PCT/DE98/03229

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 373.4 (32) **7 Nov/nov 1997** (33) DE **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05B 23/02, A61N 1/36**

(54) • ARRANGEMENT FOR PREDICTING AN ABNORMALITY OF A SYSTEM AND FOR CARRYING OUT AN ACTION WHICH COUNTERACTS THE ABNORMALITY
• DISPOSITIF SERVANT A PREDIRE UNE ANOMALIE DANS UN SYSTEME ET A PRENDRE DES MESURES PERMETTANT DE CORRIGER CETTE ANOMALIE

(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) **DECO, Gustavo** [DE/DE]; Hauptstrasse 76, D–85579 Neubiberg (DE). **DUBÉ, Louis–J.** [CA/CA]; 1556, avenue du Parc Beauvoir, Sillery, G1T 2M4 (CA).

(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)*

---

(11) **WO 99/24885** (13) A1

(21) PCT/IB98/01655

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 97203519.0 (32) **12 Nov/nov 1997** (33) EP **(12.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05D 3/00**

(54) • POSITIONING DEVICE WITH H–DRIVE
• DISPOSITIF DE POSITIONNEMENT COMPRENANT UNE ATTAQUE HORIZONTALE

(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 GASTEL, Josephus, Martinus, Maria**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **BOS, Kornelis, S.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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)*

---

(11) **WO 99/24886** (13) A1

(21) PCT/US98/23548

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,758 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05D 23/19, H05B 1/02**

(54) • HEATER CONTROL
• COMMANDE D'ELEMENTS CHAUFFANTS

(71) **SHELL OIL COMPANY** [US/US]; Intellectual Property, 900 Louisiana, P.O. Box 2463, Houston, TX 77252–2463 (US).

(72) **CARL, Frederick, Gordon, Jr.**; 8406 Edgemoor, Houston, TX 77036 (US). **SAVAGE, William, Mountjoy**; 8446 Ariel Street, Houston, TX 77074 (US). **BURNETT, Robert, Rex**; 20711 Flagmore Court, Katy, TX 77450 (US).

(74) **CHRISTENSEN, Del, S.**; Shell Oil Company, Intellectual Property, 900 Louisiana, P.O. Box 2463, Houston, TX 77252–2463 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR LC LK LR LS 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24887** (13) A1

(21) PCT/DE98/03240

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) de (26) de

(31) 197 49 535.4 (32) **8 Nov/nov 1997 (08.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05D 23/24, F02D 41/14, G01N 27/407**

(54) • CIRCUIT FOR HEATING A COMPONENT
• CIRCUIT SERVANT A RECHAUFFER UN COMPOSANT

(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) **KOCH, Stefan** [DE/DE]; Lindenbrunnenstrasse 3, D–77855 Achern (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)*

---

(11) **WO 99/24888** (13) A1

(21) PCT/AU98/00938

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) PP 0294 (32) **11 Nov/nov 1997 (11.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05G 1/26, B43L 15/00, A47B 21/00, 97/00**

(54) • WRIST SUPPORT DEVICE
• DISPOSITIF DE SUPPORT POUR LE POIGNET

(71, 72) **COOKE, Michael, Charles** [AU/AU]; 7 Beatrice Terrace, Ascot, QLD 4053 (AU).

(74) **FISHER ADAMS KELLY**; Level 13, AMP Place, 10 Eagle Street, Brisbane, QLD 4000 (AU).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24889** (13) A1

(21) PCT/US98/21340

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 08/967,964 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G05G 5/22**

(54) • CONTROL ASSEMBLY WITH LOCKING COLLET
• ENSEMBLE DE COMMANDE AVEC DOUILLE DE VERROUILLAGE

(71) **WESCON PRODUCTS COMPANY** [US/US]; 2533 South West Street, Wichita, KS 67217 (US).

(72) **BEUGELSDYK, Anthony, F.**; 7509 West Hale Street, Wichita, KS 67212 (US). **BARNARD, Michael, A.**; 6600 West University Street, Wichita, KS 67209 (US).

(74) **VAN HOOZER, Thomas, H.**; 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 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).

---

(11) **WO 99/24890** (13) A2

(21) PCT/US98/23978

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,817 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/083,411 (32) **22 May/mai 1998 (22.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F**

(54) • AN INPUT APPARATUS FOR A COMPUTER OR GAME
• PERIPHERIQUE D'ENTREE POUR ORDINATEUR OU JEU ELECTRONIQUE

(71) **SC & T INTERNATIONAL, INC.** [US/US]; 15695 North 83rd Way, Scottsdale, AZ 85260 (US).

(72) **MUERZL, Klaus**; 3910 E. Taro Lane, Phoenix, AZ 85024 (US). **COPLAND, James, L.**; 4302 E. Beryl Lane, Phoenix, AZ 85028 (US).

(74) **OGRAM, Mark, E.**; 8040 S. Kolb Road, Tucson, AZ 85706 (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).

---

(11) **WO 99/24891** (13) A2

(21) PCT/US98/24090

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,291 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(31) 60/081,748 (32) **14 Apr/avr 1998 (14.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F**

(54) • DISTRIBUTED NETWORK BASED ELECTRONIC WALLET
• PORTEFEUILLE ELECTRONIQUE BASE SUR UN RESEAU REPARTI

(71) **CITICORP DEVELOPMENT CENTER, INC.** [US/US]; 12731 W. Jefferson Boulevard, Los Angeles, CA 90066 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PALTENGHE, Cris, T.** [US/US]; 11718 Entrada Avenue, Northridge, CA 91326 (US). **MAMDANI, Alnoor, B.** [US/US]; 2030 Penmar Avenue, Venice, CA 90291 (US). **HUDDLESTON, Gregory, Lee** [US/US]; 16512 Blackbeard Lane #104, Huntington Beach, CA 91360 (US). **TAKATA, Melvin, Michio** [US/US]; 855 Paseo Del Robledo, Thousand Oaks, CA 91360 (US).

(74) **MARCOU, George, T.** et al. / etc.; Kilpatrick Stockton LLP, Suite 800, 700 13th Street, N.W., Washington, DC 20005 (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).

---

(11) **WO 99/24892** (13) A2

(21) PCT/US98/24092

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,291 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(31) 60/081,748 (32) **14 Apr/avr 1998 (14.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F**

(54) • VIRTUAL WALLET SYSTEM
• SYSTEME DE PORTEFEUILLE VIRTUEL

(71) **CITICORP DEVELOPMENT CENTER, INC.** [US/US]; 12731 W. Jefferson Boulevard, Los Angeles, CA 90066 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PALTENGHE, Cris, T.** [US/US]; 11718 Entrada Avenue, Northridge, CA 91326 (US). **MAMDANI, Alnoor, B.** [US/US]; 2030 Penmar Avenue, Venice, CA 90291 (US). **GOLVIN, Charles** [US/US]; 2762 McConnell Drive, Los Angeles, CA 90064 (US). **LICHSTEIN, Henry** [US/US]; 544 Dryad Road, Santa Monica, CA 90402 (US). **SOLO, David** [US/US]; Apartment 7B, 300 E. 75th Street, New York, NY 10021 (US). **PAN, Jack** [US/US]; 3651 South Norwich Place, Rowland Heights, CA 91748 (US). **TAKATA, Melvin, M.** [US/US]; 855 Paseo del Robledo, Thousand Oaks, CA 91360 (US).

(74) **MARCOU, George, T.** et al. / etc.; Kilpatrick Stockton LLP, Suite 800, 700 13th Street, Washington, DC 20005 (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).

---

(11) **WO 99/24893** (13) A1

(21) PCT/AT98/00267

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) de (26) de

(31) GM 697/97 (32) **6 Nov/nov 1997 (06.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 1/00, 17/30**

(54) • USER–SPECIFIC METHOD FOR RELEASING VIDEO SEQUENCES AND REPRESENTING SAID SEQUENCES IN REAL TIME
• PROCEDE DE LIBERATION SPECIFIQUE A L'UTILISATEUR DE SEQUENCES VIDÈO ET DE REPRESENTATION DE CES SEQUENCES EN TEMPS REEL

(71, 72) **NEUSTIFTER, Wolfgang** [AT/AT]; Urbangasse 12, A–1170 Wien (AT).

(74) **HOLZER, Walter** et al. / etc.; Schütz & Partner, Börsegebäude, Schottenring 16, A–1010 Wien (AT).

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

---

(11) **WO 99/24894** (13) A1

(21) PCT/DE98/03213

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 090.5 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 1/00**

(54) • SYSTEM FOR PROTECTING A DATA PROCESSING DEVICE FROM UNAUTHORISED ACCESS
• SYSTEME SERVANT A PROTEGER UN DISPOSITIF DE TRAITEMENT DE DONNEES CONTRE UN ACCES NON AUTORISE

(71) **DATASEC ELECTRONIC GMBH** [DE/DE]; Garzauer Chaussee, D–15344 Strausberg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STOBBE, Anatoli** [DE/DE]; Steinradweg 3, D–30890 Barsinghausen (DE). **SCHELER, Norbert** [DE/DE]; Lange Strasse 27, D–15370 Fredersdorf (DE). **WIEMANN, Ingo** [DE/DE]; Poelchaustrasse 2, D–12681 Berlin (DE).

(74) **THÖMEN, Uwe** et al. / etc.; Zeppelinstrasse 5, D–30175 Hannover (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)*

---

(11) **WO 99/24895** (13) A1

(21) PCT/US98/23437

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/965,595 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 1/00**

(54) • TAMPER RESISTANT METHOD AND APPARATUS
• APPAREIL ET PROCEDE ANTI–EFFRACTION

(71) **CYBERCASH, INC.** [US/US]; 2100 Reston Parkway, Reston, VA 20191 (US).

(72) **ELLISON, Carl**; 207 Grindall Street, Baltimore, MD 21230–4103 (US).

(74) **ROBERTS, Jon, L.** et al. / etc.; Roberts & Abokhair, LLC, Suite 1000, 11800 Sunrise Valley Drive, Reston, VA 20191 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24896** (13) A1

(21) PCT/JP98/04928

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) ja (26) ja

(31) 9/303912 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 9/303913 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 1/18, 3/00, 15/78, H05K 1/02**

(54) • INFORMATION PROCESSOR
• PROCESSEUR D'INFORMATIONS

(71) **HITACHI, LTD.** [US/US]; 6, Kanda Surugadai 4–chome, Chiyoda–ku, Tokyo 101–8010 (US). **HITACHI ULSI SYSTEMS CO., LTD.** [JP/JP]; 22–1, Josuihonmachi 5–chome, Kodaira–shi, Tokyo 187–8522 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHIMURA, Takanori** [JP/JP]; Central Research Laboratory, Hitachi, Ltd., 280, Higashikoigakubo 1–chome, Kokubunji–shi, Tokyo 185–8601 (JP). **NARUSE, Takanobu** [JP/JP]; Hitachi Ulsi Systems Co., Ltd., 22–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8522 (JP). **NAKAMURA, Atsushi** [JP/JP]; Semiconductor & Integrated Circuits Group, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **KATAGIRI, Mitsuaki** [JP/JP]; Semiconductor & Integrated Circuits Group, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **TANAKA, Kazuo** [JP/JP]; Semiconductor & Integrated Circuits Group, Hitachi, Ltd., 20–1, Josuihoncho 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **UCHIYAMA, Kunio** [JP/JP]; Central Research Laboratory, Hitachi, Ltd., 280, Higashikoigabuko 1–chome, Kokubunji–shi, Tokyo 185–8601 (JP).

(74) **OGAWA, Katsuo**; Hitachi, Ltd., 5–1, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100–8220 (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).

---

(11) **WO 99/24897** (13) A1

(21) PCT/US98/22887

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 08/969,071 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 1/24**

(54) • RESET CIRCUIT
• CIRCUIT DE REMISE A ZERO

(71) **SONY ELECTRONICS INC.** [US/US]; 1 Sony Drive, Park Ridge, NJ 07656 (US).

(72) **RUSSOUL, Aleshi**; 548 Hacienda Avenue, Campbell, CA 95003 (US).

(74) **GALLENSON, Mavis, S.** et al. / etc.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036 (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).

Published / Publiée : *(a)*

---

(11) **WO 99/24898** (13) A2

(21) PCT/IB98/01602

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 9723654.1 (32) **10 Nov/nov 1997** (33) GB **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 3/00, 17/30**

(54) • DISTRIBUTED DATABASE ACCESS VIA VIRTUAL ENVIRONMENT BROWSER
• ACCES A UNE BASE DE DONNEES REPARTIE VIA UN NAVIGATEUR POUR ENVIRONNEMENT VIRTUEL

(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) **GALLERY, Richard, David**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **VERHAGEN, Michael, Konstantijn**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **WHITE, Andrew, G.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

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

---

(11) **WO 99/24899** (13) A2

(21) PCT/US98/23690

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,709 (32) **7 Nov/nov 1997** (33) US **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 3/00**

(54) • COMMUNICATION AND DATA ENTRY DEVICE
• DISPOSITIF DE COMMUNICATION ET D'ENTREE DE DONNEES

(71) **HILL–ROM, INC.** [US/US]; 1069 State Route 46 East, Batesville, IN 47006–9167 (US).

(72) **BORDERS, Richard, L.**; 9934 Pebbleknoll Drive, Cincinnati, OH 45252 (US). **HEIMBROCK, Richard, H.**; 1041 Pine Knot Drive, Cincinnati, OH 45238 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (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).

---

(11) **WO 99/24900** (13) A1

(21) PCT/JP98/05057

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/307537 (32) **10 Nov/nov 1997** (33) JP **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 3/02, 3/023**

(54) • CHARACTER COMMUNICATION DEVICE
• DISPOSITIF DE TRANSMISSION AU MOYEN DE CARACTERES

(71) **SEGA ENTERPRISES, LTD.** [JP/JP]; 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKAJIMA, Kei** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP). **YABUNO, Katsumi** [JP/JP]; CSK Research Institute, 12–1, Shibuya 1–chome, Shibuya–ku, Tokyo 150–0002 (JP). **MIYOSHI, Takao** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP). **NAKA, Yuji** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP). **MAEKAWA, Shiro** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP).

(74) **INABA, Yoshiyuki** et al. / etc.; TMI Associates, Suite 803, 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–0001 (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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24901** (13) A1

(21) PCT/US98/23628

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,904 (32) **7 Nov/nov 1997** (33) US **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 5/00, 7/00, 9/00, 15/00**

(54) • COMPUTER PROCESSOR AND METHOD FOR DATA STREAMING
• PROCESSEUR INFORMATIQUE ET PROCEDE D'ENREGISTREMENT ET LECTURE EN CONTINU DE DONNEES

(71) **S3 INCORPORATED** [US/US]; 2801 Mission College Boulevard, Santa Clara, CA 95052–8058 (US).

(72) **AGRAWAL, Nitin**; 426, Sena Vihar, AWHO, Kamanahalli Main Road, Bangalore 560084 (IN). **NANDA, Sunil**; 187, RMV Stage II, 3rd Main, 12th Cross, Bangalore 560094 (IN).

(74) **HOFFMAN, Brian, M.** et al. / etc.; Fenwick & West LLP, Two Palo Alto Square, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24902** (13) A1

(21) PCT/US98/23464

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,608 (32) **10 Nov/nov 1997** (33) US **(10.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 7/00, 7/08**

(54) • VENDING MACHINE SUBSCRIPTION METHOD AND APPARATUS
• TECHNIQUE ET DISPOSITIF PERMETTANT DE S'ABONNER A UN DISTRIBUTEUR AUTOMATIQUE

(71) **WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP** [US/US]; Four High Ridge Park, Stamford, CT 06905–1324 (US).

(72) **TEDESCO, Daniel, E.**; Apartment 6, 192 Park Street, New Canaan, CT 06840 (US). **JORASCH, James, A.**; Apartment 5G, 25 Forest Street, Stamford, CT 06901 (US). **LECH, Robert, R.**; 23 Blake Street, Norwalk, CT 06851 (US).

(74) **LECH, Robert, R.** et al. / etc.; Walker Digital Corporation, Intellectual Property Dept., Five High Ridge Park, Stamford, CT 06905–1326 (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).

---

(11) **WO 99/24903** (13) A1

(21) PCT/US98/23650

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,619 (32) **7 Nov/nov 1997** (33) US **(07.11.1997)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 9/00, 5/00**

(54) • METHODS AND APPARATUS FOR EFFICIENT SYNCHRONOUS MIMD OPERATIONS WITH iVLIW PE–to–PE COMMUNICATION
• PROCEDES ET APPAREILS POUR EFFECTUER DES OPERATIONS MIMD SYNCHRONES EFFICACES AVEC TRANSMISSION IVLIW ENTRE PROCESSEURS PARALLELES

(71) **BOPS INCORPORATED** [US/US]; Suite 210, 6340 Quadrangle Drive, Chapel Hill, NC 27514 (US).

(72) **PECHANEK, Gerald, G.**; 107 Stoneleigh Drive, Cary, NC 27511 (US). **DRABENSTOTT, Thomas, L.**; Apartment M9, 6123 Farrington Road, Chapel Hill, NC 27514 (US). **REVILLA, Juan, Guillermo**; 211 Wagon Trail Drive, Cary, NC 27513 (US). **STRUBE, David, Carl**; 2621 Bembridge Drive, Raleigh, NC 27613 (US). **MORRIS, Grayson**; 4114 Wallingford Place, Durham, NC 27707 (US).

(74) **PRIEST, Peter, H.**; Law Offices of Peter H. Priest, 529 Dogwood Drive, Chapel Hill, NC 27516 (US).

(81) CA CN IL 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)*

(11) **WO 99/24904** (13) A1

(21) PCT/US98/23363

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 60/064,902 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 11/00**

(54) • APPARATUS AND METHOD FOR LOGGING INFORMATION RELATING TO FUNCTION CALLS TO A FUNCTION LIBRARY
• APPAREIL ET PROCEDE DE JOURNALISATION D'INFORMATIONS RELATIVES A DES APPELS DE FONCTION DANS UNE BIBLIOTHEQUE DE FONCTIONS

(71) **INTERGRAPH CORPORATION** [US/US]; One Madison Industrial Park, Huntsville, AL 35894–0001 (US).

(72) **MICHAELS, Terry**; Apartment 2304, 125 Royal Drive, Madison, AL 35758 (US). **BISBEE, Robert**; 217 Evalyn Street, Madison, AL 35758 (US). **DAVIS, Richard, W., III**; 4300 Weatherbury Circle, Huntsville, AL 35803 (US).

(74) **SUNSTEIN, Bruce, D.** et al. / etc.; Bromberg & Sunstein LLP, 125 Summer Street, Boston, MA 02110–01618 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24905** (13) A1

(21) PCT/US98/23375

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 60/065,218 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 12/08, 9/46**

(54) • APPARATUS AND METHOD OF ACCESSING RANDOM ACCESS MEMORY
• APPAREIL ET PROCEDE D'ACCES A UNE MEMOIRE RAM

(71) **INTERGRAPH CORPORATION** [US/US]; One Madison Industrial Park, Huntsville, AL 35894–0001 (US).

(72) **BROWN, David, Ashley**; 103 Double Eagle Court, Georgetown, KY 40324 (US).

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

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

Published / Publiée : *(c)*

---

(11) **WO 99/24906** (13) A1

(21) PCT/JP98/05002

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/303911 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 12/10, G06K 17/00, G06F 12/06, 13/14**

(54) • DATA PROCESSOR AND DATA PROCESSING SYSTEM
• PROCESSEUR DE DONNEES ET SYSTEME DE TRAITEMENT DE DONNEES

(71) **HITACHI, LTD.** [JP/JP]; 6, Kanda Surugadai 4–chome, Chiyoda–ku, Tokyo 101–8010 (JP). **HITACHI ULSI SYSTEMS CO., LTD.** [JP/JP]; 22–1, Josuihonmachi 5–chome, Kodaira–shi, Tokyo 187–8522 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TODA, Makoto** [JP/JP]; Central Research Laboratory, Hitachi, Ltd., 280, Higashikoigakubo 1–chome, Kokubunji–shi, Tokyo 185–8601 (JP). **NISHIMOTO, Junich** [JP/JP]; Semiconductor & Integrated Circuits Group, Hitach i, Ltd., 20–1, Josuihonmachi 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **ITO, Masayuki** [JP/JP]; Semiconductor & Integrated Circuits Group, Hitach i, Ltd., 20–1, Josuihonmachi 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **YOSHIDA, Yutaka** [JP/JP]; Semiconductor & Integrated Circuits Group, Hitach i, Ltd., 20–1, Josuihonmachi 5–chome, Kodaira–shi, Tokyo 187–8588 (JP). **HASEGAWA, Jun** [JP/JP]; Hitachi Ulsi Systems Co., Ltd., 22–1, Josuihonmachi 5–chome, Kodaira–shi, Tokyo 187–8522 (JP).

(74) **OGAWA, Katsuo**; Hitachi, Ltd., 5–1, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100–8220 (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).

---

(11) **WO 99/24907** (13) A1

(21) PCT/US98/22756

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/969,173 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 13/38**

(54) • DIGITAL APPLIANCE DATA DOWNLOAD DEVICE FOR DATA STORAGE
• DISPOSITIF DE TELECHARGEMENT DES DONNEES D'UN APPAREIL NUMERIQUE POUR LA MISE EN MEMOIRE DE DONNEES

(71) **IOMEGA CORPORATION** [US/US]; 1821 West Iomega Way, Roy, UT 84067 (US).

(72) **THOMAS, Fred, C., III**; 2491 Woodland Drive, Ogden, UT 84403 (US). **BAR, Refael**; 8792 Calle Tragar, San Diego, CA 92129 (US). **WATSON, Brent**; 1263 Beverly, Bountiful, UT 84010 (US). **HALL, David, L.**; 473 East Scott Avenue, Salt Lake City, UT 84115 (US). **SCHWARTZ, James, H.**; 958 Sunny Hill Court, Fallbrook, CA 92028 (US). **ALFONSI, Daniel**; 1202 Anna Rose Lane, Ramona, CA 92065 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24908** (13) A1

(21) PCT/US98/24075

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,084 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 13/40**

(54) • ELECTRICAL PRECHARGE OF DEVICE DRIVERS BEING CONNECTED TO A DATA BUS
• PRECHARGE ELECTRIQUE DE PILOTES DE PERIPHERIQUES CONNECTES A UN BUS DE DONNEES

(71) **QUANTUM CORPORATION** [US/US]; 500 McCarthy Boulevard, Milpitas, CA 95035 (US).

(72) **UBER, Richard**; 9 Ann Drive, North Grafton, MA 01536 (US).

(74) **PENN, Jonathan, B.** et al. / etc.; Quantum Corporation, 500 McCarthy Boulevard, Milpitas, CA 95035 (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)*

---

(11) **WO 99/24909** (13) A1

(21) PCT/US98/23914

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,715 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 13/42, H03M 13/00**

(54) • APPARATUS AND METHOD FOR APPLYING CRC TO ARINC 429 PERIODIC DATA
• PROCEDE ET APPAREIL D'APPLICATION DU CONTROLE DE REDONDANCE CYCLIQUE (CRC) AUX DONNEES PERIODIQUES ARINC 429

(71) **HONEYWELL INC.** [US/US]; Honeywell Plaza, MN12–8251, P.O. Box 524, Minneapolis, MN 55440–0524 (US).

(72) **BEUTLER, Arthur, D.**; 122 East Village Circle Drive, Phoenix, AZ 85022 (US).

(74) **CARLSON, Brett, A., X.**; Honeywell Inc., Honeywell Plaza, MN12–8251, P.O. Box 524, Minneapolis, MN 55440–0524 (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 : *(c)*

---

(11) **WO 99/24910** (13) A1

(21) PCT/US98/24201

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,309 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 15/00**

(54) • OPPOSING DIRECTIONAL FILL CALCULATORS IN A GRAPHICS PROCESSOR

- CALCULTATEURS DE REMPLISSAGE DIRECTIONNELS OPPOSES DANS UN PROCESSEUR GRAPHIQUE

(71) **S3 INCORPORATED** [US/US]; 2801 Mission College Boulevard, Santa Clara, CA 95052–8058 (US).

(72) **LARSON, Michael, K.**; 13933 93rd Avenue, N.E., Kirkland, WA 98034 (US).

(74) **SUEOKA, Greg, T.**; Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA 94306 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/24911** (13) A1

(21) PCT/GR98/00028

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 970100434 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 15/02, 1/16**

(54)
- HANDHELD DISPLAY PANEL (HDP)
- TABLEAU D'AFFICHAGE A MAIN (TAM)

(71, 72) **FALDAMIS, Nikos** [GR/GR]; 39 Alkiviadou Street, GR–166 75 Glyfada (GR).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24912** (13) A1

(21) PCT/US98/24096

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,357 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 15/177**

(54)
- METHOD FOR ANALYZING SETS OF TEMPORAL DATA
- PROCEDE D'ANALYSE DE GROUPES DE DONNEES DE TEMPS

(71) **UAB RESEARCH FOUNDATION** [US/US]; 1120–G Administration Building, 701 South 20th Street, Birmingham, AL 35294–0111 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BROSSETTE, Stephen, E.** [US/US]; Apartment 2, 2721 Hanover Circle, Birmingham, AL 35205 (US). **MOSER, Stephen, A.** [US/US]; 4607 Battery Lane, Mountain Brook, AL 35213 (US). **SPRAGUE, Alan, P.** [US/US]; 234 Oakland Park Avenue, Columbus, OH 43214 (US). **HARDIN, J., Michael** [US/US]; 624 Olde Towne Lane, Alabaster, AL 35007 (US). **JONES, Warren, T.** [US/US]; 1525 Wingfield Court, Birmingham, AL 35242 (US).

(74) **COGEN, Ellen, S.** et al. / etc.; Gifford, Krass, Groh, Sprinkle, Patmore, Anderson & Citkowski, P.C., Suite 400, 280 N. Old Woodward Avenue, Birmingham, MI 48009–5394 (US).

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

---

(11) **WO 99/24913** (13) A2

(21) PCT/EP98/07077

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) de (26) de

(31) 197 49 344.0 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(31) 197 52 662.4 (32) **27 Nov/nov 1997 (27.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/00**

(54)
- PROBLEM ORIENTED INFORMATION AND COMMUNICATION METHOD
- PROCEDE D'INFORMATION ET DE COMMUNICATION ORIENTE PROBLEME

(71, 72) **FRANK, Hans–Jürgen** [DE/DE]; Soxhletstrasse 6, D–80805 München (DE).

(74) **KRUSPIG, Volkmar** et al. / etc.; Meissner, Bolte & Partner, Postfach 86 06 24, D–81633 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).

---

(11) **WO 99/24914** (13) A1

(21) PCT/US98/23842

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,994 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/10, G06G 17/78**

(54)
- SYSTEM AND METHOD FOR AVOIDING COLLISIONS BETWEEN VECTOR AND SOLID OBJECTS
- PROCEDE ET SYSTEME ANTICOLLISION ENTRE UN TRAJET ET DES OBJETS SOLIDES

(71) **LOCKHEED MARTIN CORPORATION** [US/US]; Intellectual Property, Building 101, 111 Lockheed Way, Sunnyvale, CA 94088–3504 (US).

(72) **LIBBY, Vibeke**; 1312 Parrott Drive, San Mateo, CA 94402 (US).

(74) **WILLIAMS, Gary, S.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036–2711 (US).

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

---

(11) **WO 99/24915** (13) A1

(21) PCT/US98/21244

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/966,140 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/14**

(54)
- IMAGE NOISE REDUCTION SYSTEM USING A DCT PYRAMID
- SYSTEME DE REDUCTION DU BRUIT IMAGE DANS LEQUEL ON UTILISE UNE PYRAMIDE TCD

(71) **POLAROID CORPORATION** [US/US]; 784 Memorial Drive, Cambridge, MA 02139–3589 (US).

(72) **WOBER, Munib, A.**; 5 Holland Road, Wakefield, MA 01880 (US). **YANG, Yibing**; 52 Wilbur Avenue, Arlington, MA 02174 (US). **HAJJAHMAD, Ibrahim**; 262 School Street #12, Somerville, MA 02145 (US). **SUNSHINE, Lon, E.**; 48 Cascade Circle, Manchester, NH 03103–6905 (US). **REISCH, Michael, L.**; 53 Nathan Lane, Carlisle, MA 01741 (US).

(74) **MOFFORD, Donald, F.**; Polaroid Corporation, 784 Memorial Drive, Cambridge, MA 02139–3589 (US).

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

---

(11) **WO 99/24916** (13) A1

(21) PCT/US98/23960

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,444 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/15, H04B 1/707**

(54)
- EFFICIENT CORRELATION OVER A SLIDING WINDOW
- CORRELATION EFFICACE SUR UNE FENETRE GLISSANTE

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **DENT, Paul, W.**; 637 Eagle Point Road, Pittsboro, NC 27312 (US). **WANG, Eric**; 215 Cedarpost Drive, Cary, NC 27513 (US).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (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).

---

(11) **WO 99/24917** (13) A2

(21) PCT/IB98/01652

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 08/968,679 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/17**

(54) • METHOD AND APPARATUS FOR USING INTERPOLATION LINE BUFFERS AS PIXEL LOOK UP TABLES
• PROCEDE ET APPAREIL PERMETTANT D'UTILISER DES TAMPONS DE LIGNES D'INTERPOLATION EN TANT QUE TABLES DE CONSULTATION DE PIXELS

(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) **SCHAFFSTEIN, Michael, J.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **WALSH, Christopher**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **FAESSEN, Louis, M., H.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

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

---

(11) **WO 99/24918** (13) A1

(21) PCT/AU98/00937

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) PP 0289 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/30**

(54) • DYNAMIC DATE SHIFTING
• PROCEDE DYNAMIQUE DE CHANGEMENT DE DATE

(71) **PHASE SHIFT TECHNOLOGY PTY. LTD.** [AU/AU]; 156 Pacific Highway, St. Leonards, NSW 2065 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PHILLIPS, James, Grant** [AU/AU]; 15 Kenneth Road, Manly Vale, NSW 2093 (AU).

(74) **F.B. RICE & CO.**; 605 Darling Street, Balmain, NSW 2041 (AU).

(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).

---

(11) **WO 99/24919** (13) A1

(21) PCT/CA98/01043

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 2,220,565 (32) **7 Nov/nov 1997 (07.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/30**

(54) • DATABASE BUILDING SYSTEM
• SYSTEME DE CONSTRUCTION D'UNE BASE DE DONNEES

(71) **CROSSKEYS SYSTEMS CORPORATION** [CA/CA]; 350 Terry Fox Drive, Kanata, Ontario K2K 2W5 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MUNN, Gwen** [CA/CA]; 51 Sunridge Lane, Nepean, Ontario K2J 2N9 (CA). **McCLOSKEY, Michael, J.** [CA/CA]; 213 Twyford Street, Ottawa, Ontario K1V 0V9 (CA).

(74) **MITCHELL, Richard, J.**; Marks & Clerk, P.O. Box 957, Station B, Ottawa, Ontario K1P 5S7 (CA).

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

---

(11) **WO 99/24920** (13) A1

(21) PCT/EP97/06228

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/30**

(54) • METHOD FOR MANAGING DOCUMENTS
• PROCEDE DESTINE A LA GESTION DE DOCUMENTS

(71, 72) **DAVID, Anja** [DE/DE]; Feuervogelweg 16, D–44269 Dortmund (DE).

(74) **SCHNEIDERS BEHRENDT FINKENER ERNESTI**; Südring 8, D–44787 Bochum (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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24921** (13) A2

(21) PCT/SE98/02002

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 9704078–6 (32) **7 Nov/nov 1997 (07.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/30, 17/60**

(54) • IMPROVEMENTS IN, OR RELATING TO, ELECTRONIC PAYMENT SYSTEMS
• AMELIORATIONS CONCERNANT DES SYSTEMES DE PAIEMENT ELECTRONIQUE

(71) **TELIA AB (publ)** [SE/SE]; Mårbackagatan 11, S–123 86 Farsta (SE).

(72) **CHRISTENSEN, Maria**; Brännberg pl 514, S–961 95 Boden (SE). **ISAKSSON, Lennart**; Andersvägen 5, S–954 35 Luleå (SE).

(74) **PRAGSTEN, Rolf**; Telia Research AB, Vitsandsgatan 9, S–123 86 Farsta (SE).

(81) EE LT LV NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24922** (13) A1

(21) PCT/US98/19967

(22) **25 Sep/sep 1998 (25.09.1998)**

(25) en (26) en

(31) 08/966,449 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/30**

(54) • APPARATUS AND METHOD
• APPAREIL ET PROCEDE

(71) **INFORMATICA CORPORATION** [US/US]; 1200 Chrysler Drive, Menlo Park, CA 94025 (US).

(72) **ZAMANIAN, M., S., Kiumarse**; 24 Santa Monica, San Francisco, CA 94127 (US). **NESAMONEY, Diaz**; 870 Dolores Street, San Francisco, CA 94110 (US).

(74) **GALLENSON, Mavis, S.** et al. / etc.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036–5679 (US).

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

---

(11) **WO 99/24923** (13) A1

(21) PCT/US98/23934

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/969,135 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/30**

(54) • METHOD AND APPARATUS FOR AUTOMATICALLY DISSEMINATING INFORMATION OVER A NETWORK
• PROCEDE ET APPAREIL DE DIFFUSION D'INFORMATIONS AUTOMATIQUE DANS UN RESEAU

(71) **PUNCH NETWORKS CORPORATION** [US/US]; 3rd floor, 1417 Fourth Avenue, Seattle, WA 98101–2119 (US).

(72) **CAMPBELL, R., David, L.**; 3205 South Judkins, Seattle, WA 98144 (US). **FARAGHER–HORWELL, Roland**; 1718 N.W. Greenbrier Way, Seattle, WA 98177 (US).

(74) **CULIC, Mary, L.**; 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 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 : *(c)*

---

(11) **WO 99/24924** (13) A2

(21) PCT/EP98/06671

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) de (26) de

(31) 197 47 766.6 (32) **29 Oct/oct 1997 (29.10.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/60**

(54) • METHOD AND SYSTEM FOR VERIFYING CORRECT DELIVERIES BY MOBILE DELIVERY UNITS IN STORAGE UNITS
• PROCEDE ET SYSTEME POUR VERIFIER LA LIVRAISON CORRECTE D'ARTICLES A LIVRER MOBILES A DES UNITES DE STOCKAGE

(71, 72) **BECKER, Markus** [DE/DE]; Lahnweg 16, D–34317 Habichtswald (DE).

(74) **FRITSCHE, Rainer**; Eisenführ, Speiser & Partner, Arnulfstrasse 25, D–80335 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 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).

---

(11) **WO 99/24925** (13) A2

(21) PCT/EP98/07210

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 1007462 (32) **6 Nov/nov 1997 (06.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/60**

(54) • METHOD AND SYSTEM FOR GENERATING CORPORATE INFORMATION
• PROCEDE ET SYSTEME POUR GENERER DES INFORMATIONS INTEGREES

(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) **KIKKERS, Harrold** [NL/NL]; Wadden 15, NL–9919 BS Loppersum (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24926** (13) A1

(21) PCT/NL98/00651

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) nl (26) en

(31) 1007525 (32) **12 Nov/nov 1997 (12.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/60**

(54) • SYSTEM FOR TRANSMITTAL AND RECEIPT OF INFORMATION
• SYSTEME D'EMISSION ET DE RECEPTION D'INFORMATIONS

(71) **MMP OBEC** [NL/NL]; Horsten 1.15, NL–5612 AX Eindhoven (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DIEBEN, Ebo, Paul** [NL/NL]; Grote berg 44d, NL–5611 KL Eindhoven (NL).

(74) **VAN BREDA, Jacques**; Octrooibureau Los en Stigter B.V., Weteringschans 96, NL–1017 XS Amsterdam (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24927** (13) A1

(21) PCT/US98/23592

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,788 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/60**

(54) • MODULAR HEALTH–CARE INFORMATION MANAGEMENT SYSTEM UTILIZING REUSABLE SOFTWARE OBJECTS
• SYSTEME MODULAIRE DE GESTION DE L'INFORMATION SANITAIRE A OBJETS LOGICIELS REUTILISABLES

(71) **DEROYAL INDUSTRIES, INC.** [US/US]; 200 Debusk Lane, Powell, TN 37849 (US).

(72) **DEBUSK, Brian, C.**; 805 Emory Road, Clinton, TN 37716 (US). **COFER, Michael, C.**; 611 Whitesburg Drive, Knoxville, TN 37918 (US). **SHANKS, Mark, W.**; 105 Timbercrest Lane, Clinton, TN 37716 (US). **LUKENS, Wil, Francis**; 1112 Pineola Lane, Knoxville, TN 37919 (US).

(74) **HODGES, Paul, E.**; Pitts & Brittian, P.C., P.O. Box 51295, Knoxville, TN 37950 (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)*

---

(11) **WO 99/24928** (13) A2

(21) PCT/US98/23648

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,185 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 17/60**

(54) • SYSTEMS AND METHODS FOR MATCHING, SELECTING, NARROWCASTING, AND/OR CLASSIFYING BASED ON RIGHTS MANAGEMENT AND/OR OTHER INFORMATION
• SYSTEMES ET PROCEDES DE COMPARAISON, DE SELECTION, DE DISTRIBUTION RESTREINTE, ET/OU DE CLASSIFICATION SELON DES DONNEES RELATIVES A UNE GESTION DES DROITS ET/OU D'AUTRES DONNEES

(71) **INTERTRUST TECHNOLOGIES CORP.** [US/US]; 460 Oakmead Parkway, Sunnyvale, CA 94086 (US).

(72) **SHEAR, Victor, H.**; 5203 Battery Lane, Bethesda, MD 20705 (US). **VAN WIE, David, M.**; Apartment 216, 965 East E1 Camino Real, Sunnyvale, CA 94087 (US). **WEBER, Robert, P.**; 215 Waverley Street #4, Menlo Park, CA 94025 (US).

(74) **FARIS, Robert, W.**; Nixon & Vanderhye P.C., 8th floor, 1100 N. Glebe Road, Arlington, VA 22201 (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).

---

(11) **WO 99/24929** (13) A1

(21) PCT/JP98/04937

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) ja (26) ja

(31) 9/303900 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 10/243667 (32) **28 Aug/août 1998 (28.08.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 19/00, 17/60**

(54) • AN ORDER DATA MANAGEMENT SYSTEM
• SYSTEME DE GESTION DES DONNEES DE COMMANDE

(71) **TOSHIBA TEC KABUSHIKI KAISHA** [JP/JP]; 1–1, Kanda Nishiki–cho, Chiyoda–ku, Tokyo 101–8442 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SANO, Kouichi** [JP/JP]; 111–1, Kitada, Yuicho, Ihara–gun, Shizuoka–ken 421–3104 (JP).

(74) **SUZUYE, Takehiko** et al. / etc.; Suzuye & Suzuye, 7–2, Kasumigaseki 3–chome, Chiyoda–ku, Tokyo 100–0013 (JP).

(81) CA CN KR SG US; EP (BE DE FR GB NL).

---

(11) **WO 99/24930** (13) A1

(21) PCT/US98/23936

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,124 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06F 19/00**

(54) • ENVIRONMENTAL MONITORING SYSTEM
• SYSTEME DE SURVEILLANCE DE L'ENVIRONNEMENT

(71) **ALBERT EINSTEIN HEALTHCARE NETWORK** [US/US]; 5501 Old York Road, Philadelphia, PA 19141 (US).

(72) **NEVO, Igal**; 72 Academy Road, Bala Cynwood, PA 19004 (US). **DAGALUR, Srinivas, S.**; 1050 George Street #19–0, New Brunswick, NJ 08901 (US). **SALAH, Maher**; Apartment D4, 3600 Spring Garden Street, Philadelphia, PA 19104–3098 (US). **NEWMAN, Mark**; 7524 Brookfield Road, Melrose Park, PA 19027 (US).

(74) **CHILD, John, S., Jr.** et al. / etc.; Dann, Dorfman, Herrell and Skillman, Suite 720, 1601 Market Street, Philadelphia, PA 19103 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24931** (13) A1

(21) PCT/FR98/02402

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) fr (26) fr

(31) 97/14332 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06K 5/02**

(54) • MAGNETIC METHODS FOR CONTROLLING DOCUMENT PRINTING
• PROCEDES MAGNETIQUES DE CONTROLE DE L'IMPRESSION DE DOCUMENTS

(71, 72) **GIROD, Raoul** [FR/FR]; Montagny, F–69210 Bully (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24932** (13) A1

(21) PCT/US98/23619

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,615 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/186,359 (32) **5 Nov/nov 1998 (05.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06K 9/00, 9/32, 9/62, 9/74**

(54) • RAPID CONVOLUTION BASED LARGE DEFORMATION IMAGE MATCHING VIA LANDMARK AND VOLUME IMAGERY
• APPARIEMENT D'IMAGES A LARGE DEFORMATION BASE SUR UNE CONVOLUTION RAPIDE PAR POINT DE REPERE ET IMAGERIE VOLUMIQUE

(71, 72) **MILLER, Michael, I.** [US/US]; 14 Bishops Road, Baltimore, MD 21218 (US). **JOSHI, Sarang, C.** [IN/US]; 4346 Laclede, St. Louis, MO 63108 (US). **CHRISTENSEN, Gary, E.** [US/US]; 1352 Wild Prairie Drive, Iowa City, IA 52246 (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) AL AM AT AU AZ 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24933** (13) A1

(21) PCT/BE98/00169

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/964,651 (32) **5 Nov/nov 1997 (05.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06K 15/02, G06F 3/12**

(54) • MERGING OF COMPRESSED RASTER IMAGES IN A PRINTING SYSTEM
• FUSION DE TRAME–IMAGES COMPRIMEES DANS UN SYSTEME D'IMPRESSION

(71) **BARCO GRAPHICS N.V.** [BE/BE]; Tramstraat 69, B–9052 Zwijnaarde (BE).

(72) **VLIETINCK, Jan, J.**; Galglaan 9, B–9000 Gent (BE). **NOTREDAME, Paul, H.**; Klimoplaan 10, B–9032 Wondelgem (BE). **DEBAERE, Eddy, H.**; Oudestraat 7A, B–9800 Deinze (BE). **DEPUYDT, Lieven, W.**; Barco Patent Dept., Theodoor Sevenslaan 106, B–8500 Kortrijk (BE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24934** (13) A1

(21) PCT/IL98/00549

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 122185 (32) **12 Nov/nov 1997 (12.11.1997)** (33) IL

(31) 126964 (32) **9 Nov/nov 1998 (09.11.1998)** (33) IL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06K 19/077**

(54) • METHOD AND APPARATUS FOR THE AUTOMATIC PRODUCTION OF PERSONALIZED CARDS AND POUCHES
• PROCEDE ET APPAREIL DE FABRICATION DE CARTES ET D'ETUIS PERSONNALISES

(71) **SUPERCOM LTD.** [IL/IL]; Hataas Street 25, New Industrial Area, 44425 Kfar Saba (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HASSAN, Jackob** [IL/IL]; Shnat Hayovel Street 21, 45304 Magdieal Hod Hasharon (IL). **ROZEN, Eli** [IL/IL]; Heleny Hamalka Street 38, 46768 Herzlya Bet (IL). **LANDMAN, Avi** [IL/IL]; Hagdud Haivri Street 99, 26306 Kiriat Haim (IL).

(74) **LUZZATTO, Kfir** et al. / etc.; Luzzatto & Luzzatto, P.O. Box 5352, 84152 Beer–Sheva (IL).

(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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24935** (13) A1

(21) PCT/IB98/01741

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) UD97A000200 (32) **6 Nov/nov 1997 (06.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06M 7/04, B21B 39/00**

(54) • SELECTION AND CONTROL DEVICE FOR BARS AND RELATIVE METHOD
• DISPOSITIF ET PROCEDE SERVANT A SELECTIONNER ET A COMMANDER DES BARRES

(71) **DANIELI & C. OFFICINE MECCANICHE S.P.A.** [IT/IT]; Via Nazionale, I–33042 Buttrio (IT).

(72) **CIANI, Lorenzo**; Via Cadel, 17, I–33100 Udine (IT). **BORDIGNON, Giuseppe**; Via Roma, 10/2, I–33050 Bicinicco (IT).

(74) **PETRAZ, Gilberto**; GLP S.r.l., Piazzale Cavedalis, 6/2, I–33100 Udine (IT).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ DK EE 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 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); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24936** (13) A1

(21) PCT/IB98/01832

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,059 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06T 5/50**

(54) • SYSTEM AND METHOD FOR GENERATING SUPER–RESOLUTION–ENHANCED MOSAIC IMAGES
• SYSTEME ET PROCEDE POUR LA PRODUCTION D'IMAGES MOSAIQUES AMELIOREES A SUPERDEFINITION

(71) **GENTECH CORPORATION** [JP/JP]; 2nd floor, 5–19–9, Hiroo, Shibuya–ku, Tokyo 150–0012 (JP).

(72) **PELEG, Shmuel**; Bar–Kokhva Street 45, 97892 Jerusalem (IL). **ZOMET, Assaf**; Hanasi Street 10, 37105 Karkur (IL).

(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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24937** (13) A1

(21) PCT/JP98/05015

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/306226 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G06T 15/00**

(54) • IMAGE GENERATING DEVICE AND IMAGE GENERATING METHOD
• DISPOSITIF ET PROCEDE DE GENERATION D'IMAGES

(71) **SEGA ENTERPRISES, LTD.** [JP/JP]; 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUROSAWA, Masahito** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP). **SUGIYAMA, Hajime** [JP/JP]; Sega Enterprises, Ltd., 2–12, Haneda 1–chome, Ohta–ku, Tokyo 144–0043 (JP).

(74) **INABA, Yoshiyuki** et al. / etc.; TMI Associates, Suite 803, 37 Mori Building, 5–1, Toranomon 3–chome, Minato–ku, Tokyo 105–0001 (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).

Published / Publiée : *(a)*

---

(11) **WO 99/24938** (13) A1

(21) PCT/CH97/00424

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07C 9/00**

(54) • METHOD, SYSTEM AND DEVICES FOR AUTHENTICATING PERSONS
• PROCEDE, SYSTEME ET DISPOSITIFS POUR L'AUTHENTIFICATION DE PERSONNES

(71) **SWISSCOM AG** [CH/CH]; Viktoriastrasse 21, CH–3030 Bern (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RITTER, Rudolf** [CH/CH]; Rossweidweg 8, CH–3052 Zollikofen (CH).

(74) **BOVARD AG**; Optingenstrasse 16, CH–3000 Bern 25 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24939** (13) A1

(21) PCT/DE98/02646

(22) **8 Sep/sep 1998 (08.09.1998)**

(25) de (26) de

(31) 197 48 864.1 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07D 11/00**

(54) • CASH DRAWER FOR AN AUTOMATIC TELLER
• TIROIR–CAISSE DE GUICHET AUTOMATIQUE

(71) **SIEMENS NIXDORF INFORMATIONSSYSTEME AG** [DE/DE]; Heinz–Nixdorf–Ring 1, D–33106 Paderborn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NOTTELMANN, Ulrich** [DE/DE]; Sulburgring 45, D–33014 Bad Driburg (DE). **HOLLAND–LETZ, Günter** [DE/DE]; Antoniusstrasse 17a, D–33106 Paderborn (DE).

(74) **EPPING, Wilhelm**; 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).

---

(11) **WO 99/24940** (13) A1

(21) PCT/US98/23623

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,712 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07F 7/00, H04M 17/00**

(54) • METHODS AND APPARATUS FOR LANGUAGE REGISTRATION OF PREPAID, REMOTE ENTRY CUSTOMER ACCOUNT
• PROCEDES ET APPAREIL D'ENREGISTREMENT DE LANGUE POUR COMPTE CLIENT PREPAYE ENTRE A DISTANCE

(71) **AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC.** [US/US]; General Counsel's Office, American Express Tower, World Financial Center, New York, NY 10285 (US).

(72) **THOMAS, Jerry, S.**; 3658 East Golden Oaks, Salt Lake City, UT 84121 (US).

(74) **SOBELMAN, Howard, I.**; Snell & Wilmer, L.L.P., One Arizona Center, 400 E. Van Buren, Phoenix, AZ 85004–0001 (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 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 : *(c)*

---

(11) **WO 99/24941** (13) A1

(21) PCT/FR98/02262

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) fr (26) fr

(31) 97/13391 (32) **24 Oct/oct 1997 (24.10.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07F 7/08, 7/00, G07B 15/02**

(54) • SYSTEM FOR DISPENSING PARKING RIGHTS
• SYSTEME DE DISTRIBUTION DE DROITS DE STATIONNEMENT

(71) **SCHLUMBERGER INDUSTRIES** [FR/FR]; 50, avenue Jean Jaurès, F–92120 Montrouge (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRUSSEAUX, Thierry** [FR/FR]; 2, rue des Tripétards, F–25720 Aveney (FR). **BOURDY, Franck** [FR/FR]; 18, chemin de la Creuse Voie, F–91570 Bièvres (FR).

(74) **LEMOYNE, Didier**; Schlumberger Industries, Test & Transactions, Boîte postale 620–04, F–92542 Montrouge Cedex (FR).

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

---

(11) **WO 99/24942** (13) A1

(21) PCT/GB98/03337

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723732.5 (32) **10 Nov/nov 1997 (10.11.1997)** (33) GB

(31) 9807341.4 (32) **7 Apr/avr 1998 (07.04.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07F 7/08, G06K 19/12**

(54) • A METHOD OF LABELLING AN ARTICLE
• PROCEDE D'ETIQUETAGE D'ARTICLES

(71) **THORN SECURE SCIENCE LIMITED** [GB/GB]; Rutland House, Hargreaves Road, Groundwell Industrial Estate, Swindon, Wiltshire SN2 5AZ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WALTHAM, Richard** [GB/GB]; Romsey, Hardenhuish Lane, Chippenham, Wiltshire SN14 6HS (GB).

(74) **LEAMAN, Keith**; QED I.P. Services Limited, Dawley Road, Hayes, Middlesex UB3 1HH (GB).

(81) AU CN DE GB JP KR PL RU SE US.

---

(11) **WO 99/24943** (13) A2

(21) PCT/EP98/07211

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 1007495 (32) **7 Nov/nov 1997 (07.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07F 7/10**

(54) • PROTECTEDLY READING OUT AN ENCIPHERED, CRYPTOGRAPHIC KEY
• LECTURE SECURISEE D'UNE CLE DE CHIFFREMENT CRYPTEE

(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) **FRANSEN, Frank** [NL/NL]; Gedempte Kattendiep 90, NL–9711 PT Groningen (NL). **DÖLL, Jeroen** [NL/NL]; Brandewijngracht 7, NL–2312 PW Leiden (NL). **WOLTHUIS, Reinder** [NL/NL]; Blekenweg 119, NL–9753 JR Haren (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24944** (13) A1

(21) PCT/FR98/02336

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) fr (26) fr

(31) 97/14054 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07F 7/10, G06F 12/14**

(54) • METHOD FOR SECURE STORAGE MANAGEMENT
• PROCEDE DE GESTION SECURISE D'UNE MEMOIRE

(71) **GEMPLUS S.C.A.** [FR/FR]; Parc d'Activités de Gémenos, Avenue du Pic de Bertagne, F–13881 Gémenos Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRUN, Philippe** [FR/FR]; Lotissement les Séveriers, 14, allée du Ribas, F–13600 La Ciotat (FR). **COULIER, Charles** [FR/FR]; 19, avenue Frédéric Mistral, Le Cannet, F–13360 Roquevaire (FR).

(74) **NONNENMACHER, Bernard**; Gemplus S.C.A., Parc d'Activités de Gémenos, Avenue du Pic de Bertagne, F–13881 Gémenos Cedex (FR).

(81) AU BR CA CN 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).

---

(11) **WO 99/24945** (13) A1

(21) PCT/IB98/01392

(22) **8 Sep/sep 1998 (08.09.1998)**

(25) en (26) en

(31) 08/968,020 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07F 9/445, G06F 13/00 // 15/177**

(54) • SOFTWARE UPDATE MANAGER
• GESTIONNAIRE DE MISE A JOUR DE LOGICIELS

(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) **REHA, Mark, Keith**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **MORRIS, Charles**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).
(only for / seulement pour SE)

(74) **FAESSEN, Louis**; Prof. Holstaan 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24946** (13) A1

(21) PCT/US98/15994

(22) **3 Aug/août 1998 (03.08.1998)**

(25) en (26) en

(31) 08/967,982 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07F 11/22, 11/50**

(54) • ROTARY ROLLED COIN DISPENSER
• DISTRIBUTEUR ROTATIF DE ROULEAUX DE PIECES DE MONNAIE

(71) **HAMILTON SAFE COMPANY, INC.** [US/US]; 3143 Production Drive, Fairfield, OH 45104 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCOTT, Lowell** [US/US]; 10146 Lower River Road, Burlington, KY 41005 (US).

(74) **DEGRANDI, Joseph, A.** et al. / etc.; Beveridge, DeGrandi, Weilacher & Young, L.L.P., Suite 800, 1850 M Street, N.W., Washington, DC 20036 (US).

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

---

(11) **WO 99/24947** (13) A1

(21) PCT/GB98/03352

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723653.3 (32) **10 Nov/nov 1997 (10.11.1997)** (33) GB

(31) 9804865.5 (32) **6 Mar/mar 1998 (06.03.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G07F 17/32**

(54) • ENTERTAINMENT MACHINES
• MACHINES DE JEU

(71) **BARCREST LIMITED** [GB/GB]; Margaret Street, Ashton–under–Lyne, Lancashire OL7 0QQ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RANDALL, Dov** [GB/GB]; 32 Ennerdale Drive, Sunnybank, Bury BL9 8HU (GB).

(74) **QUEST, Barry** et al. / etc.; Wilson Gunn M'Caw, 41–51 Royal Exchange, Cross Street, Manchester M2 7BD (GB).

(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)*

---

(11) **WO 99/24948** (13) A1

(21) PCT/DK98/00437

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) da (26) en

(31) 1285/97 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G08B 1/08**

(54) • A SIGNALLING SYSTEM AND A METHOD FOR CONTROLLING THE SERVICE AT A RESTAURANT
• SYSTEME DE SIGNALISATION ET PROCEDE POUR CONTROLER LE SERVICE DANS UN RESTAURANT

(71, 72) **ANDERSEN, Allan** [DK/DK]; Chr. Sonnes Vej 15, DK–5230 Odense M (DK).

(74) **HOLME, Edvard**; Holme Patent a/s, Vesterbrogade 20, DK–1620 Copenhagen V (DK).

(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).

Published / Publiée : *(c)*

---

(11) **WO 99/24949** (13) A1

(21) PCT/EP98/05929

(22) **17 Sep/sep 1998 (17.09.1998)**

(25) de (26) de

(31) 197 49 136.7 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G08B 13/194**

(54) • METHOD AND DEVICE FOR DETECTING MOTION
• PROCEDE ET DISPOSITIF POUR LA DETECTION DE DEPLACEMENTS

(71) **GEUTEBRÜCK GMBH & CO. KG** [DE/DE]; D–53578 Windhagen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BEIS, Uwe** [DE/DE]; Sonnenweg 25, D–30827 Garbsen (DE). **GEUTEBRÜCK, Thomas** [DE/DE]; D–53578 Windhagen (DE).

(74) **LEWALD & PARTNER**; Rindermarkt 6, D–80331 München (DE).

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

---

(11) **WO 99/24950** (13) A1

(21) PCT/EP98/04087

(22) **2 Jul/juil 1998 (02.07.1998)**

(25) en (26) en

(31) 08/968,653 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G08B 13/24, H01F 1/153**

(54) • A METHOD OF ANNEALING AMORPHOUS RIBBONS AND MARKER FOR ELECTRONIC ARTICLE SURVEILLANCE
• PROCEDE DE RECUIT DE BANDES AMORPHES ET MARQUEUR POUR SURVEILLANCE ELECTRONIQUE D'ARTICLES

(71) **VACUUMSCHMELZE GMBH** [DE/DE]; Grüner Weg 37, D–63450 Hanau (DE).

(72) **HERZER, Giselher**; Röntgenstrasse 11, D–63486 Bruchköbel (DE).

(74) **EPPING, Wilhelm**; Postfach 22 13 17, D–80503 München (DE).

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

---

(11) **WO 99/24951** (13) A1

(21) PCT/US98/24061

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,375 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G08B 17/12, 17/00, B60Q 1/00, G01J 1/00**

(54) • SOLAR RADIATION SENSOR
• CAPTEUR DE RAYONNEMENT SOLAIRE

(71) **CONTROL DEVICES, INC.** [US/US]; 228 Northeast Road, Standish, ME 04084 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HILL, Jonathan, W.** [US/US]; 299 Beach Ridge Road, Scarborough, ME 04074 (US). **COOK, Richard** [US/US]; 2 Diamond Drive, North Waterboro, ME 04061 (US). **COTE, Mark** [US/US]; Box 950, Springvale, ME 04083 (US).

(74) **DANILUCK, John, V.** et al. / etc.; Woodard, Emhardt, Naughton, Moriarty & McNett, Suite 3700, Bank One Center/Tower, 111 Monument Circle, Indianapolis, IN 46204 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/24952** (13) A1

(21) PCT/CH97/00420

(22) **5 Nov/nov 1997 (05.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G08G 1/0967**

(54) • METHOD, SYSTEM AND DEVICES FOR COLLECTING TRAFFIC DATA
• PROCEDE, SYSTEME ET DISPOSITIFS DE COLLECTE DE DONNEES DE TRAFIC

(71) **SWISSCOM** [CH/CH]; Viktoriastrasse 21, CH–3050 Bern (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RITTER, Rudolf** [CH/CH]; Rossweidweg 8, CH–3052 Zollikofen (CH). **HEUTSCHI, Walter** [CH/CH]; Jungfrauweg 8, CH–3303 Jegensdorf (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 AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/24953** (13) A1

(21) PCT/US98/23979

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,681 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09B 7/00**

(54) • A LEARNING SYSTEM AND METHOD BASED ON REVIEW
• SYSTEME ET METHODE D'ACQUISITION DE CONNAISSANCES REPOSANT SUR LA REVISION

(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 GW ML MR NE SN TD TG).

---

(11) **WO 99/24954** (13) A1

(21) PCT/US98/23351

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/966,663 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09B 17/00, 19/00, 1/00, 5/00**

(54) • LITERACY TRAINING DEVICE
• DISPOSITIF D'ALPHABETISATION

(71, 72) **SIMS–BARNES, Wanda, L.** [US/US]; Apartment 12, 78 Edgebrook Estates, Cheektowaga, NY 14227 (US).

(74) **CROSSETTA, William, J., Jr.**; Crossetta & Associates, 905 Convention Towers, 43 Court Street, Buffalo, NY 14202 (US).

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

---

(11) **WO 99/24955** (13) A1

(21) PCT/US98/23583

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/966,411 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09C 1/12**

(54) • METHOD FOR TRANSFORMING MESSAGE CONTAINING SENSITIVE INFORMATION
• TECHNIQUE DE TRANSFORMATION APPLICABLE A DES MESSAGES CONTENANT DE L'INFORMATION SENSIBLE

(71) **JUSTSYSTEM PITTSBURGH RESEARCH CENTER, INC.** [US/US]; 4616 Henry Street, Pittsburgh, PA 15213 (US).

(72) **FAHLMAN, Scott, E.**; 6410 Wilkins Avenue, Pittsburgh, PA 15217 (US). **SUKTHANKAR, Rahul**; 5807 Ellsworth Avenue #2, Pittsburgh, PA 15232 (US). **BRUSSEAU, Antoine**; 4146 Murray Avenue, Pittsburgh, PA 15217 (US).

(74) **BYRNE, Richard, L.** et al. / etc.; Webb Ziesenheim Bruening Logsdon Orkin & Hanson, P.C., 700 Koppers Building, 436 Seventh Avenue, Pittsburgh, PA 15219–1818 (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 IS JP KE KG KP KR KZ 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 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 : *(c)*

---

(11) **WO 99/24956** (13) A1

(21) PCT/GB98/03358

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 9723689.7 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09F 3/20, A44C 3/00**

(54) • ATTACHMENT DEVICE
• DISPOSITIF DE FIXATION

(71, 72) **OLIVER, Philip, Edward** [GB/GB]; 24 Cotton Mill Spinney, Cubbington, Leamington Spa CV32 7XH (GB). **OLIVER, Alison, Claire** [GB/GB]; 24 Cotton Mill Spinney, Cubbington, Leamington Spa CV32 7XH (GB).

(74) **CROSTON, David**; Withers and Rogers, 4 Dyer's Buildings, Holborn, London EC1N 2QP (GB) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24957** (13) A1

(21) PCT/US98/24145

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 97/10154 (32) **11 Nov/nov 1997 (11.11.1997)** (33) ZA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09F 7/02**

(54) • DEVICE FOR DISPLAYING INFORMATION
• DISPOSITIF D'AFFICHAGE D'INFORMATIONS

(71) **VITEX BELEGGINGS 30 (PROPRIETARY) LIMITED** [ZA/ZA]; Intec House, 9th floor, 130 Marshall Street, Johannesburg (ZA).
(for all designated States except / pour tous les États désignés sauf US)

(71) **HANDELMAN, Joseph, H.** [US/US]; 26 West 61st Street, New York, NY 10023 (US).
(only for / seulement pour MW)

(72, 75) **BUHR, Karl** [ZA/ZA]; 90 Sauer Street, Glen Donald, Vereeniging, Gauteng Province 1939 (ZA).

(74) **HANDELMAN, Joseph, H.**; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24958** (13) A1

(21) PCT/DE98/03384

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 50 766.2 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09F 9/37**

(54) • INFORMATION DISPLAY
• AFFICHEUR D'INFORMATIONS

(71) **CARL BROSE GMBH** [DE/DE]; Uellendahler Strasse 437, D–42109 Wuppertal (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KHAVAND, Fariborz** [DE/DE]; Uellendahler Strasse 437, D–42109 Wuppertal (DE).

(74) **CHRISTIANSEN, Henning**; Pacelliallee 43/45, D–14195 Berlin (DE).

(81) BR CA CZ HU NO PL TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/24959** (13) A1

(21) PCT/EP98/07213

(22) **8 Nov/nov 1998 (08.11.1998)**

(25) de (26) de

(31) 197 49 438.2 (32) **9 Nov/nov 1997 (09.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09F 11/18**

(54) • DEVICE FOR FIXING POSTERS TO A STRIP
• DISPOSITIF DE FIXATION D'AFFICHES SUR UNE BANDE

(71, 72) **PEHE, Willy** [BE/BE]; Refat 5, B–4970 Stavelot (BE).

(74) **CARSTENS, Wilhelm**; Roberstrasse 30, D–51643 Gummersbach (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 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 : *(c)*

---

(11) **WO 99/24960** (13) A2

(21) PCT/IB98/01641

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 08/967,973 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09G 1/16**

(54) • GRAPHICS CONTROLLER FOR FORMING A COMPOSITE IMAGE
• CONTROLEUR GRAPHIQUE PERMETTANT DE FORMER UNE IMAGE COMPOSITE

(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) **WALSH, Christopher**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **FAESSEN, Louis, M., H.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

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

---

(11) **WO 99/24961** (13) A1

(21) PCT/US98/15220

(22) **23 Jul/juil 1998 (23.07.1998)**

(25) en (26) en

(31) 08/969,073 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09G 3/00, 3/10**

(54) • METHOD AND APPARATUS FOR BRIGHTNESS CONTROL IN A FIELD EMISSION DISPLAY
• PROCEDE ET APPAREIL DE COMMANDE DE LUMINOSITE UTILE DANS UN ECRAN A EFFET DE CHAMP

(71) **CANDESCENT TECHNOLOGIES CORPORATION** [US/US]; 6580 Via del Oro, San Jose, CA 95119 (US).

(72) **HANSEN, Ronald, L.**; 10941 Miguelito Road, San Jose, CA 95127 (US). **SPINDT, Christopher, J.**; 115 Hillside Avenue, Menlo Park, CA 94025 (US).

(74) **GALLENSON, Mavis, S.** et al. / etc.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036–5679 (US).

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

---

(11) **WO 99/24962** (13) A1

(21) PCT/US98/24019

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,181 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09G 5/00**

(54) • SYSTEM AND METHOD FOR DETECTING KEY ACTUATION IN A KEYBOARD
• DISPOSITIF DE DETECTION DE COMMANDE DE TOUCHE DANS UN CLAVIER ET TECHNIQUE CORRESPONDANTE

(71) **SMALL SYSTEMS DESIGN, LLC** [US/US]; Unit C, 3050 Airport Avenue, Santa Monica, CA 90405 (US).

(72) **OLODORT, Robert**; Unit C, 3050 Airport Avenue, Santa Monica, CA 90405 (US). **TANG, John**; 3358 Melendy Drive, San Carlos, CA 94070 (US). **TURCHIK, Randy**; 348 Goleta Terrace, Fremont, CA 94536 (US).

(74) **SCHELLER, James, C.** 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 IS JP KE KG KP KR KZ 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 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 : *(c)*

---

(11) **WO 99/24963** (13) A1

(21) PCT/US98/24128

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,181 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09G 5/00, H03K 17/94, B41J 5/08**

(54) • COLLAPSIBLE KEYBOARD
• CLAVIER PLIABLE

(71) **SMALL SYSTEMS DESIGN, LLC** [US/US]; 3050 Airport Avenue, Unit C, Santa Monica, CA 90405 (US).

(72) **OLODORT, Robert**; 3050 Airport Avenue, Unit C, Santa Monica, CA 90405 (US). **TANG, John**; 3358 Melendy Drive, San Carlos, CA 94070 (US).

(74) **SCHELLER, James, C.** 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 IS JP KE KG KP KR KZ 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 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 : *(c)*

---

(11) **WO 99/24964** (13) A1

(21) PCT/NL98/00648

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) nl (26) en

(31) 1007531 (32) **12 Nov/nov 1997 (12.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09G 5/02, G06T 11/00**

(54) • METHOD AND APPARATUS FOR COLOUR DISPLAY WITH COLOUR TRANSFORMATION TO IMPROVE PERCEPTION FOR PEOPLE WITH IMPAIRED COLOUR SIGHT
• PROCEDE ET APPAREIL D'AFFICHAGE EN COULEUR A TRANSFORMATION DES COULEURS POUR AMELIORER LA PERCEPTION D'INDIVIDUS ATTEINTS D'UNE DEFICIENCE DE LA VUE DES COULEURS

(71) **NEDERLANDSE ORGANISATIE VOOR TOEGEPAST–NATUURWETEN– SCHAPPELIJK ONDERZOEK TNO** [NL/NL]; Schoemakerstraat 97, NL–2628 VK Delft (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WALRAVEN, Jan** [NL/NL]; Daam Fockemalaan 96, NL–3818 KH Amersfoort (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL–2502 LS 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24965** (13) A1

(21) PCT/US98/22996

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 08/966,302 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(31) 09/131,122 (32) **7 Aug/août 1998 (07.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09G 5/08, G05G 9/00, 13/00, 9/04, G09G 1/16**

(54) • MULTI–AXIS CONTROLLER FOR VIRTUAL AND REAL 3D SPACE
• CONTROLEUR A AXES MULTIPLES POUR ESPACE VIRTUEL OU REEL TRIDIMENSIONNEL

(71, 72) **COOK, Brandt, A.** [US/US]; 211 Smokerise Drive, Wadsworth, OH 44281 (US).

(74) **SAMPLES, Kenneth, H.** et al. / etc.; Fitch, Even, Tabin & Flannery, Room 900, 135 South LaSalle Street, 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 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 : *(c)*

---

(11) **WO 99/24966** (13) A1

(21) PCT/US98/23885

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,457 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G09G 5/34**

(54) • AUTOMATICALLY SWITCHING A USER'S INTERFACE FROM A PROGRAM TO ANOTHER PROGRAM WHILE THE FIRST IS PROCESSING
• BASCULE AUTOMATIQUE D'UNE INTERFACE UTILISATEUR D'UN PROGRAMME A L'AUTRE ALORS QUE LE PREMIER PROGRAMME EST EXECUTE

(71, 72) **SLOTZNICK, Benjamin** [US/US]; 507 Third Street, P.O. Box 23, Mt. Gretna, PA 17064 (US).

(74) **JABLON, Clark, A.** et al. / etc.; Panitch Schwarze Jacobs & Nadel, P.C., 22nd floor, One Commerce Square, 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 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 : *(c)*

---

(11) **WO 99/24967** (13) A1

(21) PCT/US98/24152

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,111 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G10K 11/00, 11/20**

(54) • SHIELDED ULTRASOUND PROBE
• SONDE A ULTRASONS BLINDEE

(63) US 60/065,111 (CON) 12 Nov/nov 1997 (12.11.1997)

(71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; Office of Technology Transfer, National Institutes of Health, Suite 325, 6011 Executive Boulevard, Rockville, MD 20852 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEN, Han** [CN/US]; Apartment 301, 437 West Side Drive, Gaithersburg, MD 20878 (US). **BENNETT, Eric, B.** [US/US]; 78–3 Mineral Springs Drive, Gaithersburg, MD 20877 (US).

(74) **FEILER, William, S.** et al. / etc.; Morgan & Finnegan, L.L.P., 345 Park Avenue, New York, NY 10154 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24968** (13) A1

(21) PCT/US98/14922

(22) **17 Jul/juil 1998 (17.07.1998)**

(25) en (26) en

(31) 08/965,696 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G10L 3/00**

(54) • METHOD, DEVICE AND SYSTEM FOR PART–OF–SPEECH DISAMBIGUATION
• PROCEDE, DISPOSITIF ET SYSTEME DE DESAMBIGUISATION DE NATURE GRAMMATICALE

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **KARAALI, Orhan**; 5 Juniper Road, Rolling Meadows, IL 60008 (US). **MACKIE, Andrew, William**; 2409 Creek Bend Road #204, Schaumburg, IL 60173 (US).

(74) **STOCKLEY, Darleen, J.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(81) CA DE GB.

Published / Publiée : *(c)*

---

(11) **WO 99/24969** (13) A1

(21) PCT/US98/24134

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,643 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G10L 5/02**

(54) • READING SYSTEM THAT DISPLAYS AN ENHANCED IMAGE REPRESENTATION
• SYSTEME DE LECTURE AFFICHANT UNE REPRESENTATION EN IMAGE AMELIOREE

(63) US 08/968,643 (CON) 12 Nov/nov 1997 (12.11.1997)

(71) **KURZWEIL EDUCATIONAL SYSTEMS, INC.** [US/US]; 411 Waverly Oaks Road, Waltham, MA 02154 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KURZWEIL, Raymond, C.** [US/US]; 203 Lake Avenue, Newton, MA 02161 (US). **DAY, Colin** [US/US]; 569 Lexington Street, Waltham, MA 02154 (US).

(74) **MALONEY, Denis, G.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110–2804 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24970** (13) A2

(21) PCT/US98/22806

(22) **26 Oct/oct 1998 (26.10.1998)**

(25) en (26) en

(31) 08/965,340 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 09/005,913 (32) **12 Jan/jan 1998 (12.01.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B**

(54) • SLIDER AND ELECTRO–MAGNETIC COIL ASSEMBLY
• ORGANE COULISSANT ET ENSEMBLE BOBINE ELECTROMAGNETIQUE

(71) **READ–RITE CORPORATION** [US/US]; 345 Los Coches Street, Milpitas, CA 95035 (US).

(72) **WANG, Yugang**; 1687 Tahoe Drive, Milpitas, CA 95035–7028 (US). **SHEN, Jimmy, Jyhming**; 39331 Canyon Heights Drive, Fremont, CA 94539 (US). **TRANG, Howie**; 119 Millhaven Pl., San Jose, CA 95111 (US). **BARNES, Marcus, Hamilton**; 10210 Vern Avenue, Felton, CA 95018 (US). **HISHIDA, Tatsuaki**; 800 Saratoga Avenue, A309, San Jose, CA 95129 (US).

(74) **KASSATLY, Samuel, A.**; 6819 Trinidad Drive, San Jose, CA 95120 (US).

(81) DE GB JP KR SG.

---

(11) **WO 99/24971** (13) A2

(21) PCT/JP98/04913

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 9/309116 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 5/00**

(54) • MAGNETIC RECORDING/REPRODUCTION DEVICE
• DISPOSITIF DE REPRODUCTION ET D'ENREGISTREMENT MAGNETIQUE

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006–banchi, Oaza–Kadoma, Kadoma–shi, Osaka 571–8501 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ISHIDA, Tatsuaki** [JP/JP]; 3–1421, Nakamozukouendanchi, 998–3, Nakamozucho 6–cho, Sakai–shi, Osaka 591–8023 (JP). **HAMADA, Taizou** [JP/JP]; 32–5, Ikuno 2–chome, Katano–shi, Osaka 576–0054 (JP). **TOHMA, Kiyokazu** [JP/JP]; 82–16, Ikaganishimachi, Hirakata–shi, Osaka 573–0066 (JP). **RYONAI, Hiroshi** [JP/JP]; 17–18, Shojihigashi 3–chome, Ikuno–ku, Osaka–shi, Osaka 544–0003 (JP). **MIYATA, Keizou** [JP/JP]; Room 409, Matsushitadenki–shounryo, 26–3, Yagumokitamachi 2–chome, Moriguchi–shi, Osaka 570–0008 (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 SG US.

---

(11) **WO 99/24972** (13) A1

(21) PCT/US97/20560

(22) **12 Nov/nov 1997 (12.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 5/41**

(54) • MAGNETIC HEAD AND TAPE PATH CLEANING TAPE
• BANDE NETTOYANTE POUR TETE DE LECTURE ET TRAJET DE BANDE MAGNETIQUE

(71) **GENEVA GROUP OF COMPANIES, INC.** [US/US]; 7109 31st Avenue North, Minneapolis, MN 55427 (US).

(72) **THIESSEN, Jeffrey, S.**; 106 Independence Court, Champlin, MN 55316 (US).

(74) **MOORE, Malcolm, L.** et al. / etc.; Moore & Hansen, 3000 Norwest Center, 90 S. 7th Street, Minneapolis, MN 55402 (US).

(81) CN JP NO; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24973** (13) A1

(21) PCT/US98/23855

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/967,669 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 5/64**

(54) • HIGHLY ORIENTED MAGNETIC THIN FILMS, RECORDING MEDIA, TRANSDUCERS, DEVICES MADE THEREFROM AND METHODS OF MAKING
• FILMS MINCES HAUTEMENT ORIENTES, SUPPORTS D'ENREGISTREMENT MAGNETIQUES, TRANSDUCTEURS, DISPOSITIFS FORMES A PARTIR DE CEUX–CI ET PROCEDES DE FABRICATION

(71) **CARNEGIE MELLON UNIVERSITY** [US/US]; 5000 Forbes Avenue, Pittsburgh, PA 15213–3890 (US).

(72) **LAMBETH, David, N.**; 118 Buckingham Road, Pittsburgh, PA 15215 (US). **LAUGHLIN, David, E.**; 2357 McNary Boulevard, Pittsburgh, PA 15235 (US). **GONG, Heng**; 3222 Juliet Street, Pittsburgh, PA 15213 (US). **YANG, Wei**; Apartment #5, 3612 Dawson Street, Pittsburgh, PA 15213 (US). **ZOU, Jie**; Apartment #3, 323 South Evaline Street, Pittsburgh, PA 15224 (US).

(74) **ETHRIDGE, Christine, R.** et al. / etc.; Kirkpatrick & Lockhart LLP, 1500 Oliver Building, Pittsburgh, PA 15222 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/24974** (13) A2

(21) PCT/IB98/01727

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 97203460.7 (32) **7 Nov/nov 1997 (07.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 7/135**

(54) • OPTICAL SCANNING DEVICE
• DISPOSITIF DE BALAYAGE OPTIQUE

(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) **COOMBS, James, Howard**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **VISSER, Derk**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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).

---

(11) **WO 99/24975** (13) A1

(21) PCT/IB98/01728

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 97203459.9 (32) **7 Nov/nov 1997 (07.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 7/24**

(54) • REWRITABLE OPTICAL INFORMATION MEDIUM OF A Ge–Sb–Te ALLOY
• SUPPORT D'INFORMATION OPTIQUE REENREGISTRABLE COMPRENANT UN ALLIAGE Ge–Sb–Te

(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). **JACOBS, Bernardus, Antonius, Johannus**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **STOLK, Steven, A.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24976** (13) A1

(21) PCT/US98/24147

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,579 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/081,117 (32) **19 May/mai 1998 (19.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 7/26, B29C 65/78, B25B 11/00, B23Q 3/08**

(54) • IMPROVED SYSTEM AND METHOD FOR CURING A RESIN IN A BONDED STORAGE DISK
• SYSTEME ET PROCEDE AMELIORES DE DURCISSEMENT D'UNE RESINE DANS UN DISQUE COLLE DE STOCKAGE D'INFORMATIONS

(71) **FIRST LIGHT TECHNOLOGY, INC.** [US/US]; 77 Industrial Park Drive, P.O. Box 70, Saco, ME 04072 (US).

(72) **PAULUS, Joseph, W.**; 904 Washington Avenue, Portland, ME 04103 (US). **LIGHT, Kendrick, H.**; 131 Cottage Road, Windham, ME 04062 (US).

(74) **DICHIARA, Peter, M.** et al. / etc.; Hale and Dorr LLP, 60 State Street, Boston, MA 02109 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24977** (13) A1

(21) PCT/US98/24150

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/065,579 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/081,536 (32) **19 May/mai 1998 (19.05.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 7/26, B32B 31/28, 7/12, B29C 65/48**

(54) • SYSTEM AND METHOD OF FORMING BONDED STORAGE DISKS WITH LOW POWER LIGHT ASSEMBLY
• SYSTEME ET PROCEDE DE FORMATION DE DISQUES COLLES DE STOCKAGE D'INFORMATIONS AVEC UN ENSEMBLE EMETTANT UNE LUMIERE DE FAIBLE PUISSANCE

(71) **FIRST LIGHT TECHNOLOGY, INC.** [US/US]; 77 Industrial Park Drive, P.O. Box 70, Saco, ME 04072 (US).

(72) **PAULUS, Joseph, W.**; 904 Washington Avenue, Portland, ME 04103 (US). **LIGHT, Kendrick, H.**; 131 Cottage Road, Windham, ME 04062 (US). **PARENT, Scott, R.**; 1 Kimberly Drive, Saco, ME 04072 (US). **PARENT, Donald, G.**; 11 Stone Brook Drive, Windham, ME 04062 (US). **LeBLANC, Arthur, R., III**; 10 Alewive Farm Road, Kennebunk, ME 04043 (US). **RAMANATHAM, Elangovan**; 367 Gorham Road, Scarborough, ME 04074 (US).

(74) **DICHIARA, Peter, M.** et al. / etc.; Hale and Dorr LLP, 60 State Street, Boston, MA 02109 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/24978** (13) A1

(21) PCT/JP98/04801

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) ja (26) ja

(31) 9/306157 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 11/10, 5/02**

(54) • MAGNETIC RECORDER, MAGNETIC RECORDING/REPRODUCING APPARATUS, AND MAGNETIC RECORDING METHOD
• ENREGISTREUR MAGNETIQUE, DISPOSITIF D'ENREGISTREMENT/REPRODUCTION MAGNETIQUE ET PROCEDE D'ENREGISTREMENT MAGNETIQUE

(71) **SHARP KABUSHIKI KAISHA** [JP/JP]; 22–22, Nagaike–cho, Abeno–ku, Osaka–shi, Osaka 545–8522 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SAWAMURA, Shinzo** [JP/JP]; 842, Raporu–Tenri, 2613–1, Ichinomoto–cho, Tenri–shi, Nara 632–0004 (JP). **KATAYAMA, Hiroyki** [JP/JP]; 1–17–34–510, Tomio–Kita, Nara–shi, Nara 631–0076 (JP).

(74) **HARA, Kenzo**; Harakenzo Patent Law Firm, Daiwa Minamimorimachi Building, 2–6, Tenjinbashi 2–chome Kita, Kita–ku, Osaka–shi, Osaka 530–0041 (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).

Published / Publiée : *(a)*

---

(11) **WO 99/24979** (13) A1

(21) PCT/US98/20047

(22) **24 Sep/sep 1998 (24.09.1998)**

(25) en (26) en

(31) 08/936,982 (32) **25 Sep/sep 1997 (25.09.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 15/68, 17/18**

(54) • COMPACT DISC TRANSPORT LOADER SYSTEM
• SYSTEME DE CHARGEUR POUR TRANSPORT DE DISQUES COMPACTS

(71) **MULTIDISC TECHNOLOGIES** [US/US]; Suite 800, 7755 Center Avenue, Huntington Beach, CA 92647 (US).

(72) **BOS, Eric, Rene**; 17915 Santa Valera, Fountain Valley, CA 92708 (US). **MONTELIUS, Robert, L., Jr.**; 26001 LaCuesta Avenue, Laguna Hills, CA 92653 (US).

(74) **STETINA, Kit, M.** et al. / etc.; Stetina Brunda Garred & Brucker, Suite 401, 24221 Calle de la Louisa, Laguna Hills, CA 92653 (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).

---

(11) **WO 99/24980** (13) A1

(21) PCT/US98/22999

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/968,561 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/096,781 (32) **12 Jun/juin 1998 (12.06.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 19/04, 19/12, 17/04**

(54) • METHOD AND APPARATUS FOR CARTRIDGE EJECTION AND OVERWRITE PROTECTION
• PROCEDE ET APPAREIL D'EJECTION D'UNE CARTOUCHE ET DE PROTECTION CONTRE LE RECOUVREMENT

(71) **IOMEGA CORPORATION** [US/US]; 1821 West Iomega Way, Roy, UT 84067 (US).

(72) **LARSEN, Troy**; 520 East 3550 North, North Ogden, UT 84414 (US). **DEWEY, Jason**; 3695 Lark Circle, Ogden, UT 84403 (US). **PAN, Weimin**; 1037 East 1500 North, Layton, UT 84040 (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).

---

(11) **WO 99/24981** (13) A1

(21) PCT/US98/24073

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,145 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 20/12, 20/00, G06F 3/06**

(54) • A VIRTUAL MAGNETIC TAPE DRIVE LIBRARY SYSTEM
• BIBLIOTHEQUE DE LECTEURS DE BANDES MAGNETIQUES VIRTUELS

(71) **QUANTUM CORPORATION** [US/US]; 500 McCarthy Boulevard, Milpitas, CA 95035 (US).

(72) **SALIBA, George, A.**; 109 Howard Street, Northboro, MA 01532 (US). **HALL, Michelle, M.**; 80 Webster Street, Douglas, MA 01516 (US). **CLARKE, Weston, St., A.**; 117 Main Boulevard, Shrewsbury, MA 01545 (US).

(74) **PENN, Jonathan, B.** et al. / etc.; Quantum Corporation, 500 McCarthy Boulevard, Milpitas, CA 95035 (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)*

---

(11) **WO 99/24982** (13) A1

(21) PCT/US98/22968

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 08/968,355 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 23/03**

(54) • COMPRESSION RETURN SPRING WITH A GUIDE FOR A DATA CARTRIDGE
• RESSORT DE RAPPEL COMPRESSIBLE MUNI D'UNE TIGE POUR CATOUCHE DE SUPPORT DE SUPPORT DE DONNEES

(71) **IOMEGA CORPORATION** [US/US]; 1821 West Iomega Way, Roy, UT 84067 (US).

(72) **SCHICK, Brian**; 10083 Riverhead Drive, San Diego, CA 92129 (US). **NOWELL, Shane**; 4250 South 1000 West #52, Riverdale, UT 84405 (US). **NORDMEYER, Michael, William**; 607 Highview Court, Neshanic Station, NJ 08853 (US). **LITTLEWOOD, Barry**; 11 Howell Lane, Harmony, NJ 08865 (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).

---

(11) **WO 99/24983** (13) A1

(21) PCT/US98/22979

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 08/968,233 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 23/03, 23/033**

(54) • LINER FOR SHUTTER SHELL
• DOUBLURE POUR DOUILLE DE VOLET

(71) **IOMEGA CORPORATION** [US/US]; 1821 West Iomega Way, Roy, UT 84067 (US).

(72) **HALES, Ronald, F.**; 2346 West 5800 South, Roy, UT 84067 (US). **SCHICK, Brian**; 10083 Riverhead Drive, San Diego, CA 92129 (US).

(74) **KURTZ, Richard, E.** et al. / etc.; Woodcock, Washburn, Kurtz, Mackiewicz & Norris LL P, 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).

---

(11) **WO 99/24984** (13) A1

(21) PCT/US98/23086

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/968,362 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 23/03, B29C 65/14, B23K 26/00**

(54) • LASER WELD DISK CARTRIDGE
• CARTOUCHE DE DISQUE SOUDEE AU LASER

(71) **IOMEGA CORPORATION** [US/US]; 1821 West Iomega Way, Roy, UT 84067 (US).

(72) **BEUCH, Donald**; 158 East 6715 South, Midvale, UT 84067 (US). **HALES, Ronald, F.**; 2346 West 5800 South, Roy, UT 84067 (US). **SCHICK, Brian**; 10083 Riverhead Drive, San Diego, CA 92129 (US). **GUCKER, Carl, Thomas**; North Court, Brandon Fields, Brandon, Suffolk 1P27 0SF (GB). **NORDMEYER, Michael, William**; 607 Highview Court, Neshanic Station, NJ 08853 (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).

---

(11) **WO 99/24985** (13) A1

(21) PCT/US98/23824

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/968,356 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/096,953 (32) **12 Jun/juin 1998 (12.06.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 23/03**

(54) • A ROTARY INNER SHELL FOR A DISK CARTRIDGE
• ENVELOPPE INTERIEURE ROTATIVE DESTINEE A UNE CARTOUCHE DE DISQUE

(71) **IOMEGA CORPORATION** [US/US]; 1821 West Iomega Way, Roy, UT 84067 (US).

(72) **MUSE, Jay, A.**; 1555 North Pony Express Way, Centerville, UT 84014 (US). **SCHICK, Brian**; 10083 Riverhead Drive, San Diego, CA 92129 (US). **NOWELL, Shane**; 4250 South 1000 West #52, Riverdale, UT 84405 (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).

---

(11) **WO 99/24986** (13) A1

(21) PCT/JP98/05013

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9/310600 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(31) 10/36168 (32) **18 Feb/fév 1998 (18.02.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 23/087**

(54) • A MAGNETIC TAPE CASSETTE
• CASSETTE A BANDE MAGNETIQUE

(71) **FUJI PHOTO FILM CO., LTD.** [JP/JP]; 210, Nakanuma, Minami–Ashigara–shi, Kanagawa 250–0123 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ASHIKAWA, Teruo** [JP/JP]; Fuji Photo Film Co., Ltd., 12–1, Ogicho 2–chome, Odawara–shi, Kanagawa 250–0001 (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) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/24987** (13) A1

(21) PCT/GB98/03400

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 9723893.5 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11B 27/031**

(54) • EDITING COMPRESSED SIGNALS
• MISE EN FORME DE SIGNAUX COMPRIMES

(71) **SNELL & WILCOX LIMITED** [GB/GB]; 6 Old Lodge Place, St. Margaret's, Twickenham TW1 1RQ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KNEE, Michael, James** [GB/GB]; 6 Woodbury Avenue, Petersfield, Hampshire GU32 2EE (GB).

(74) **GARRATT, Peter, Douglas** et al. / etc.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).

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

---

(11) **WO 99/24988** (13) A1

(21) PCT/US98/20953

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 08/965,834 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G11C 16/06**

(54) • A SENSING CIRCUIT FOR A FLOATING GATE MEMORY DEVICE HAVING MULTIPLE LEVELS OF STORAGE IN A CELL
• CIRCUIT DE DETECTION DESTINE A UN DISPOSITIF DE MEMOIRE A GRILLE FLOTTANTE COMPORTANT PLUSIEURS NIVEAUX DE STOCKAGE DANS UNE CELLULE

(71) **SILICON STORAGE TECHNOLOGY, INC.** [US/US]; 1171 Sonora Court, Sunnyvale, CA 94086 (US).

(72) **WANG, Ping**; 19932 Merribrook Drive, Saratoga, CA 95070 (US).

(74) **YIN, Ronald, L.** et al. / etc.; Limbach & Limbach L.L.P., 2001 Ferry Building, San Francisco, CA 94111 (US).

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

---

(11) **WO 99/24989** (13) A1

(21) PCT/DE98/03274

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 893.0 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G21C 19/10, 19/105, 19/32**

(54) • LOADING MACHINE FOR DISPLACING LONG JUXTAPOSED OBJECTS SUCH AS FUEL ELEMENTS
• MACHINE DE CHARGEMENT PERMETTANT DE DEPLACER DES OBJETS LONGS JUXTAPOSES, NOTAMMENT DES ELEMENTS COMBUSTIBLES

(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) **FÄSER, Karl** [DE/DE]; Ginsterweg 6, D–91088 Bubenreuth (DE). **LAURER, Erwin** [DE/DE]; Frankenstrasse 5, D–91096 Möhrendorf (DE). **MODEL, Jürgen** [DE/DE]; Barthelmessstrasse 25, D–91056 Erlangen (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(81) JP SE US.

Published / Publiée : *(c)*

---

(11) **WO 99/24990** (13) A2

(21) PCT/US98/24034

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 60/064,801 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **G21G**

(54) • INERTIAL ELECTROSTATIC CONFINEMENT (IEC) FUSION DEVICE WITH GATE–VALVE PULSING
• DISPOSITIF DE FUSION PAR CONFINEMENT INERTIEL ELECTROSTATIQUE (IEC) A CLAPET OBTURATEUR A EMISSION D'IMPULSIONS

(71, 72) **MILEY, George, H.** [US/US]; 914 West Armory Drive, Champaign, IL 61821 (US). **JURCZYK, Brian, E.** [US/US]; 506 West Griggs Street #102, Urbana, IL 61801 (US). **GU, Yibin** [CN/US]; 2503 West Springfield, Champaign, IL 61821 (US). **STUBBERS, Robert, A.** [US/US]; 106 South Coler #22, Urbana, IL 61801 (US). **WILLIAMS, Michael, J.** [US/US]; 807 West James Court, Mahomet, IL 61853 (US).

(74) **KASPER, Alan, J.** et al. / etc.; Sughrue, Mion, Zinn, MacPeak & Seas, PLLC, Suite 800, 2100 Pennsylvania Avenue, N.W., Washington, DC 20037–3202 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24991** (13) A1

(21) PCT/GB98/03241

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 9723464.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(31) 9801159.6 (32) **21 Jan/jan 1998 (21.01.1998)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01B 1/12**

(54) • CONDUCTIVE POLYMER COMPOSITIONS
• COMPOSITIONS POLYMERES CONDUCTRICES

(71) **BICC PUBLIC LIMITED COMPANY** [GB/GB]; Devonshire House, Mayfair Place, London W1X 5FH (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ADAMS, Phillip, Norman** [GB/GB]; 1 Quality Street, High Shincliffe, Durham DH1 2PP (GB). **MONKMAN, Andrew, Paul** [GB/GB]; Lime Tree House, 50 Front Street, Stanhope, Weardale DL13 2UE (GB). **POMFRET, Stephen, John** [GB/GB]; 8 Front Street, Frosterley, Bishop Auckland, County Durham DL13 2QJ (GB).

(74) **POOLE, Michael, John**; BICC Patents & Licensing Dept., Quantum House, Maylands Avenue, Hemel Hempstead, Hertfordshire HP2 7DE (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/24992** (13) A1

(21) PCT/US98/23493

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,963 (32) **8 Nov/nov 1997 (08.11.1997)** (33) US

(31) 09/136,507 (32) **19 Aug/août 1998 (19.08.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01C 7/105, 7/12**

(54) • POLYMER COMPOSITES FOR OVERVOLTAGE PROTECTION
• COMPOSITES POLYMERES DESTINEES A LA PROTECTION CONTRE LES SURTENSIONS

(71) **LITTELFUSE, INC.** [US/US]; 800 East Northwest Highway, Des Plaines, IL 60016 (US).

(72) **RECTOR, Louis**; 17572 Windslow Drive, Grayslake, IL 60030 (US). **HYATT, Hugh, M.**; 20611 East Bothell Everett Highway #276, Bothell, WA 98012 (US).

(74) **MORNEAULT, Monique, A.** et al. / etc.; Wallenstein & Wagner, Ltd., 53rd floor, 311 South Wacker Drive, Chicago, IL 60606–6622 (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).

---

(11) **WO 99/24993** (13) A2

(21) PCT/SE98/01725

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) sv (26) en

(31) 9703927–5 (32) **28 Oct/oct 1997 (28.10.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01F 7/14**

(54) • ELECTROMAGNET
• ELECTRO–AIMANT

(71) **SEM DRIVE AB** [SE/SE]; P.O. Box 103, S–662 23 Åmål (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ÅHS, Wilgot** [SE/SE]; P.O. Box 29, S–670 41 Koppom (SE).

(74) **ONN, Thorsten** et al. / etc.; AB Stockholms Patenbyrå AB, Zacco & Bruhn (publ), P.O. Box 23101, S–104 35 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/24994** (13) A1

(21) PCT/US98/24361

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,511 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01G 4/38, G06F 12/00, 13/00**

(54) • ELECTRONIC BOOK SYSTEM
• SYSTEME DE LIVRE ELECTRONIQUE

(71, 72) **GASTON, Kerry** [US/US]; 2474 Aberdeen Drive, Montgomery, AL 36116 (US).

(74) **BELUSH, Thomas, A.** et al. / etc.; Leydig, Voit & Mayer, Ltd., Two Prudential Plaza, Suite 4900, 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 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 : *(c)*

---

(11) **WO 99/24995** (13) A1

(21) PCT/EP98/07206

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 1257/97 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DK

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01G 9/155**

(54) • DOUBLE LAYER CAPACITOR AND ITS MANUFACTURING METHOD
• CONDENSATEUR DOUBLE COUCHE ET SON PROCEDE DE FABRICATION

(71) **DANIONICS A/S** [DK/DK]; Hestehaven 21J, DK–5260 Odense (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NISSEN, Ole, Stig** [DK/DK]; Vinkaeldervej 27, DK–5000 Odense C (DK). **BECK, Hans, Christian** [DK/DK]; Ernebjergvej 6, DK–5230 Odense M (DK). **SCHOU, Michael** [DK/DK]; Nedergade 51, DK–5000 Odense C (DK).

(74) **MARCHANT, James, Ian**; Elkington and Fife, Prospect House, 8 Pembroke Road, Sevenoaks, Kent TN13 1XR (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/24996** (13) A1

(21) PCT/RU97/00353

(22) **11 Nov/nov 1997 (11.11.1997)**

(25) ru (26) ru

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01G 9/155**

(54) • CAPACITOR WITH DUAL ELECTRIC LAYER
• CONDENSATEUR A COUCHE ELECTRIQUE DOUBLE

(71) **NAUCHNO–PROIZVODSTVENNOE PREDPRIYATIE "EKSIN"** [RU/RU]; Starokashirskoe shosse, 4–4, Moscow, 115201 (RU). **ZAKRYTOE AKTSIONERNOE OBSCHESTVO "ESMA"** [RU/RU]; pr. Leninsky, 53, Moscow, 115201 (RU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BELYAKOV, Alexei Ivanovich** [RU/RU]; pr. Leninskogo Komsomola, 54–54, Kursk, 305026 (RU). **DASHKO, Oleg Grigorievich** [RU/RU]; ul. 50 let VLKSM, 2a–135, Korolev, Moskovskaya obl., 141070 (RU). **KAZAROV, Vladimir Alexandrovich** [RU/RU]; ul. Tsentralnaya, 30–135, Troitsk, Podolsky raion, Moskovskaya obl., 142092 (RU). **KAZARYAN, Samvel Avakovich** [RU/RU]; ul. Tsentralnaya, 26–25, Troitsk, Podolsky raion, Moskovskaya obl., 142092 (RU). **LITVINENKO, Sergei Vitalievich** [RU/RU]; Zelenograd, 1101–168, Moscow, 103460 (RU). **KUTYANIN, Vladimir Ivanovich** [RU/RU]; Kashirskoe shosse, 55–2–526, Moscow, 115621 (RU). **SHMATKO, Pavel Andreevich** [RU/RU]; ul. Kosmonavtov, 8–a–17, Korolev, Moskovskaya obl., 141070 (RU). **VASECHKIN, Vladimir Ivanovich** [RU/RU]; pr. Koroleva, 2–a–130, Korolev, Moskovskaya obl., 141070 (RU).

(74) **GOWLING, STPATHY & HENDERSON**; B. Palashevsky per., 3–2, Dementiev V., Moscow, 103104 (RU).

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

---

(11) **WO 99/24997** (13) A1

(21) PCT/KR98/00362

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 1997/31819 U (32) **12 Nov/nov 1997 (12.11.1997)** (33) KR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01H 13/70**

(54) • PUSH BUTTON FOR CONTROL PANELS
• BOUTON–POUSSOIR POUR PANNEAUX DE COMMANDE

(71) **DAEWOO ELECTRONICS CO., LTD.** [KR/KR]; 541, 5–Ga, Namdaemoon–ro, Jung–ku, Seoul 100–095 (KR).

(72) **KIM, Tae–Hong**; 502–1302, Kyungnam Ap., Sankog 2–dong, Pupyung–ku, Incheon 403–022 (KR).

(74) **NAM, Sang–Sun**; The Korea Chamber of Commerce & Industry Building, 8th floor, #45, 4–Ga, Namdaemoon–Ro, Jung–ku, Seoul 100–094 (KR).

(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)*

---

(11) **WO 99/24998** (13) A1

(21) PCT/AU98/00901

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) PP 0263 (32) **10 Nov/nov 1997 (10.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01H 43/04, A47J 36/32, G04G 15/00**

(54) • TIMER WITH RESETTABLE ALARM AND AUTOMATIC TURN–OFF
• MINUTERIE AVEC REMISE A ZERO DE L'ALARME ET DESACTIVATION AUTOMATIQUE

(71, 72) **DURSTON, Richard, Vereker** [AU/AU]; 77/8–12 Eyre Street, Griffith, ACT 2603 (AU). **DURSTON, Andrew, Albert** [AU/AU]; Clearwell Park, Lot 122, Gooda Creek Road, Murrum Bateman, NSW 2582 (AU).

(74) **DURSTON, Richard, Vereker**; 77/8–12 Eyre Street, Griffith, ACT 2603 (AU).

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

---

(11) **WO 99/24999** (13) A1

(21) PCT/JP98/04976

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) ja (26) ja

(31) 9/304184 (32) **6 Nov/nov 1997 (06.11.1997)** (33) JP

(31) 9/335353 (32) **5 Dec/déc 1997 (05.12.1997)** (33) JP

(31) 9/347465 (32) **17 Dec/déc 1997 (17.12.1997)** (33) JP

(31) 10/140 (32) **5 Jan/jan 1998 (05.01.1998)** (33) JP

(31) 10/51722 (32) **4 Mar/mar 1998 (04.03.1998)** (33) JP

(31) 10/132983 (32) **15 May/mai 1998 (15.05.1998)** (33) JP

(31) 10/193000 (32) **8 Jul/juil 1998 (08.07.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01J 11/02, 17/49, 9/227, 1/62, C09K 11/64, 11/80, 11/78, 11/59**

(54) • PHOSPHOR MATERIAL, PHOSPHOR MATERIAL POWDER, PLASMA DISPLAY PANEL, AND PROCESSES FOR PRODUCING THESE
• SUBSTANCE LUMINOPHORE, POUDRE DE SUBSTANCE LUMINOPHORE, TELEVISION A ECRAN PLAT A PLASMA ET PROCEDES DE PRODUCTION

(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) **AOKI, Masaki** [JP/JP]; 5–12–1, Aoshinke, Minoo–shi, Osaka 562–0024 (JP). **KADO, Hiroyuki** [JP/JP]; 1–15–34–107, Niitaka, Yodogawa–ku, Osaka–shi, Osaka 532–0033 (JP). **SUZUKI, Shigeo** [JP/JP]; 2–9–1–315, Higashinakafuri, Hirakata–shi, Osaka 573–0093 (JP). **KAWAMURA, Hiroyuki** [JP/JP]; 5–28–9, Fujigao, Katano–shi, Osaka 576–0022 (JP). **OHTANI, Mitsuhiro** [JP/JP]; 3–8–31, Kouryounakamachi, Sakai–shi, Osaka 591–0024 (JP).

(74) **AOYAMA, Tamotsu** et al. / etc.; Aoyama & Partners, IMP Building, 3–7, Shiromi 1–chome, Chuo–ku, Osaka–shi, Osaka 540–0001 (JP).

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

---

(11) **WO 99/25000** (13) A1

(21) PCT/GB98/03320

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723632.7 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01J 37/02, 37/317, G21K 1/14**

(54) • ION IMPLANTATION APPARATUS AND METHOD OF IMPLANTING IONS TO PREVENT CHARGE BUILD UP ON A SUBSTRATE
• APPAREIL ET METHODE D'IMPLANTATION DES IONS DESTINES A EMPECHER L'ACCUMULATION DE CHARGES SUR UN SUBSTRAT

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054–3299 (US).
(for all designated States except / pour tous les États désignés sauf US)

(71) **CROSS, Rupert, Edward, Blount** [GB/GB]; 27 Furnival Street, London EC4A 1PQ (GB).
(only for / seulement pour LR)

(72, 75) **ITO, Hiroyuki** [JP/JP]; 895, Kitakobayashi, Mibu, Tochigi 321–02 (JP).

(74) **BOULT WADE TENNANT**; 27 Furnival Street, London EC4A 1PQ (GB).

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

---

(11) **WO 99/25001** (13) A1

(21) PCT/IB98/01726

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 97203461.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01J 61/067, G02F 1/1335**

(54) • ILLUMINATION UNIT AND LIQUID CRYSTAL DISPLAY DEVICE
• UNITE D'ECLAIRAGE ET DISPOSITIF D'AFFICHAGE A CRISTAUX LIQUIDES

(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) **WESSELS, Johannes, Hendrik**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **OP HET VELD, Johannes, Hubertus, Gerardus**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **EVERS, Johannes H., M.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

(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)*

---

(11) **WO 99/25002** (13) A1

(21) PCT/US98/23764

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,063 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01K 3/32, H01J 9/00**

(54) • DEVICE AND METHOD FOR FACILITATING PLACEMENT OF ELECTRIC ILLUMINATING DEVICES
• DISPOSITIF ET PROCEDE FACILITANT L'INSTALLATION DES DISPOSITIFS D'ECLAIRAGE ELECTRIQUE

(71) **RANDOLPH, Albert, C.** [US/US]; 1912 R Street, N.W., Washington, DC 20009 (US).

(74) **PETERSON, Stephen, L.** et al. / etc.; Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 1300 I Street, N. W., Washington, DC 20005–3315 (US).

(81) AU BR CA JP KR MX NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25003** (13) A2

(21) PCT/IB98/01654

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 97203518.2 (32) **12 Nov/nov 1997 (12.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L**

(54) • MANUFACTURE OF A SEMICONDUCTOR DEVICE WITH A POLY–EMITTER BIPOLAR TRANSISTOR
• FABRICATION D'UN DISPOSITIF SEMI–CONDUCTEUR COMPRENANT UN TRANSISTOR BIPOLAIRE A PLUSIEURS EMETTEURS

(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 DER MEER, Hendrik, Hubertus**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **MURPHY, William, Mark**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **PETERS, W., C., M.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **POSTMA, Fokke**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **DUIJVESTIJN, Adrianus, J.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

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

---

(11) **WO 99/25004** (13) A1

(21) PCT/US98/19436

(22) **16 Sep/sep 1998 (16.09.1998)**

(25) en (26) en

(31) 08/966,939 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/00, 21/321, 21/288**

(54) • INTEGRATED MANUFACTURING TOOL COMPRISING ELECTROPLATING, CHEMICAL–MECHANICAL POLISHING, CLEAN AND DRY STATIONS, AND METHOD THEREFOR
• OUTIL DE FABRICATION INTEGRE COMPORTANT DES POSTES D'ELECTRODEPOSITION, DE POLISSAGE CHIMIQUE–MECANIQUE, DE NETTOYAGE ET DE SECHAGE, ET PROCEDE ASSOCIE

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **SASSON, Somekh**; 25625 Moody Road, Los Altos, CA 94022 (US). **GHOSH, Debrabrata**; Apartment F101, 3907 Seven Trees Boulevard, San Jose, CA 95111 (US). **ADAMS, Bret, W.**; 946 Mesa Oak Court, Sunnyvale, CA 94086 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25005** (13) A1

(21) PCT/US98/21581

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/965,369 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/00**

(54) • METHOD AND APPARATUS FOR REDUCING THERMAL GRADIENTS WITHIN A CERAMIC WAFER SUPPORT PEDESTAL
• PROCEDE ET DISPOSITIF PERMETTANT DE REDUIRE LES GRADIENTS DE TEMPERATURE DANS UN SOCLE DE SUPPORT DE TRANCHE EN CERAMIQUE

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **BURKHART, Vincent, E.**; 435 Richfield Drive #4, 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; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25006** (13) A2

(21) PCT/US98/23663

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,690 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/00**

(54) • ELECTROSTATIC CHUCK HAVING IMPROVED GAS CONDUITS
• MANDRIN ELECTROSTATIQUE AVEC CONDUITS DE GAZ AMELIORES

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **WELDON, Edwin, C.**; 23613 Skyview Terrace, Los Gatos, CA 95030 (US). **COLLINS, Kenneth, S.**; 165 Knightshaven Way, San Jose, CA 95111 (US). **DONDE, Arik**; 733 Stendhall Lane, Cupertino, CA 95014 (US). **LUE, Brian**; 1027 Mountain View Avenue, Mountain View, CA 94040 (US). **MAYDAN, Dan**; 12000 Murietta Lane, Los Altos Hills, CA 94022 (US). **STEGER, Robert, J.**; 22293 Bahl Street, Cupertino, CA 95014 (US). **DYER, Timothy**; 167 West Jeanine Drive, Tempe, AZ 85284 (US). **KUMAR, Ananda, H.**; 1296 Knollview Drive, Milpitas, CA 95035 (US). **VEYTSER, Alexander, M.**; 1429 Lloyd Way, Mountain View, CA 94040 (US). **NARENDRNATH, Kadthala, R.**; 3686 Slopeview Drive, San Jose, CA 95148 (US). **KATS, Semyon, L.**; 810 Gonzalez Drive, San Francisco, CA 94132 (US). **KHOLODENKO, Arnold**; 1747 Eucalyptus Drive, San Francisco, CA 94132 (US). **SHAMOUILIAN, Shamouil**; 6536 Little Falls Drive, San Jose, CA 95120 (US). **GRIMARD, Dennis, S.**; 511 Liberty Pointe, Ann Arbor, MI 48103 (US).

(74) **JANAH, Ashok, K.**; Janah & Associates, Suite 106, 650 Delancey Street, San Francisco, CA 94107–2001 (US).

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

---

(11) **WO 99/25007** (13) A1

(21) PCT/US98/23834

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,121 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/00**

(54) • MULTI–ELECTRODE ELECTROSTATIC CHUCK HAVING FUSES IN HOLLOW CAVITIES
• MANDRIN ELECTROSTATIQUE A PLUSIEURS ELECTRODES, DOTE DE FUSIBLES DANS DES CAVITES CREUSES

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **WANG, You**; 10330 N. Foothill Road #A25, Cupertino, CA 95014 (US). **CLINTON, Jon, T.**; 3200 Payne Avenue #406, San Jose, CA 95117 (US). **BEDI, Surinder, S.**; 5438 Dekker Terrace, Fremont, CA 94555 (US). **SHAMOUILIAN, Shamouil**; 6536 Little Falls Drive, San Jose, CA 95120 (US). **KUMAR, Ananda, H.**; 1296 Knollview Drive, Milpitas, CA 95035 (US). **CONTRERAS, Mark, S.**; 525 Hillbright Place, San Jose, CA 95123 (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.

Published / Publiée : *(c)*

---

(11) **WO 99/25008** (13) A1

(21) PCT/JP98/04999

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/322482 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/027, G03F 7/20**

(54) • PROJECTION EXPOSURE DEVICE, PROJECTION EXPOSURE METHOD, AND METHOD OF MANUFACTURING PROJECTION EXPOSURE DEVICE
• DISPOSITIF D'EXPOSITION PAR PROJECTION, PROCEDE D'EXPOSITION PAR PROJECTION, ET PROCEDE DE FABRICATION D'UN DISPOSITIF D'EXPOSITION PAR PROJECTION

(71) **NIKON CORPORATION** [JP/JP]; 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SUZUKI, Kenji** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP). **MORI, Takashi** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).

(74) **INOUE, Yoshio** et al. / etc.; Garoh Building, 3rd floor, 1–4, Nihonbashi 3–chome, Chuo–ku, Tokyo 103–0027 (JP).

(81) JP KR US; EP (DE NL).

---

(11) **WO 99/25009** (13) A1

(21) PCT/JP98/05020

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/306952 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/027, G03F 7/20**

(54) • EXPOSURE APPARATUS
• DISPOSITIF D'INSOLATION

(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, Naomasa** [JP/JP]; Nikon Corporation, Intellectual Property Headquarters, Fuji Building, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–8331 (JP).

(74) **OMORI, Satoshi**; Omori Patent Office, 2075–2–501, Noborito, Tama–ku, Kawasaki–shi, Kanagawa 214–0014 (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 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).

---

(11) **WO 99/25010** (13) A1

(21) PCT/JP98/05073

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/310439 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(31) 9/326363 (32) **27 Nov/nov 1997 (27.11.1997)** (33) JP

(31) 9/356680 (32) **25 Dec/déc 1997 (25.12.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/027, G03F 7/20**

(54) • EXPOSURE APPARATUS, APPARATUS FOR MANUFACTURING DEVICES, AND METHOD OF MANUFACTURING EXPOSURE APPARATUSES
• APPAREIL D'EXPOSITION, APPAREIL DE FABRICATION DE COMPOSANTS, ET PROCEDE DE FABRICATION D'APPAREILS D'EXPOSITION

(71) **NIKON CORPORATION** [JP/JP]; 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) **MAGOME, Nobutaka** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–8331 (JP). **NISHIKAWA, Jin** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–8331 (JP).

(74) **SHIGA, Masatake** et al. / etc.; OR Building, 23–3, Takadanobaba 3–chome, Shinjuku–ku, Tokyo 169–8925 (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 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/25011** (13) A1

(21) PCT/JP98/05075

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/310438 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/027**

(54) • PROJECTION EXPOSURE APPARATUS
• APPAREIL D'EXPOSITION PAR PROJECTION

(71) **NIKON CORPORATION** [JP/JP]; 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **TAKAHASHI, Masato** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP). **MORI, Futoshi** [JP/JP]; Nikon Corporation, 2–3, Marunouchi 3–chome, Chiyoda–ku, Tokyo 100–0005 (JP).

(74) **NAGAI, Fuyuki**; Shoyu–kaikan, 3–1, Kasumigaseki 3–chome, Chiyoda–ku, Tokyo 100–0013 (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 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).

---

(11) **WO 99/25012** (13) A1

(21) PCT/US98/23739

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,658 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/285, C23C 16/14, H01L 21/3205**

(54) • ELIMINATION OF THE TITANIUM NITRIDE FILM DEPOSITION IN TUNGSTEN PLUG TECHNOLOGY USING PE–CVD–Ti AND IN–SITU PLASMA NITRIDATION
• ELIMINATION D'UN DEPOT DE FILM DE NITRURE DE TITANE SELON UNE TECHNOLOGIE UTILISANT UN BOUCHON DE TUNGSTENE PAR DEPOT CHIMIQUE EN PHASE VAPEUR AMELIORE PAR PLASMA DE TITANE ET PAR NITRURATION AU PLASMA IN SITU

(71) **TOKYO ELECTRON LIMITED** [JP/JP]; TBS Broadcast Center, 3–6 Akasaka 5–chome, Minato–ku, Tokyo 107 (JP). **TOKYO ELECTRON ARIZONA, INC.** [US/US]; 2120 W. Guadalupe Road, Gilbert, AZ 85233–8205 (US).

(72) **AMEEN, Michael, S.**; 3128 North 52nd Street, Phoenix, AZ 85018 (US). **HILLMAN, Joseph, T.**; 8025 E. McLellan Boulevard, Scottsdale, AZ 85250 (US).

(74) **LYMAN, Beverly, A.** et al. / etc.; Wood, Herron & Evans, L.L.P., 2700 Carew Tower, Cincinnati, OH 45202 (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).

---

(11) **WO 99/25013** (13) A1

(21) PCT/US98/23910

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,048 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/285**

(54) • LOW TEMPERATURE METAL FILL REGIONS FOR OHMIC CONTACTS AND VIA OPENINGS
• ZONES A CHARGE METALLIQUE A BASSE TEMPERATURE POUR CONTACTS OHMIQUES ET TROUS D'INTERCONNEXION

(71) **MICROCHIP TECHNOLOGY INCORPORATED** [US/US]; 2355 West Chandler Boulevard, Chandler, AZ 85224–6199 (US).

(72) **LUNDY, Walter, E.**; 1286 W. Windhaven Avenue, Gilbert, AZ 85223 (US). **EICHMAN, Eric, C.**; 241 Ashhurst Drive, Phoenix, AZ 85044 (US).

(74) **BEARD, R., William, Jr.**; Frohwitter, Suite 500, Three Riverway, Houston, TX 77056 (US).

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

---

(11) **WO 99/25014** (13) A1

(21) PCT/JP97/04085

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) ja (26) ja

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/3205, 21/8242, 27/10, 27/108, 27/115, 29/94, H01B 3/12, H01G 4/10, 4/12, 4/20, C03C 10/02, C04B 35/47, 35/475, B32B 18/00**

(54) • DIELECTRIC ELEMENT AND MANUFACTURING METHOD THEREFOR
• ELEMENT DIELECTRIQUE ET MODE DE FABRICATION

(71) **HITACHI, LTD.** [JP/JP]; 6, Kanda Surugadai 4–chome, Chiyoda–ku, Tokyo 101 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NABATAME, Toshihide** [JP/JP]; Room 204, Royal Park, 7–6, Ohmikacho 6–chome, Hitachi–shi, Ibaraki 319–12 (JP). **SUZUKI, Takaaki** [JP/JP]; 7–2–301, Aobacho, Hitachinaka–shi, Ibaraki 312 (JP). **HIGASHIYAMA, Kazutoshi** [JP/JP]; 1993–42, Ohaza Fukuda, Naka–machi, Naka–gun, Ibaraki 311–01 (JP). **OISHI, Tomoji** [JP/JP]; 28–6, Kamiaicho 3–chome, Hitachi–shi, Ibaraki 319–14 (JP).

(74) **OGAWA, Katsuo**; Hitachi, Ltd., 5–1, Marunouchi 1–chome, Chiyoda–ku, Tokyo 100 (JP).

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

---

(11) **WO 99/25015** (13) A1

(21) PCT/US98/21865

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/969,122 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/3213**

(54) • SELF–CLEANING ETCH PROCESS
• PROCEDE DE GRAVURE ET DE NETTOYAGE SIMULTANES

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **QIAN, Xue–Yu**; 230 Rose Drive, Milpitas, CA 95035 (US). **SUN, Zhi–Wen**; 126 Destry Court, San Jose, CA 95136 (US). **JIANG, Weinan**; 3089 Estruscan Drive, San Jose, CA 95135 (US). **CHEN, Arthur, Y.**; 744 Bodega Court, Fremont, CA 94539 (US). **YIN, Gerald, Zheyao**; 10132 Bilich Place, Cupertino, CA 95014 (US). **YANG, Ming–Hsun**; 3F, No. 126, Ln 120, Hulin Street, Taipei (CN). **KUO, Ming–Hsun**; 54 Jeng–I Road, Keelung (CN). **MUI, David, S., L.**; 1848 Sheri Ann Circle, San Jose, CA 95131 (US). **CHINN, Jeffrey**; 605 St. Croix Lane, Foster City, CA 94404 (US). **PAN, Shaoher, X.**; 1133 Kelez Drive, San Jose, CA 95120 (US). **WANG, Xikun**; 1281 Ayala Drive #2, Sunnyvale, CA 94086 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 17th 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).

---

(11) **WO 99/25016** (13) A1

(21) PCT/GB98/03333

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 9723468.6 (32) **7 Nov/nov 1997 (07.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/336, 29/78**

(54) • METHOD OF SEMICONDUCTOR DEVICE FABRICATION
• PROCEDE DE FABRICATION D'UN DISPOSITIF A SEMICONDUCTEUR

(71) **ZETEX PLC** [GB/GB]; Fields New Road, Chadderton, Oldham OL9 8NP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JERRED, Paul, A.** [GB/GB]; 21 Whitechapel Street, Didsbury, Manchester M20 0UB (GB).

(74) **ALLMAN, Peter, John**; 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25017** (13) A1

(21) PCT/US98/20948

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 08/968,217 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/68**

(54) • APPARATUS FOR RETAINING A WORKPIECE
• APPAREIL SERVANT A RETENIR UNE PIECE A TRAITER

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **MAROHL, Dan, A.**; 193 Herlong Avenue, San Jose, CA 95123 (US). **BRODINE, Jeffrey, A.**; 21441 Madrone Drive, Los Gatos, CA 95030 (US). **SCHIAVO, Tony, P., Jr.**; 1750 Kelly Street, San Mateo, CA 94403 (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).

---

(11) **WO 99/25018** (13) A1

(21) PCT/US98/10178

(22) **12 May/mai 1998 (12.05.1998)**

(25) en (26) en

(31) 08/965,870 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/762, 21/316**

(54) • SEMICONDUCTOR DEVICE HAVING AN IMPROVED ISOLATION REGION AND PROCESS OF FABRICATION THEREOF
• DISPOSITIF DE SEMI–CONDUCTEUR COMPORTANT UNE REGION D'ISOLATION AMELIOREE ET PROCEDE DE FABRICATION DE CELUI–CI

(71) **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Mail Stop 68, Sunnyvale, CA 94088–3453 (US).

(72) **MAY, Charles, E.**; 10503 Ames Lane, Austin, TX 78739 (US). **DAWSON, Robert**; 3504 Beartree Circle, Austin, TX 78730 (US).

(74) **DRAKE, Paul, S.**; 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).

---

(11) **WO 99/25019** (13) A1

(21) PCT/US98/23929

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,088 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/77, 21/78**

(54) • METHOD FOR THINNING SEMICONDUCTOR WAFERS WITH CIRCUITS AND WAFERS MADE BY THE SAME
• PROCEDE D'AMINCISSEMENT DE PLAQUETTES EN SEMI–CONDUCTEUR A CIRCUITS ET PLAQUETTES AINSI PRODUITES

(71) **IRVINE SENSORS CORPORATION** [US/US]; Building 3, Suite 104, 3001 Redhill Avenue, Costa Mesa, CA 92626 (US).

(72) **ALBERT, Douglas, M.**; 17743 Plum Tree Lane, Yorba Linda, CA 92886 (US). **OZGUZ, Volkan, H.**; 8 Palatine, Aliso Viejo, CA 92656 (US).

(74) **ANDRAS, Joseph, C.**; Suite 650, 650 Town Center Drive, Costa Mesa, CA 92626 (US).

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

---

(11) **WO 99/25020** (13) A1

(21) PCT/EP98/07231

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) de (26) de

(31) 197 50 167.2 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/78, 21/82**

(54) • METHOD FOR PRODUCING INTEGRATED CIRCUITS
• PROCEDE DE PRODUCTION DE CIRCUITS INTEGRES

(71) **FRAUNHOFER–GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Leonrodstrasse 54, D–80636 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HABERGER, Karl** [DE/DE]; A.–Butenandt–Strasse 2, D–82152 Planegg (DE). **PLETTNER, Andreas** [DE/DE]; Lennestrasse 5, D–82340 Feldafing (DE).

(74) **GRÜNECKER, KINKELDEY, STOCKMAIR & SCHWANHÄUSSER**; Maximilianstrasse 58, D–80538 München (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)*

---

(11) **WO 99/25021** (13) A1

(21) PCT/US98/18522

(22) **4 Sep/sep 1998 (04.09.1998)**

(25) en (26) en

(31) 08/968,121 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 21/8238, 21/28, 21/265**

(54) • PREVENTING BORON PENETRATION THROUGH THIN GATE OXIDE OF P–CHANNEL DEVICES IN ADVANCED CMOS TECHNOLOGY
• PREVENTION DE PENETRATION DE BORE PAR L'OXYDE DE GRILLE FIN DE DISPOSITIFS A CANAL P DANS DES TECHNOLOGIES CMOS DE POINTE

(71) **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Mail Stop 68, P.O. Box 3453, Sunnyvale, CA 94088–3453 (US).

(72) **NAYAK, Deepak, K.**; 3707 Poinciana Drive #93, Santa Clara, CA 95051 (US). **HAO, Ming–Yin**; 964 Mangrove Avenue #23, Sunnyvale, CA 94086 (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).

---

(11) **WO 99/25022** (13) A1

(21) PCT/US98/20621

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

(25) en (26) en

(31) 60/070,898 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 23/367, 23/373**

(54) • NON–ELECTRICALLY CONDUCTIVE THERMAL DISSIPATOR FOR ELECTRONIC COMPONENTS
• MECANISME DE DISSIPATION DE LA CHALEUR NON ELECTROCONDUCTEUR POUR COMPOSANTS ELECTRONIQUES

(71) **PARKER–HANNIFIN CORPORATION** [US/US]; 6035 Parkland Boulevard, Cleveland, OH 44124–4141 (US).

(72) **DE SORGO, Miksa**; 3 Shamrock Road, Windham, NH 33087 (US).

(74) **MOLNAR, John, A., Jr.**; Parker–Hannifin Corporation, 6035 Parkland Boulevard, Cleveland, OH 44124–4141 (US).

(81) AU BR CA CN JP KP MX NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25023** (13) A1

(21) PCT/US98/22985

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 08/966,946 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 27/118, 27/02**

(54) • ASIC ROUTING ARCHITECTURE
• ARCHITECTURE D'ACHEMINEMENT D'UN CIRCUIT INTEGRE DU TYPE "ASIC"

(71) **LIGHTSPEED SEMICONDUCTOR CORPORATION** [US/US]; 1151 Sonora Court, Sunnyvale, CA 94086 (US).

(72) **HOW, Dana**; 180 Hamilton #701, Palo Alto, CA 94301 (US). **SRINIVASAN, Adi**; 35820 Killorglin Common, Fremont, CA 94536 (US). **EL GAMAL, Abbas**; 1485 Hamilton, Palo Alto, CA 94301 (US).

(74) **FLIESLER, Martin, C.** et al. / etc.; Fliesler Dubb Meyer and Lovejoy LLP, Suite 400, Four Embarcadero Center, San Francisco, CA 94111–4156 (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)*

---

(11) **WO 99/25024** (13) A1

(21) PCT/US98/23875

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 60/065,082 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 29/06**

(54) • QUANTUM RIDGES AND TIPS
• CRETES ET POINTES QUANTIQUES

(71, 72) **KENDALL, Don, L.** [US/US]; 512 Tassy Court, S.E., Albuquerque, NM 87123 (US).

(74) **JAGTIANI, Ajay, A.**; Jagtiani & Associates, Democracy Square Business Center, 10379–B Democracy Lane, Fairfax, VA 22030 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25025** (13) A1

(21) PCT/DE98/03183

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 49 378.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 29/78, 29/06, 21/336**

(54) • MOS TRANSISTOR AND PROCESS FOR PRODUCING THE SAME
• TRANSISTOR MOS ET SON PROCEDE DE FABRICATION

(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) **PINDL, Stephan** [DE/DE]; Südenstrasse 1, D–85238 Petershausen (DE). **HAMMERL, Erwin** [DE/DE]; Mozartstrasse 9, D–84539 Zangberg (DE). **SCHÄFER, Herbert** [DE/DE]; Lerchenstrasse 33, D–85635 Höhenkirchen–Siegertsbrunn (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25026** (13) A1

(21) PCT/DE98/02507

(22) **26 Aug/août 1998 (26.08.1998)**

(25) de (26) de

(31) 197 50 148.6 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 29/94, 21/334, 21/3063**

(54) • CIRCUITRY WITH AT LEAST ONE CAPACITOR AND PROCESS FOR PRODUCING THE SAME
• CIRCUITERIE COMPRENANT AU MOINS UN CONDENSATEUR, ET PRODUCTION

(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) **LEHMANN, Volker** [DE/DE]; Geyerspergerstrasse 53, D–80689 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).

---

(11) **WO 99/25027** (13) A1

(21) PCT/US98/23784

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/968,546 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 31/0232, 31/0203, 31/00, 31/06**

(54) • SOLID STATE PHOTODETECTOR WITH LIGHT–RESPONSIVE REAR FACE
• PHOTODETECTEUR TRANSISTORISE PRESENTANT UNE FACE ARRIERE SENSIBLE A LA LUMIERE

(71) **ADVANCED PHOTONIX, INC.** [US/US]; 1240 Avenida Acaso, Camarillo, CA 93012 (US).

(72) **FORREST, Roger, W.**; 2877 Camino Calandria, Thousand Oaks, CA 91360 (US). **MELKONIAN, Harold**; 10454 Hugo Street, Ventura, CA 93004 (US).

(74) **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson and Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) CA JP NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

---

(11) **WO 99/25028** (13) A1

(21) PCT/EP98/07328

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 97203499.5 (32) **11 Nov/nov 1997 (11.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 31/0384, 51/20, 51/30, 33/00**

(54) • POLYMER–NANOCRYSTAL PHOTO DEVICE AND METHOD FOR MAKING THE SAME
• DISPOSITIF PHOTOSENSIBLE A NANOCRISTAUX DE POLYMERE ET PROCEDE DE FABRICATION

(71) **UNIVERSITEIT VAN UTRECHT** [NL/NL]; Heidelberglaan 8, NL–3584 CS Utrecht (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHROPP, Rudolf, Emmanuel, Isidore** [NL/NL]; Rosariumlaan 15, NL–3972 GE Driebergen (NL). **SALAFSKY, Joshua, Samuel** [NL/NL]; Nieuwe Gracht 36M, NL–3542 LS Utrecht (NL).

(74) **LAND, Addick, Adrianus, Gosling**; Arnold & Siedsma, Sweelinckplein 1, NL–2517 GK 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25029** (13) A1

(21) PCT/JP98/04875

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) ja (26) ja

(31) 9/307093 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(31) 10/56720 (32) **9 Mar/mar 1998 (09.03.1998)** (33) JP

(31) 10/112286 (32) **22 Apr/avr 1998 (22.04.1998)** (33) JP

(31) 10/125902 (32) **8 May/mai 1998 (08.05.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 31/04**

(54) • METHOD OF PRODUCING SILICON THIN–FILM PHOTOELECTRIC TRANSDUCER AND PLASMA CVD APPARATUS USED FOR THE METHOD
• PROCEDE DE PRODUCTION D'UN TRANSDUCTEUR PHOTOELECTRIQUE A FILM MINCE DE SILICIUM ET DISPOSITIF DE DCPV ACTIVE PAR PLASMA

(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) **OKAMOTO, Yoshifumi** [JP/JP]; Sanseisou, 6–31–17, Shioya, Tarumi–ku, Kobe–shi, Hyogo 655–0872 (JP). **YOSHIMI, Masashi** [JP/JP]; 1–1–324–403, Kitaochiai, Suma–ku, Kobe–shi, Hyogo 654–0151 (JP). **YAMAMOTO, Kenji** [JP/JP]; 2–W1406, Mikata–dai 1–chome, Nishi–ku, Kobe–shi, Hyogo 651–2277 (JP).

(74) **FUKAMI, Hisao** et al. / etc.; Sumitomo Bank Minamimori–machi Building, 1–29, Minamimori–machi 2–chome, Kita–ku, Osaka–shi, Osaka 530–0054 (JP).

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

---

(11) **WO 99/25030** (13) A1

(21) PCT/US98/23277

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 09/306215 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 33/00, 21/20, 29/201**

(54) • SEMICONDUCTOR SUBSTRATE AND METHOD FOR MAKING THE SAME
• SUBSTRAT DE SEMICONDUCTEUR ET PROCEDE DE FABRICATION

(71) **HEWLETT–PACKARD COMPANY** [US/US]; 3000 Hanover Street, M/S 20BN, P.O. Box 10301, Palo Alto, CA 94303–0890 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AMANO, Hiroshi** [JP/JP]; 2–104, Yamanote Meito–ku Nagoya, Aichi 465–0011 (JP). **TAKEUCHI, Tetsuya** [JP/JP]; 1–19–406, Shukugawara Tama–ku, Kawasaki, Kanagawa 214–0021 (JP). **AKASAKI, Isamu** [JP/JP]; 1–1–38–805, Joshin Nishi–ku Nagoya, Aichi 451–0061 (JP).

(74) **HARDCASTLE, Ian**; Hewlett–Packard Company, M/S 20BN, P.O. Box 10301, Palo Alto, CA 94303–0890 (US).

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

---

(11) **WO 99/25031** (13) A1

(21) PCT/US98/23538

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,669 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 33/00**

(54) • LIGHT EMITTING ELEMENT HAVING AN OPTICAL ELEMENT MOLDED IN A SURFACE THEREOF
• ELEMENT LUMINESCENT A LA SURFACE DUQUEL EST MOULE UN ELEMENT OPTIQUE

(71) **DONNELLY CORPORATION** [US/US]; 414 East 40th Street, Holland, MI 49423–5368 (US).

(72) **NISPER, Jon**; 10127 N. Bighorn Butte Drive, Tucson, AZ 85737–9299 (US). **VANCHO, Vince**; 6290 N. Calle Campeche, Tucson, AZ 85715 (US).

(74) **BAUER, Richard, P.**; Fitzpatrick, Cella, Harper & Scinto, 30 Rockefeller Plaza, New York, NY 10112–3801 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/25032** (13) A1

(21) PCT/DE98/03381

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 50 758.1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 39/16, H02H 9/02**

(54) • CURRENT LIMITING DEVICE
• DISPOSITIF LIMITEUR DE COURANT

(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) **FISCHER, Stefan** [DE/DE]; Fregestrasse 38a, D–12161 Berlin (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)*

---

(11) **WO 99/25033** (13) A1

(21) PCT/US98/23955

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,369 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 41/09, 41/053**

(54) • PIEZO–ELECTRIC ACTUATOR OPERABLE IN AN ELECTROLYTIC FLUID
• ACTIONNEUR PIEZO–ELECTRIQUE UTILISABLE DANS UN FLUIDE ELECTROLYTIQUE

(71) **DEKA PRODUCTS LIMITED PARTNERSHIP** [US/US]; 340 Commercial Street, Manchester, NH 03101 (US).

(72) **ORMEROD, William**; 136B Hackett Hill Road, Hooksett, NH 03106 (US). **TIPTON, Robert, R.**; 175 Bog Road, Goffstown, NH 03045 (US).

(74) **SUNSTEIN, Bruce, D.** et al. / etc.; Bromberg & Sunstein LLP, 125 Summer Street, Boston, MA 02110–01618 (US).

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

---

(11) **WO 99/25034** (13) A1

(21) PCT/DE98/02142

(22) **29 Jul/juil 1998 (29.07.1998)**

(25) de (26) de

(31) 197 48 982.6 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01L 43/04, H02K 29/08**

(54) • COMPONENT HOLDER FOR A HALL SENSOR AND PROCESS FOR PRODUCING A COMPONENT HOLDER
• PORTE–COMPOSANT POUR CAPTEUR HALL, ET PROCEDE DE PRODUCTION

(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) **RIEHL, Günther** [DE/DE]; Längenbergweg 37, D–77830 Bühlertal (DE). **HAGER, Martin** [DE/DE]; Holzmattweg 9a, D–77830 Bühlertal (DE).

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

---

(11) **WO 99/25035** (13) A1

(21) PCT/JP98/04990

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/306183 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(31) 10/279095 (32) **30 Sep/sep 1998 (30.09.1998)** (33) JP

(31) 10/279094 (32) **30 Sep/sep 1998 (30.09.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01M 2/02**

(54) • METHOD OF MANUFACTURING ENCLOSED BATTERY AND ENCLOSED BATTERY
• PROCEDE DE FABRICATION D'UNE BATTERIE FERMEE ET BATTERIE FERMEE AINSI PRODUITE

(71) **SANYO ELECTRIC CO., LTD.** [JP/JP]; 5–5, Keihanhondori 2–chome, Moriguchi–shi, Osaka 570–0083 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHINOHARA, Wataru** [JP/JP]; 5–5, Keihanhondori 2–chome, Moriguchi–shi, Osaka 570–0083 (JP). **YAMAMOTO, Yasuaki** [JP/JP]; 5–5, Keihanhondori 2–chome, Moriguchi–shi, Osaka 570–0083 (JP). **HOSOKAWA, Hiroshi** [JP/JP]; 5–5, Keihanhondori 2–chome, Moriguchi–shi, Osaka 570–0083 (JP). **YAMAUCHI, Yasuhiro** [JP/JP]; 5–5, Keihanhondori 2–chome, Moriguchi–shi, Osaka 570–0083 (JP).

(74) **NAKAJIMA, Shiro**; 6F, Yodogawa 5–Bankan, 2–1, Toyosaki 3–chome, Kita–ku, Osaka–shi, Osaka 531–0072 (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).

---

(11) **WO 99/25036** (13) A1

(21) PCT/JP98/05016

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/305960 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(31) 10/45514 (32) **26 Feb/fév 1998 (26.02.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01M 2/02, 2/04**

(54) • SQUARE–SHAPE CLOSED BATTERY
• PILE FERMEE CARREE

(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) **HIRATSUKA, Masaru** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **HASHIMOTO, Yoshinori** [JP/JP]; Sony Energytec Inc., 1–1, Aza–Shimosugishita, Takakura, Hiwada–cho, Koriyama–shi, Fukushima–ken 963–0531 (JP). **YAMAHIRA, Takayuki** [JP/JP]; Sony Energytec Inc., 1–1, Aza–Shimosugishita, Takakura, Hiwada–cho, Koriyama–shi, Fukushima–ken 963–0531 (JP).

(74) **KOIKE, Akira** et al. / etc.; No. 11 Mori Building, 6–4, Toranomon 2–chome, Minato–ku, Tokyo 105–0001 (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).

---

(11) **WO 99/25037** (13) A1

(21) PCT/JP98/05051

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/308294 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01M 2/12, 2/08, 10/40**

(54) • EXPLOSION–PROOF NONAQUEOUS ELECTROLYTE SECONDARY CELL AND RUPTURE PRESSURE SETTING METHOD THEREFOR
• ELEMENT D'ACCUMULATEUR ELECTROLYTIQUE NON AQUEUX ET A L'EPREUVE DES EXPLOSIONS ET PROCEDE DE REGLAGE DE LA PRESSION DE RUPTURE DUDIT ELEMENT

(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) **KASHIHARA, Yoshihiro** [JP/JP]; 5–13–1–1606, Nakanocho, Miyakojima–ku, Osaka–shi, Osaka 534–0027 (JP). **MORI, Katsuhiko** [JP/JP]; 46–4–408, Yamadaikehigashimachi, Hirakata–shi, Osaka 573–0165 (JP). **MASUMOTO, Kenjin** [JP/JP]; 2–36–102, Syouraisou, Nishinomiya–shi, Hyougo 662–0822 (JP). **TSURUTA, Kunio** [JP/JP]; 1–316–1–604, Higashinahata, Ikoma–shi, Nara 630–0215 (JP).

(74) **IWAHASHI, Fumio** et al. / etc.; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–8501 (JP).

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

---

(11) **WO 99/25038** (13) A1

(21) PCT/JP98/04443

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) ja (26) ja

(31) 9/309006 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 10/52547 (32) **4 Mar/mar 1998 (04.03.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01M 2/16, 2/18, 10/24**

(54) • SEPARATOR FOR ALKALI SECONDARY CELL, METHOD OF PRODUCING THE SAME, AND ALKALI SECONDARY CELL USING THE SAME
• SEPARATEUR POUR ACCUMULATEUR ALCALIN, PROCEDE DE PRODUCTION ET ACCUMULATEUR ALCALIN DANS LEQUEL LE SEPARATEUR EST UTILISE

(71) **NIPPON GLASS FIBER CO., LTD.** [JP/JP]; 4902, Takachayakomori–cho, Tsu–shi, Mie 514–0817 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OKUI, Yoshiyuki** [JP/JP]; Nippon Glass Fiber Co., Ltd., 4902, Takachayakomori–cho, Tsu–shi, Mie 514–0817 (JP). **NIKI, Hiroyuki** [JP/JP]; Nippon Glass Fiber Co., Ltd., 4902, Takachayakomori–cho, Tsu–shi, Mie 514–0817 (JP). **INO, Jyuichi** [JP/JP]; Nippon Glass Fiber Co., Ltd., 4902, Takachayakomori–cho, Tsu–shi, Mie 514–0817 (JP). **YAMAGISHI, Takashi** [JP/JP]; Nippon Glass Fiber Co., Ltd., 4902, Takachayakomori–cho, Tsu–shi, Mie 514–0817 (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) KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(a)*

---

(11) **WO 99/25039** (13) A1

(21) PCT/JP98/05040

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/323727 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01M 4/62, 4/02, 10/40, C08L 29/04**

(54) • BINDER CONTAINING VINYL ALCOHOL POLYMER, SLURRY, ELECTRODE, AND SECONDARY BATTERY WITH NONAQUEOUS ELECTROLYTE
• LIANT RENFERMANT UN POLYMERE D'ALCOOL VINYLIQUE, BOUE, ELECTRODE, ET ACCUMULATEUR ELECTRIQUE A ELECTROLYTE NON AQUEUX

(71) **NIPPON ZEON CO., LTD.** [JP/JP]; 6–1, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IGARASHI, Ichirou** [JP/JP]; Nippon Zeon Co., Ltd., Research & Development Center, 2–1, Yako 1–chome,, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0863 (JP). **IMAI, Keiko** [JP/JP]; Nippon Zeon Co., Ltd., Research & Development Center, 2–1, Yako 1–chome,, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0863 (JP). **MAEDA, Kouichirou** [JP/JP]; Nippon Zeon Co., Ltd., Research & Development Center, 2–1, Yako 1–chome,, Kawasaki–ku, Kawasaki–shi, Kanagawa 210–0863 (JP).

(74) **UCHIDA, Yukio**; Uchida & Associates, Sunny Port Shiba 1005, 5–10, Shiba 2–chome, Minato–ku, Tokyo 105–0014 (JP).

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

---

(11) **WO 99/25040** (13) A1

(21) PCT/CA98/01037

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/964,691 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01M 4/70, 2/02, B21D 31/00, B21C 37/20**

(54) • METHOD OF TREATING A TUBULAR MEMBER
• PROCEDE DE TRAITEMENT D'UN ELEMENT TUBULAIRE

(63) US 08/964,691 (CIP) 6 Nov/nov 1997 (06.11.1997)

(71) **BONDFACE TECHNOLOGY INC.** [CA/CA]; 305 Knowlton Road, Knowlton (LacBrome), Quebec J0E 1V0 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REYNOLDS, David, L.** [CA/CA]; Knowlton (LacBrome), Quebec J0E 1V0 (CA).

(74) **PARSONS, Richard, A., R.**; Ridout & Maybee, Suite 2400, One Queen Street East, Toronto, Ontario M5C 3B1 (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).

---

(11) **WO 99/25041** (13) A1

(21) PCT/IB98/01773

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/065,123 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/168,813 (32) **8 Oct/oct 1998 (08.10.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01M 10/46**

(54) • CELLULAR TELEPHONE BATTERY RECHARGER DEVICE WITH DIGITAL RECORDING SYSTEM AND SPEAKER PHONE
• DISPOSITIF CHARGEUR DE BATTERIE DE TELEPHONE CELLULAIRE AVEC SYSTEME D'ENREGISTREMENT NUMERIQUE ET FONCTIONNEMENT MAINS LIBRES

(71, 72) **BERTAZZO, Ivan** [BR/BR]; 15th floor, Conselheiro Brotero Street, 1140, CEP–São Paulo, SP (BR). **TEIXEIRA POSSES, João, Carlos** [BR/BR]; 15th floor, Conselheiro Brotero Street, 1140, CEP–São Paulo, SP (BR).

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

---

(11) **WO 99/25042** (13) A1

(21) PCT/SE98/01897

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(31) 9704051–3 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01Q 1/24**

(54) • A PORTABLE ELECTRONIC COMMUNICATION DEVICE WITH MULTI–BAND ANTENNA SYSTEM
• DISPOSITIF DE COMMUNICATION ELECTRONIQUE PORTABLE AVEC SYSTEME D'ANTENNE MULTIBANDE

(71) **TELEFONAKTIEBOLAGET LM ERICSSON** [SE/SE]; S–126 25 Stockholm (SE).

(72) **YING, Zhinong**; S:t Hans Gränd 24B, S–226 42 Lund (SE). **MÅRTENSSON, Dag**; Backagården, Holmby 16:4, S–240 32 Flyinge (SE). **HÅKANSSON, Kenneth**; Börringegatan 1B, S–217 72 Malmö (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 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 : *(c)*

---

(11) **WO 99/25043** (13) A1

(21) PCT/SE98/01898

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(31) 9704052–1 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01Q 1/24**

(54) • A PORTABLE ELECTRONIC COMMUNICATION DEVICE WITH DUAL–BAND ANTENNA SYSTEM
• DISPOSITIF DE COMMUNICATION ELECTRONIQUE PORTABLE AVEC SYSTEME D'ANTENNE A DEUX BANDES

(71) **TELEFONAKTIEBOLAGET LM ERICSSON** [SE/SE]; S–126 25 Stockholm (SE).

(72) **YING, Zhinong**; S:t Hans Gränd 24 B, S–226 42 Lund (SE). **MÅRTENSSON, Dag**; Backagården, Holmby 16:4, S–240 32 Flyinge (SE). **HÅKANSSON, Kenneth**; Börringegatan 1 B, S–217 72 Malmö (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 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 : *(c)*

---

(11) **WO 99/25044** (13) A1

(21) PCT/US98/23776

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,914 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01Q 1/38**

(54) • MICROSTRIP PATCH ANTENNA WITH FRACTAL STRUCTURE
• ANTENNE A PLAQUE A MICROBANDE DOTEE D'UNE STRUCTURE FRACTALE

(71, 72) **COHEN, Nathan** [US/US]; 2 Ledgewood Place, Belmont, MA 02178 (US).

(74) **CHICKERING, Robert, B.** et al. / etc.; Flehr, Hohbach, Test, Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111–4187 (US).

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

---

(11) **WO 99/25045** (13) A1

(21) PCT/DE98/03349

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 197 49 260.6 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(31) 197 50 770.0 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01R 43/048, 43/055**

(54) • CRIMPING TOOL
• OUTIL DE SERTISSAGE

(71, 72) **HANKE, Wolfgang** [DE/DE]; Hans–Thoma–Strasse 7, D–74889 Sinsheim (DE).

(72, 75) **FLEPS, Paul** [DE/DE]; Martin–Luther–Strasse 1, D–74889 Sinsheim (DE). **HANKE, Frank, Joachim** [DE/DE]; Georg–Zink–Strasse 2, D–74889 Sinsheim (DE).

(74) **ULLRICH & NAUMANN**; Luisenstrasse 14, D–69115 Heidelberg (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/25046** (13) A2

(21) PCT/EP98/07031

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 49 328.9 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H01S**

(54) • SOLID–STATE LASER DIODE PUMP WITH AN EXCHANGEABLE PUMPING MODULE
• LASER A SOLIDE POMPE PAR DIODES AVEC MODULE DE POMPAGE REMPLACABLE

(71) **JENOPTIK AKTIENGESELLSCHAFT** [DE/DE]; Carl–Zeiss–Strasse 1, D–07743 Jena (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOLLEMANN, Günter** [DE/DE]; Biberweg 20, D–07749 Jena (DE). **PACHOMIS, Karin** [DE/DE]; Nollendorfer Strasse 27, D–07743 Jena (DE). **KUTSCHKI, Uwe** [DE/DE]; Salvador–Allende–Platz 21, D–07747 Jena (DE).

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

---

(11) **WO 99/25047** (13) A1

(21) PCT/US98/22680

(22) **23 Oct/oct 1998 (23.10.1998)**

(25) en (26) en

(31) 08/968,363 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02H 3/093**

(54) • MATCHING OVERCURRENT CHARACTERISTIC CURVES
• ADAPTATION DE COURBES CARACTERISTIQUES D'UNE SURINTENSITE DE COURANT

(71) **GENERAL ELECTRIC COMPANY** [US/US]; 1 River Road, Schenectady, NY 12345 (US).

(72) **SMITH, James, John**; 3940 Brandeis Avenue, Bethlehem, PA 18017 (US).

(74) **STECKLER, Henry, I.** et al. / etc.; General Electric Company, 3135 Easton Turnpike W3C, Fairfield, CT 06431 (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).

---

(11) **WO 99/25048** (13) A1

(21) PCT/US98/23787

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,134 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02H 3/10**

(54) • WAVEFORM RECONSTRUCTION FROM DISTORTED (SATURATED) CURRENTS
• RECONSTRUCTION DE FORME D'ONDE A PARTIR DE COURANTS AFFECTES DE DISTORSION (A L'ETAT SATURE)

(71) **ABB POWER T & D COMPANY INC.** [US/US]; 1021 Main Campus Drive, Raleigh, NC 27606 (US).

(72) **VU, Khoi**; 515 South Coalport Drive, Apex, NC 27502 (US). **KHAN, Aftab**; 701 Cricketfield Lane, Cary, NC 27511 (US).

(74) **NORRIS, Norman, L.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25049** (13) A1

(21) PCT/SE98/01909

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) sv (26) en

(31) 9703952–3 (32) **28 Oct/oct 1997 (28.10.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02H 7/085**

(54) • LOAD INDICATOR
• INDICATEUR DE CHARGE

(71) **EMOTRON AB** [SE/SE]; P.O. Box 222 25, S–250 24 Helsingborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OLOFSSON, Lars–Olof** [SE/SE]; Klockarevägen 3, S–302 79 Holm (SE). **RANGER, Martin** [SE/SE]; Lägervägen 19 B, S–254 56 Helsingborg (SE). **ZELLMAN, Per** [SE/SE]; Erik Dahlbergsgatan 49, S–254 40 Helsingborg (SE).

(74) **AWAPATENT AB**; P.O. Box 5117, S–200 71 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25050** (13) A1

(21) PCT/DE98/03382

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) 197 50 760.3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02H 9/02, H01L 39/20**

(54) • CURRENT LIMITING DEVICE FOR COMBINATIONAL CIRCUITS
• DISPOSITIF LIMITEUR DE COURANT DESTINE A DES CIRCUITS COMBINATOIRES

(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) **FISCHER, Stefan** [DE/DE]; Fregestrasse 38a, D–12161 Berlin (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25051** (13) A2

(21) PCT/IB98/01790

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723743.2 (32) **12 Nov/nov 1997 (12.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02J**

(54) • BATTERY ECONOMISING IN A COMMUNICATIONS SYSTEM
• PROCEDE POUR ECONOMISER L'ENERGIE DES BATTERIES DANS UN SYSTEME DE COMMUNICATION

(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 Stocholm (SE).
(only for / seulement pour SE)

(72) **BURBRIDGE, Richard, Charles**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **ROBERTS, David, Keith**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **JAMIESON, Philip, Anthony**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **GIBSON, Rodney, William**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **MOODY, Colin, J.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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).

---

(11) **WO 99/25052** (13) A1

(21) PCT/JP97/04072

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) ja (26) ja

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02J 1/10**

(54) • SERVICE LIFE CONTROLLER FOR POWER UNIT
• CONTROLEUR DE LA DUREE DE VIE DE BLOCS D'ALIMENTATION

(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) **TSUJIHARA, Minoru** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100 (JP).

(74) **MIYATA, Kaneo** et al. / etc.; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100 (JP).

(81) DE GB JP US.

---

(11) **WO 99/25053** (13) A1

(21) PCT/FR97/02004

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) fr (26) fr

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02J 7/00**

(54) • METHOD AND SYSTEM FOR CHARGING A BATTERY WITH STORAGE CELL MODULES
• PROCEDE ET SYSTEME DE CHARGE D'UNE BATTERIE DE MODULES ACCUMULATEURS

(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) **BOGEL, Wolfgang** [FR/FR]; 12, rue Marton Duvernet, F–75014 Paris (FR). **BUCHEL, Jean–Pierre** [FR/FR]; 17, rue André Métier, F–91090 Lisses (FR). **HIRON, Christian** [FR/FR]; 52, rue de l'Amiral Mouchez, F–75014 Paris (FR). **TORELLI, Serge** [FR/FR]; 1, rue Charpy, F–94000 Créteil (FR).

(74) **MOINEAU, Guy**; Renault, Service 0267 – TPZ – OJ2 – 1.10, 860, quai de Stalingrad, F–92109 Boulogne–Billancourt (FR).

(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 SL TR TT UA US UZ VN YU; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/25054** (13) A1

(21) PCT/BR98/00089

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) PI 9705432–1 (32) **6 Nov/nov 1997 (06.11.1997)** (33) BR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02K 3/48, 3/40**

(54) • AN ELECTRIC MACHINE, A LAMINATED CORE AND A METHOD OF ASSEMBLING AN ELECTRIC MACHINE
• MACHINE ELECTRIQUE, NOYAU FEUILLETE ET PROCEDE DE MONTAGE D'UNE MACHINE ELECTRIQUE

(71) **SIEMENS LTDA.** [BR/BR]; Avenida Multinga 3800, CEP–05110–901 São Paulo, SP (BR).

(72) **VALIER, Reiner**; Stettiner 40, D–91058 Erlagen (DE). **WEEGE, Hermann**; Alameda Grajaú, 298, CEP–06454–050 Barueri, SP (BR). **VON MUSIL, Rudolf**; Hoehenweg 26, D–46147 Oberhausen (DE).

(74) **DANNEMANN, SIEMSEN, BIGLER & IPANEMA MOREIRA**; Rua Marquês de Olinda, 70, Caixa Postal 2142, Botafogo, CEP–22251–040 Rio de Janeiro, RJ (BR).

(81) CA CN NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/25055** (13) A1

(21) PCT/US98/23234

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,586 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02K 15/02, 1/22, 21/12, A21C 3/04**

(54) • MODULAR PERMANENT–MAGNET ELECTRIC MOTOR
• MOTEUR ELECTRIQUE MODULAIRE A AIMANTS PERMANENTS

(71, 72) **ENO, James, Joseph** [US/US]; 5344 Route 89, Romulus, NY 14541 (US). **GANZON, Antonio, Tinio** [US/US]; 4774 Route 89, Romulus, NY 14541 (US).

(74) **BREZINA, John, C.**; Brezina & Ehrlich, Suite 333, 47 West Polk Street, Chicago, IL 60605–2092 (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).

---

(11) **WO 99/25056** (13) A1

(21) PCT/US98/23945

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,007 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02K 15/09, G05B 19/18**

(54) • MACHINE CONTROL SYSTEMS
• SYSTEMES DE COMMANDE MACHINE

(71) **GLOBE PRODUCTS INC.** [US/US]; 5051 Kitridge Road, Huber Heights, OH 45426 (US).

(72) **BRUNSWICK, Jay, J.**; 1050 St. John Road, Maria Stein, OH 45860 (US). **COOK, Chad, D.**; 7663 Brams Hill Drive, Centerville, OH 45459 (US). **MONNIN, Bradley, T.**; 114 Miller Road, Russia, OH 45363 (US). **HEATON, Mark, T.**; 123 Berkley Road, Springfield, OH 45504 (US).

(74) **DYBVIG, Roger, S.** et al. / etc.; Dybvig & Dybvig, 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).

---

(11) **WO 99/25057** (13) A1

(21) PCT/RU97/00428

(22) **30 Dec/déc 1997 (30.12.1997)**

(25) ru (26) ru

(31) 97118400 (32) **6 Nov/nov 1997 (06.11.1997)** (33) RU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02K 29/06, B60K 7/00, B60L 11/04, A01B 71/00, A61G 5/04, B66F 3/44**

(54) • ELECTRIC MOTOR FOR A MOTOR–WHEEL
• MOTEUR ELECTRIQUE POUR ROUE A MOTEUR

(71, 72) **BRODYANSKY, Yakov Grigorievich** [RU/RU]; pr. Dzerzhinskogo, 5–34, Yaroslavl, 150033 (RU).

(72, 75) **PERESVETOV, Nikolai Nikolaevich** [RU/RU]; ul. Svobody, 27–1–31, Yaroslavl, 150000 (RU). **CHERNUKHIN, Andrei Viktorovich** [RU/RU]; Volzhskaya nab., 47/2–7, Yaroslavl, 150028 (RU).

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

---

(11) **WO 99/25058** (13) A1

(21) PCT/AU98/00856

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) PP 0251 (32) **6 Nov/nov 1997 (06.11.1997)** (33) AU

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02K 53/00, H02N 11/00, F03B 17/04**

(54) • ELECTRIC POWER GENERATING WITH THE HELP OF "GRAVITY" GRAWA–POWER
• PRODUCTION D'ENERGIE ELECTRIQUE PAR GRAVITE ET FLOTTABILITE

(71, 72) **HUPF, Martin, Thomas** [AU/AU]; 1 Kimberley Avenue, Lane Cove, NSW 2066 (AU).

(74) **HUPF, Martin, Thomas**; 1 Kimberley Avenue, Lane Cove, NSW 2066 (AU).

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

---

(11) **WO 99/25059** (13) A1

(21) PCT/CA98/01048

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 2,220,747 (32) **10 Nov/nov 1997 (10.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02M 3/335**

(54) • DC–DC CONVERTERS
• VARIATEURS CC–CC

(71, 72) **JAIN, Praveen, Kumar** [CA/CA]; 121 Prince Rupert Drive, Pointe–Claire, Quebec H9R 1M1 (CA). **ORR, Raymond, Kenneth** [CA/CA]; 21 Reaney Court, Kanata, Ontario K2K 1W7 (CA). **LIU, Yan–Fei** [CA/CA]; 58 Moresby Drive, Kanata, Ontario K2M 2I3 (CA). **XI, Youhao** [CA/CA]; #4–2077 de Maisonneuve Boulevard West, Montreal, Quebec H3H 1K9 (CA).

(74) **MACRAE & CO.**; P.O. Box 806, Station B, Ottawa, Ontario K1P 5T4 (CA).

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

---

(11) **WO 99/25060** (13) A1

(21) PCT/US98/23511

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,489 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02M 3/335**

(54) • PHASE–SHIFT POWER SUPPLY
• ALIMENTATION ELECTRIQUE A DEPLACEMENT DE PHASE

(71) **SIERRA APPLIED SCIENCES, INC.** [US/US]; 5441 Western Avenue, Boulder, CO 80301 (US).

(72) **COLEMAN, Charles**; 3243 Fernwood Lane, Fort Collins, CO 80525 (US).

(74) **DAHL, Bruce, E.** et al. / etc.; Klaas, Law, O'Meara & Malkin, P.C., Suite 2225, 1999 Broadway, Denver, CO 80202 (US).

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

---

(11) **WO 99/25061** (13) A1

(21) PCT/AT98/00277

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) de (26) de

(31) A 1908/97 (32) **11 Nov/nov 1997 (11.11.1997)** (33) AT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02M 5/10**

(54) • CIRCUIT FOR TRANSFORMING, SWITCHING, ADJUSTING OR CONTROLLING ELECTRIC POWER

- CIRCUIT DE TRANSFORMATION, DE COMMUTATION, DE REGLAGE OU DE COMMANDE D'UNE PUISSANCE ELECTRIQUE

(71, 72) **CROCE, Wolfgang** [AT/AT]; Mantscha 160, A–8052 Graz (AT). **DANHOFER, Günther** [AT/AT]; Kalvariengürtel 48a, A–8020 Graz (AT).

(74) **KÖHLER–PAVLIK, Johann**; Margaretenplatz 5, A–1050 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25062** (13) A1

(21) PCT/US98/23600

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/966,400 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02M 7/217, 3/337, G05F 1/20**

(54) • AUTO–RANGING POWER SUPPLY
- ALIMENTATION ELECTRIQUE A REGLAGE AUTOMATIQUE DE PUISSANCE

(71) **SIERRA APPLIED SCIENCES, INC.** [US/US]; 5441 Western Avenue, Boulder, CO 80301 (US).

(72) **COLEMAN, Charles**; 3243 Fernwood Lane, Fort Collins, CO 80525 (US).

(74) **DAHL, Bruce, E.** et al. / etc.; Klaas, Law, O'Meara & Malkin, P.C., Suite 2225, 1999 Broadway, Denver, CO 80202 (US).

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

---

(11) **WO 99/25063** (13) A1

(21) PCT/US98/23444

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,867 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H02N 13/00**

(54) • ELECTROSTATIC CHUCK
- MANDRIN ELECTROSTATIQUE

(71, 72) **SHERMAN, Arthur** [US/US]; Suite C–307, 600 Sharon Park Drive, Menlo Park, CA 94025 (US).

(74) **GREEN, Clarence, A.**; Perman & Green, LLP, 425 Post Road, Fairfield, CT 06430 (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).

---

(11) **WO 99/25064** (13) A1

(21) PCT/US98/23365

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 08/965,843 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H03G 3/30, H04B 1/40, 17/00**

(54) • DUALBAND POWER AMPLIFIER CONTROL USING A SINGLE POWER AMPLIFIER CONTROLLER
- COMMANDE D'AMPLIFICATEUR DE PUISSANCE BI–BANDE PAR UTILISATION D'UN UNIQUE CONTROLEUR D'AMPLIFICATEUR DE PUISSANCE

(71) **ROCKWELL SEMICONDUCTOR SYSTEMS, INC.** [US/US]; 4311 Jamboree Road, Newport Beach, CA 92660–3095 (US).

(72) **JENSEN, Niels, J.**; 4 Killini, Laguna Niguel, CA 92677 (US).

(74) **GESS, Albin, H.** et al. / etc.; Price, Gess & Ubell, Suite 250, 2100 S.E. Main Street, Irvine, CA 92614–6238 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/25065** (13) A1

(21) PCT/US98/23938

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/967,954 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H03K 17/16**

(54) • FRONT END INTERFACE CIRCUIT AND METHOD OF TUNING THE SAME
- CIRCUIT D'INTERFACE D'EXTREMITE DE CARTE ET REGLAGES D'IMPEDANCE

(71) **ALCATEL U.S.A. SOURCING, L.P.** [US/US]; 1000 Coit Road, Plano, TX 75075–5813 (US).

(72) **POLCZYNSKI, Christopher**; 316 Acadia Drive, Petaluma, CA 94954 (US).

(74) **WOLFELD, Warren, S.** et al. / etc.; Fliesler, Dubb, Meyer and Lovejoy, LLP, Suite 400, Four Embarcadero Center, San Francisco, CA 94111–4156 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25066** (13) A1

(21) PCT/US98/23967

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,606 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H03L 7/087**

(54) • PHASE LOCK LOOP FOR SYNCHRONOUS REFERENCE CLOCKS
- BOUCLE A PHASE ASSERVIE POUR HORLOGES SYNCHRONES DE REFERENCE

(71) **ADC TELECOMMUNICATIONS, INC.** [US/US]; 12501 Whitewater Drive, Minnetonka, MN 55343 (US).

(72) **NICHOLS, Richard, Allen**; 2240 Campbell Creek Boulevard, Richardson, TX 75802 (US).

(74) **VIKSNINS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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 : *(c)*

---

(11) **WO 99/25067** (13) A1

(21) PCT/US98/23098

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/966,333 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H03L 7/089, G05F 3/26**

(54) • PHASE LOCKED LOOP CHARGE PUMP CIRCUIT
- CIRCUIT DE MAINTIEN DE CHARGE A BOUCLE A PHASE ASSERVIE

(71) **ANALOG DEVICES, INC.** [US/US]; 1 Technology Way, Norwood, MA 02062 (US).

(72) **STRANGE, Jonathan, R.**; 13 Alma Road, Reigate, Surrey RH2 0DB (GB). **SHAH, Ashish, D.**; 16 Pinewood Drive, Chatham, Kent ME5 8XU (US).

(74) **CONNORS, Matthew, E.** et al. / etc.; Samuels, Gauthier & Stevens, Suite 3300, 225 Franklin Street, Boston, MA 02110 (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)*

---

(11) **WO 99/25068** (13) A1

(21) PCT/EP98/07078

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 197 48 885.4 (32) **5 Nov/nov 1997 (05.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H03L 7/197**

(54) • PHASE–LOCKED LOOP WITH IMPROVEMENTS ON PHASE JITTER, MTIE, TRACKING SPEED AND LOCKING SPEED
• BOUCLE A VERROUILLAGE DE PHASE AVEC AMELIORATION APPORTEE A LA GIGUE DE PHASE, AUX CARACTERISTIQUES D'ERREUR D'INTERVALLE (MTIE), A LA VITESSE DE POURSUITE ET A LA VITESSE DE VERROUILLAGE

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LINSS, Bernd** [DE/DE]; Mittelstrasse 4, D–31162 Bad Salzdetfurth (DE).

(74) **VON FISCHERN, Bernhard** et al. / etc.; Hoffmann . Eitle, Arabellastrasse 4, D–81925 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25069** (13) A1

(21) PCT/JP98/05027

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/307599 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(31) 10/218377 (32) **31 Jul/juil 1998 (31.07.1998)** (33) JP

(31) 10/233088 (32) **19 Aug/août 1998 (19.08.1998)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H03M 13/22, 13/12**

(54) • INTERLEAVING METHOD, INTERLEAVING APPARATUS, AND RECORDING MEDIUM IN WHICH INTERLEAVE PATTERN GENERATING PROGRAM IS RECORDED
• PROCEDE ET DISPOSITIF D'ENTRELACEMENT, ET SUPPORT D'ENREGISTREMENT DANS LEQUEL ON A ENREGISTRE UN PROGRAMME DE PRODUCTION DE MOTIFS D'ENTRELACEMENT

(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) **SHIBUTANI, Akira** [JP/JP]; 18–11–303, Noukendai–dori, Kanazawa–ku, Yokohama–shi, Kanagawa 236–0053 (JP). **SUDA, Hirohito** [JP/JP]; 1204, Famille–shounan–taura, 1–1–5, Taura–cho, Yokosuka–shi, Kanagawa 237–0075 (JP).

(74) **ITOH, Tadahiko**; Yebisu Garden Place Tower, 32nd floor, 20–3, Ebisu 4–chome, Shibuya–ku, Tokyo 150–6032 (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).

---

(11) **WO 99/25070** (13) A2

(21) PCT/CA98/01030

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 2,220,480 (32) **7 Nov/nov 1997 (07.11.1997)** (33) CA

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B**

(54) • MULTI–FREQUENCY REMOTE LOCATION, COMMUNICATION, COMMAND AND CONTROL SYSTEM AND METHOD
• SYSTEME ET PROCEDE DE LOCALISATION, DE COMMUNICATION, DE GESTION ET DE COMMANDE MULTIFREQUENCES A DISTANCE

(71) **FRACMASTER LTD.** [CA/CA]; 1700 Fracmaster Tower, 355 4th Avenue, S.W., Calgary, Alberta T2P 0J1 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DYCK, John** [CA/CA]; 9415 – 128 A Avenue, Edmonton, Alberta T5E 0K1 (CA). **GOTOWIK, Horst** [DE/CA]; 11844 – 86 Street, Edmonton, Alberta T5B 3K1 (CA). **FALTEKVAL, Gerald** [CA/CA]; 10735 – 154 Street, Edmonton, Alberta T5P 2J4 (CA). **BENTLEY, Richard** [CA/CA]; 1703 – 200 Newport Drive, Port Moody, British Columbia V3H 5B7 (CA). **JANKE, James** [CA/CA]; 101 – 863 West 16 Avenue, Vancouver, British Columbia V5Z 1S9 (CA). **GREEN, Joseph, Micahel** [CA/CA]; 15024 – 55 Street, Edmonton, Alberta T5A 2L2 (CA). **INGHAM, Bradley, Cyril** [CA/CA]; 1126 – 62 Street, Edmonton, Alberta T6L 2H8 (CA).

(74) **PROULX, Eugene, E.**; Moffat & Co., P.O. Box 2088, Station D, Ottawa, Ontario K1P 5W3 (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 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).

---

(11) **WO 99/25071** (13) A2

(21) PCT/CA98/01047

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 2,220,578 (32) **10 Nov/nov 1997 (10.11.1997)** (33) CA

(31) 2,220,579 (32) **10 Nov/nov 1997 (10.11.1997)** (33) CA

(31) 2,220,580 (32) **10 Nov/nov 1997 (10.11.1997)** (33) CA

(31) 2,220,641 (32) **10 Nov/nov 1997 (10.11.1997)** (33) CA

(31) 09/041,131 (32) **12 Mar/mar 1998 (12.03.1998)** (33) US

(31) 09/041,130 (32) **12 Mar/mar 1998 (12.03.1998)** (33) US

(31) 09/041,129 (32) **12 Mar/mar 1998 (12.03.1998)** (33) US

(31) 09/041,128 (32) **12 Mar/mar 1998 (12.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B**

(54) • DISTRIBUTED SERVICE NETWORK
• RESEAU DE SERVICES A REPARTITION

(71) **NORTHERN TELECOM LIMITED** [CA/CA]; Station A, P.O. Box 6123, Montreal, Quebec M3C 3J5 (CA).

(72) **TRUDEAU, Joseph, Jean–Paul, Denis**; 109 Primrose Avenue, Ottawa, Ontario K1R 6M2 (CA). **CRADDOCK, Arthur, Julian, Patterson**; 6486 Waddion Drive, Greely, Ontario K4P 1E7 (CA). **KHUWAJA, Ramzan, A.**; 18 Deerfield Drive, #1603, Nepean, Ontario K2G 4L1 (CA). **ARMSTRONG, Steve, Michael**; 24 Hillview Road, Nepean, Ontario K2H 5G5 (CA). **PARSONS, Eric, Walter**; 3 Lakewood Drive, Richmond, Ontario K0A 2Z0 (CA). **MACFARLANE, Ian, Alexander**; 15 Victor Street, Stittsville, Ontario K2S 1H9 (CA).

(74) **STRATTON, Robert, P.** et al. / etc.; Gowling, Strathy & Henderson, Suite 4900, Commerce Court West, Toronto, Ontario M5L 1J3 (CA).

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

---

(11) **WO 99/25072** (13) A2

(21) PCT/FI98/00834

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) fi (26) en

(31) 974086 (32) **29 Oct/oct 1997 (29.10.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B**

(54) • CONTROL METHOD AND CONTROL ARRANGEMENT
• PROCEDE DE COMMANDE ET AGENCEMENT DE COMMANDE

(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) **NEFFLING, Toni** [FI/FI]; Mataratie 3 C 4, FIN–90580 Oulu (FI).

(74) **PATENTTITOIMISTO TEKNOPOLIS KOLSTER OY**; c/o Kolster Oy AB, Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/25073** (13) A2

(21) PCT/FI98/00836

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) fi (26) en

(31) 974087 (32) **29 Oct/oct 1997 (29.10.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B**

(54) • ADAPTATION METHOD AND AMPLIFIER ARRANGEMENT
• PROCEDE D'ADAPTATION ET MONTAGE AMPLIFICATEUR

(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) **NEFFLING, Toni** [FI/FI]; Mataratie 3 C 4, FIN–90580 Oulu (FI).

(74) **PATENTTITOIMISTO TEKNOPOLIS KOLSTER OY**; c/o Kolster Oy AB, Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/25074** (13) A1

(21) PCT/US98/14656

(22) **17 Jul/juil 1998 (17.07.1998)**

(25) en (26) en

(31) 08/965.691 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B 1/00**

(54) • METHOD AND APPARATUS FOR COMMUNICATING IN A DISPATCH COMMUNICATION SYSTEM
• PROCEDE ET APPAREIL DE COMMUNICATION DANS UN SYSTEME DE COMMUNICATION A REPARTITION

(71) **MOTOROLA, INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **KREBS, Jay, R.**; 6008 Bur Lane, Crystal Lake, IL 60014 (US).

(74) **CRILLY, Daniel, C.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

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

---

(11) **WO 99/25075** (13) A2

(21) PCT/IB98/01724

(22) **29 Oct/oct 1998 (29.10.1998)**

(25) en (26) en

(31) 97402682.5 (32) **7 Nov/nov 1997 (07.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B 1/26**

(54) • A WIRELESS COMMUNICATION DEVICE
• DISPOSITIF DE COMMUNICATION SANS FIL

(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) **RAPELI, Juha**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **DEGUELLE, Wilhelmus, H., G.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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).

---

(11) **WO 99/25076** (13) A1

(21) PCT/IB98/01645

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 97203448.2 (32) **6 Nov/nov 1997 (06.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B 1/50, H04L 5/14**

(54) • A TRANSCEIVER AND A TELECOMMUNICATION SYSTEM HAVING A TRANSCEIVER
• EMETTEUR–RECEPTEUR ET SYSTEME DE TELECOMMUNICATIONS FAISANT APPEL A CE DERNIER

(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) **WAGEMANS, Antonius, Gerardus**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **BALTUS, Petrus, Gerardus, Maria**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).
(only for / seulement pour SE)

(74) **DEGUELLE, Wilhelmus, H., G.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25077** (13) A1

(21) PCT/US98/23976

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,623 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B 7/10**

(54) • DIVERSITY RECEPTION SYSTEM
• SYSTEME DE RECEPTION EN DIVERSITE

(71) **ELECTROCOM COMMUNICATION SYSTEMS INC.** [US/US]; Building E–2, 10400 Pioneer Boulevard, Santa Fe Springs, CA 90670–3728 (US).

(72) **FITZGERALD, Shane, Michael**; 2640 Petaluma Avenue, Long Beach, CA 90815 (US).

(74) **MEYERS, Philip, G.** et al. / etc.; Gardere & Wynne, L.L.P., Suite 3000, 1601 Elm Street, Dallas, TX 75201 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25078** (13) A1

(21) PCT/DE98/03089

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) de (26) de

(31) 197 49 389.0 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B 7/26, 1/707**

(54) • PROCESS, RECEIVER AND MOBILE STATION USED FOR DATA TRANSMISSION IN A RADIO COMMUNICATION SYSTEM
• PROCEDE, RECEPTEUR ET STATION MOBILE PERMETTANT LA TRANSMISSION DE DONNEES DANS UN SYSTEME DE RADIOCOMMUNICATION

(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) **HAARDT, Martin** [DE/DE]; Wengleinstrasse 3, D–81477 München (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25079** (13) A1

(21) PCT/US98/23848

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,194 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/098,631 (32) **16 Jun/juin 1998 (16.06.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B 7/26, 1/707, 7/216**

(54) • RAPID SIGNAL ACQUISITION AND SYNCHRONIZATION FOR ACCESS TRANSMISSIONS
• ACQUISITION ET SYNCHRONISATION RAPIDES DE SIGNAUX DANS DES TRANSMISSIONS A ACCES

(71) **QUALCOMM INCORPORATED** [US/US]; 6455 Lusk Boulevard, San Diego, Ca 92121 (US).

(72) **ZEHAVI, Ephraim**; 3 Moshe Sneh Street, 34987 Haifa (IL). **SKINNER, Gordon** (deceased / décédé).

(74) **OGROD, Gregory, D.**; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (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 : *(c)*

(11) **WO 99/25080** (13) A1

(21) PCT/US98/23849

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,169 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 60/065,194 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/098,631 (32) **16 Jun/juin 1998 (16.06.1998)** (33) US

(31) Not furnished / non communiqué (32) **9 Nov/nov 1998 (09.11.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B 7/26, 1/707, 7/216**

(54) • ACCESS CHANNEL SLOT SHARING
• PARTAGE DE CRENEAUX DANS UN CANAL D'ACCES

(71) **QUALCOMM INCORPORATED** [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US).

(72) **MILLER, David, S.**; 1386 Nightshade Road, Carlsbad, CA 92009 (US). **VIJAYAN, Rajiv**; 9604 Babauta Road, San Diego, CA 92129 (US). **ZEHAVI, Ephraim**; Moshe Sneh Street 3, 34987 Haifa (IL). **LEVIN, Jeffrey, A.**; 13063 Harwick Lane, San Diego, CA 92130 (US).

(74) **OGROD, Gregory, D.**; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (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 : *(c)*

---

(11) **WO 99/25081** (13) A1

(21) PCT/EP98/06970

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 97119344.6 (32) **5 Nov/nov 1997 (05.11.1997)** (33) EP

(31) 60/065,060 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04B 10/00, G02F 2/00**

(54) • OPTICAL WAVELENGTH CONVERTER
• CONVERTISSEURS DE LONGUEURS D'ONDE OPTIQUE

(71) **PIRELLI CAVI E SISTEMI S.P.A.** [IT/IT]; Viale Sarca, 222, I–20126 Milan (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOFFI, Pierpaolo** [IT/IT]; Via Don Minzoni, 37, I–27058 Voghera (IT). **MARAZZI, Lucia** [IT/IT]; Via Orsi, 60, I–27100 Pavia (IT). **MARTINELLI, Mario** [IT/IT]; Via Agadir, 16b, I–20097 S. Donato Milanese (IT).

(74) **PIRELLI CAVI E SISTEMI S.P.A.**; Viale Sarca, 222, I–20126 Milan (IT).

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

Published / Publiée : *(c)*

---

(11) **WO 99/25082** (13) A1

(21) PCT/JP98/05044

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) ja (26) ja

(31) 9/308488 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(31) 9/327881 (32) **28 Nov/nov 1997 (28.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04H 1/00**

(54) • TRANSMITTER AND TRANSMITTING METHOD, INFORMATION EDITOR AND EDITING METHOD, RECEIVER AND RECEIVING METHOD, INFORMATION STORAGE AND STORING METHOD, AND BROADCASTING SYSTEM
• EMETTEUR ET PROCEDE D'EMISSION, EDITEUR D'INFORMATIONS ET PROCEDE D'EDITION, RECEPTEUR ET PROCEDE DE RECEPTION, STOCKAGE D'INFORMATIONS ET PROCEDE DE STOCKAGE ET SYSTEME DE DIFFUSION

(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) **KOGA, Tadaharu** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **NAKATSUKA, Satoko** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **KIKUTA, Yasushi** [JP/JP]; Sony Corporation, 7–35, Kitashinagawa 6–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(74) **SUGIURA, Masatomo**; 25 Sankyo Building, Room 420, 48–10, Higashi Ikebukuro 1–chome, Toshima–ku, Tokyo 170–0013 (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).

---

(11) **WO 99/25083** (13) A1

(21) PCT/SE98/00842

(22) **7 May/mai 1998 (07.05.1998)**

(25) en (26) en

(31) 9704101–6 (32) **10 Nov/nov 1997 (10.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04H 1/00**

(54) • A METHOD AND ARRANGEMENT FOR WIRELESS DATA TRANSMISSION
• PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES PAR RADIO

(71) **DOBORA COMMUNICATION AB** [SE/SE]; P.O. Box 152, S–132 25 Saltsjö–Boo (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WAHLSTEN, Gunnar** [SE/SE]; Ringvägen 9A, S–118 23 Stockholm (SE).

(74) **ÖRTENBLAD, Bertil** et al. / etc.; Noréns Patentbyrå AB, P.O. Box 10198, S–100 55 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 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).

---

(11) **WO 99/25084** (13) A1

(21) PCT/US97/20119

(22) **6 Nov/nov 1997 (06.11.1997)**

(25) en (26) en

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04J 3/14**

(54) • METHOD AND APPARATUS FOR CONTROLLING QUALITY OF SERVICE IN AN ATM NETWORK
• METHODE ET APPAREIL DE CONTROLE DE LA QUALITE DE SERVICE DANS UN RESEAU ATM

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **GROSSMAN, Daniel**; 117 Mylod Street, Norwood, MA 02062 (US).

(74) **KLAYMAN, Jeffrey, T.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1302 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 GE GH 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/25085** (13) A1

(21) PCT/US98/23891

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,620 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04J 3/14**

(54) • METHOD AND APPARATUS FOR PERFORMING SERVICE LEVEL ANALYSIS OF COMMUNICATIONS NETWORK PERFORMANCE METRICS
• PROCEDE ET APPAREIL PERMETTANT D'EFFECTUER DES ANALYSES DE NIVEAU DE SERVICE DE PARAMETRES DE LA TENUE DU RESEAU DE COMMUNICATION AUX DONNEES

(71) **VISUAL NETWORKS, INC.** [US/US]; Suite 220, 2092 Gaither Road, Rockville, MD 20850 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DRYSDALE, R., Scott** [US/US]; 3 McMurray, Frederick, MD 21701 (US). **ENNIS, James, D., Jr.** [US/US]; 11204 Jeffro Court, Ijamsville, MD 21754 (US). **HASSELKUS, John, E.** [US/US]; 13215 Meander Cove Drive, Germantown, MD 20874 (US). **NISBET, Thomas, R.** [US/US]; 10215 Tarpley Court, Ellicot City, MD 21042 (US). **TROUTMAN, Robert, C.** [US/US]; 11

Melmark Court, Gaithersburg, MD 20878 (US). **REHBEHN, Ken** [US/US]; 4802 Strathmore Avenue, Garret Park, MD 20896 (US). **WHEELER, David** [US/US]; 19009 Laurel Grove Terrace, Germantown, MD 20874 (US).

(74) **FINNAN, Patrick, J.** et al. / etc.; Epstein, Edell & Retzer, Suite 400, 1901 Research Boulevard, Rockville, MD 20850–3164 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25086** (13) A2

(21) PCT/FI98/00879

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 974198 (32) **11 Nov/nov 1997 (11.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L**

(54) • GENERATION OF A SEED NUMBER
• GENERATION D'UNE VALEUR DE DEPART

(71) **SONERA OY** [FI/FI]; Sturenkatu 16, FIN–00510 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LAHTINEN, Pasi** [FI/FI]; Aittatie 1 A 3, FIN–00390 Helsinki (FI).

(74) **PAPULA REIN LAHTELA OY**; Fredrikinkatu 61 A, P.O. Box 981, FIN–00101 Helsinki (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25087** (13) A1

(21) PCT/DE98/03176

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) de (26) de

(31) 197 50 047.1 (32) **12 Nov/nov 1997 (12.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 1/12, G01S 13/82**

(54) • DEDICATED SHORT RANGE COMMUNICATION PROCESS AND TRANSPONDER FOR IMPLEMENTING THE SAME
• PROCEDE DE COMMUNICATION SUR COURTE DISTANCE SPECIALISEE (DSRC) ET TRANSPONDEUR A CET EFFET

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D–70442 Stuttgart (DE).

(72) **GRABOW, Wilhelm**; An der Renne 9, D–31139 Hildesheim (DE). **WIXFORTH, Thomas**; An der Renne 79, D–31139 Hildesheim (DE). **DETLEFSEN, Wolfgang**; An der Renne 45, D–31139 Hildesheim (DE).

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

Published / Publiée : *(c)*

---

(11) **WO 99/25088** (13) A1

(21) PCT/US98/23774

(22) **7 Nov/nov 1998 (07.11.1998)**

(25) en (26) en

(31) 08/965,705 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 1/12**

(54) • METHOD FOR ASSIGNING OPTIMAL PACKET LENGTHS IN A VARIABLE RATE COMMUNICATION SYSTEM
• PROCEDE D'ATTRIBUTION DE LONGUEURS DE PAQUETS OPTIMALES DANS UN SYSTEME DE COMMUNICATION A VITESSE VARIABLE

(71) **QUALCOMM INCORPORATED** [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US).

(72) **SINDHUSHAYANA, Nagabhushana, T.**; 10635 Dabney Drive #63, San Diego, CA 92126 (US). **PADOVANI, Roberto**; 13593 Penfield Point, San Diego, CA 92130 (US).

(74) **MILLER, Russell, B.** et al. / etc.; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (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 : *(c)*

---

(11) **WO 99/25089** (13) A1

(21) PCT/DE98/03069

(22) **20 Oct/oct 1998 (20.10.1998)**

(25) de (26) de

(31) 197 49 148.0 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 1/18**

(54) • DATA TRANSMISSION PROCESS AND DEVICE IN A DIGITAL TRANSMISSION SYSTEM WITH ARQ
• PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES DANS UN SYSTEME DE COMMUNICATION NUMERIQUE AVEC ARQ

(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) **FRANZ, Volker** [DE/DE]; Edelweissstrasse 66, D–82178 Puchheim (DE). **EMMER, Dieter** [DE/DE]; Gesch.–Scholl–Ring 10, D–82110 Germering (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D–80506 München (DE).

(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).

Published / Publiée : *(c)*

---

(11) **WO 99/25090** (13) A1

(21) PCT/EP98/07045

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 50 779.4 (32) **10 Nov/nov 1997 (10.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 9/08**

(54) • METHOD FOR IDENTIFYING PROPRIETARY DATA OF TRAITORS
• PROCEDE D'IDENTIFICATION DE TRAITRES AYANT LIVRE DES DONNEES PRIVEES

(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)

(71) **DAIMLERCHRYSLER SERVICES (DEBIS) AG** [DE/DE]; Eichhornstrasse 3, D–10875 Berlin (DE).
(only for / seulement pour AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE)

(72, 75) **SCHWENK, Jörg** [DE/DE]; Südwestring 27, D–64807 Dieburg (DE). **UEBERBERG, Johannes** [DE/DE]; Von–Claer–Strasse 126, D–53757 St. Augustin (DE).

(74) **DEUTSCHE TELEKOM AG**; Technologiezentrum, Patentabteilung EK03, D–64307 Darmstadt (DE).

(81) AU CA CN IL JP NO NZ TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : *(c)*

---

(11) **WO 99/25091** (13) A1

(21) PCT/SE98/02011

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,820 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 9/22, G06F 7/58**

(54) • APPARATUS, AND ASSOCIATED METHOD, FOR GENERATING A PSEUDO–RANDOM NUMBER
• APPAREIL ET PROCEDE ASSOCIE DE GENERATION D'UN NOMBRE PSEUDO–ALEATOIRE

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **SMEETS, Ben**; Dalbackavägen 11, S–240 10 Dalby (SE).

(74) **ERICSSON MOBILE COMMUNICATIONS AB**; Patent Unit, 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/25092** (13) A1

(21) PCT/CA98/01040

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,702 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 9/32**

(54) • MASKED DIGITAL SIGNATURES
• SIGNATURES NUMERIQUES MASQUEES

(71) **CERTICOM CORP.** [CA/CA]; Suite 103, 200 Matheson Boulevard West, Mississauga, Ontario L5R 3L7 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JOHNSON, Donald, B.** [US/US]; 7684 Knightshayes Drive, Manassas, VA 20111 (US). **VANSTONE, Scott** [CA/CA]; 539 Sandbrook Court, Waterloo, Ontario N2T 2H4 (CA). **QU, Minghua** [CA/CA]; 157 University Avenue West #112, Waterloo, Ontario N2L 3E5 (CA).

(74) **ORANGE CHARI PILLAY**; Toronto Dominion Bank Tower, Toronto–Dominion Centre, Suite 3600, P.O. Box 190, Toronto, Ontario M5K 1H6 (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 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).

---

(11) **WO 99/25093** (13) A2

(21) PCT/FI98/00869

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 974186 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 9/32**

(54) • SECURE HANDSHAKE PROTOCOL
• PROTOCOLE SECURISE D'ETABLISSEMENT DE LIAISON

(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) **IMMONEN, Olli** [FI/FI]; Tuohuskuja 16 A 5, FIN–00670 Helsinki (FI).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN–00121 Helsinki (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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/25094** (13) A1

(21) PCT/NL98/00646

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) nl (26) en

(31) 1007472 (32) **6 Nov/nov 1997 (06.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 9/32**

(54) • METHOD AND DEVICE FOR THE PROTECTED STORAGE OF DATA FROM MESSAGE TRAFFIC
• PROCEDE ET DISPOSITIF DE STOCKAGE PROTEGE DE DONNEES D'UN TRAFIC DE MESSAGES

(71) **KONINKLIJKE PTT NEDERLAND 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) **HOEPMAN, Jaap, Henk** [NL/NL]; G.C. Marshallstraat 31, NL–9728 WS Groningen (NL). **NEUIJEN, Saskia, Maria, Josefina, Gerarda** [NL/NL]; Arem 2, NL–2151 RE Nieuw Vennep (NL). **ALDENHUIJSEN, Christianus, Wilhelmus, Henricus, Maria** [NL/NL]; Johan van Oldenbarneveltlaan 25, NL–2582 NH Den Haag (NL). **CAMPS, Johannes, Marinus, Antonius** [NL/NL]; Gedempte Kattendiep 3B, NL–9711 PL Groningen (NL). **LANDSMEER, Paul** [NL/NL]; IJmuidenstraat 10, NL–2586 VA Den Haag (NL). **VAN POL, Johannes, Hubertus, Gerardus** [NL/NL]; Duinmeierij 41, NL–2264 LH Leidschendam (NL). **THEUNISSEN, Jean, Andreas, Petronius** [NL/NL]; Sir W. Churchilllaan 10, NL–2282 JD Rijswijk (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL–2502 LS 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25095** (13) A2

(21) PCT/US98/23620

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/964,151 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 12/00**

(54) • REMOTE DEVICE CONNECTION TO A NETWORK
• CONNEXION DE DISPOSITIFS A DISTANCE A UN RESEAU

(71) **SUN MICROSYSTEMS, INC.** [US/US]; 901 San Antonio Road, PAL01–521, Palo Alto, CA 94303 (US).

(72) **BAEHR, Geoffrey, A.**; 531 Colorado Avenue, Palo Alto, CA 94306 (US).

(74) **GARRETT, Arthur, S.**; Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005–3315 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/25096** (13) A2

(21) PCT/US98/23785

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 08/966,634 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 12/00**

(54) • NETWORK FOR PROVIDING SWITCHED BROADBAND MULTIPOINT/MULTIMEDIA INTERCOMMUNICATION
• RESEAU PERMETTANT UNE INTERCOMMUNICATION MULTIPOINT/MULTIMEDIA, A BANDE LARGE ET COMMUTEE

(71) **WARPSPEED COMMUNICATIONS** [US/US]; 6683 Owens Drive, Pleasanton, CA 94588 (US).

(72) **GOLDEN, Michael, E.**; 3693 Mohr Avenue, Pleasanton, CA 94588 (US). **COBB, Richard, E.**; 1907 20th Street, San Francisco, CA 94107 (US). **GRENLEY, George, R.**; 2136 Armstrong Drive, Pleasanton, CA 94588 (US). **RUNDQUIST, William, A.**; 267 Yerba Buena Place, Fremont, CA 94536 (US). **CHU, Todd, D.**; 1219 Thurston Avenue, Los Altos, CA 94024 (US). **WOODYATT, James, H.**; 1276 12th Avenue, San Francisco, CA 94122 (US). **JEX, Jessica, Dasha**; 14 Whitmore Place #14, Oakland, CA 94611 (US). **DeAVILA, Miguel, J.**; 1162 Shotwell, San Francisco, CA 94110 (US).

(74) **JAKOPIN, David, A.** et al. / etc.; Pillsbury Madison & Sutro, LLP, 1100 New York Avenue N.W., Washington, DC 20005 (US).

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

---

(11) **WO 99/25097** (13) A1

(21) PCT/GB98/03316

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 9723557.6 (32) **8 Nov/nov 1997 (08.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 12/26, 12/413, B60R 16/02**

(54) • BUS LOADING METER USING DIGITAL ENVELOPE DETECTOR
• APPAREIL DE MESURE DE LA CHARGE DE BUS UTILISANT UN DETECTEUR D'ENVELOPPE NUMERIQUE

(71) **UNIVERSITY OF WARWICK** [GB/GB]; Coventry CV4 7AL (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MCLAUGHLIN, Richard, Thomas** [US/GB]; 8 Guys Close, Warwick CV34 5JH (GB). **TANG, Kiah, Hion** [MY/GB]; Warwick Manufacturing Group, International Manufacturing Centre, University of Warwick, Coventry CV4 7AL (GB).

(74) **HARDING, Richard, Patrick**; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford OX4 2RU (GB).

(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)*

---

(11) **WO 99/25098** (13) A1

(21) PCT/US98/22872

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/966,926 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 12/28, H04M 11/06, 1/72**

(54) • SYSTEM AND METHOD FOR DISTRIBUTING VOICE AND DATA INFORMATION OVER WIRELESS AND WIRELINE NETWORKS
• SYSTEME ET PROCEDE DE DISTRIBUTION DE DONNEES ET D'INFORMATIONS VOCALES SUR DES RESEAUX SANS FIL ET DES RESEAUX CABLES

(71) **AMERITECH CORPORATION** [US/US]; 2000 W. Ameritech Center Drive, Hoffman Estates, IL 60196–1025 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GORMAN, Michael, G.** [US/US]; 2121 Frost Street, Schaumburg, IL 60195 (US).

(74) **LEE, George, I.**; McDonnell Boehnen Hulbert & Berghoff, 300 South Wacker Drive, 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25099** (13) A2

(21) PCT/SE98/02003

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 9704067–9 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(31) 60/066,477 (32) **26 Nov/nov 1997 (26.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 12/52**

(54) • METHOD AND APPARATUS FOR SWITCHING DATA BETWEEN BITSTREAMS OF A TIME DIVISION MULTIPLEXED NETWORK
• PROCEDE ET APPAREIL PERMETTANT DE COMMUTER DES DONNEES ENTRE DES TRAINS DE BITS D'UN RESEAU DE MULTIPLEXAGE PAR REPARTITION DANS LE TEMPS

(71) **NET INSIGHT AB** [SE/SE]; Ingenjörsvägen 3, S–117 43 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOHM, Christer** [SE/SE]; Varpholmsgränd 32, S–127 46 Skärholmen (SE). **GAUFFIN, Lars** [SE/SE]; Orrstigen 18, S–144 44 Rönninge (SE). **HOLM, Lukas** [SE/SE]; S:t Paulsgatan 28 A, S–118 48 Stockholm (SE). **ROOS, Joachim** [SE/SE]; Kristinedalsvägen 32 B, S–131 46 Nacka (SE).

(74) **AWAPATENT AB**; P.O. Box 45086, S–104 30 Stockholm (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 EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) 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 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).

---

(11) **WO 99/25100** (13) A1

(21) PCT/DE98/02385

(22) **14 Aug/août 1998 (14.08.1998)**

(25) de (26) de

(31) 197 49 390.4 (32) **7 Nov/nov 1997 (07.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 12/56, H04Q 11/04**

(54) • PROCESS FOR MEASURING ATM CELL RATES
• METHODE DE MESURE DES TAUX DE CELLULES ATM

(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) **HEISS, Herbert** [DE/DE]; Bussardstrasse 32, D–82008 Unterhaching (DE).

(74) **SIEMENS AG**; 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25101** (13) A2

(21) PCT/SE98/01989

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 9704075–2 (32) **7 Nov/nov 1997 (07.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 12/56**

(54) • A ROUTING FUNCTIONALITY APPLICATION IN A DATA COMMUNICATIONS NETWORK WITH A NUMBER OF HIERARCHICAL NODES
• RESEAU DE TRANSMISSION DE DONNEES ET PROCEDES Y RELATIFS

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)** [SE/SE]; S–126 25 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LENANDER, Jan** [SE/SE]; Gåsmossen 66, S–436 39 Askim (SE).

(74) **BERGENTALL, Annika**; Cegumark AB, P.O. Box 53047, S–400 14 Göteborg (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 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).

---

(11) **WO 99/25102** (13) A2

(21) PCT/NO98/00330

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 975174 (32) **11 Nov/nov 1997 (11.11.1997)** (33) NO

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 12/66**

(54) • METHOD FOR MANUALLY ROUTING CALLS FROM A FIRST TELECOMMUNICATION NETWORK TO AN EXTERNAL TELECOMMUNICATION NETWORK
• PROCEDE POUR ACHEMINER MANUELLEMENT DES APPELS D'UN PREMIER RESEAU DE TELECOMMUNICATIONS VERS UN RESEAU DE TELECOMMUNICATIONS EXTERNE

(71) **TELEFONAKTIEBOLAGET LM ERICSSON** [SE/SE]; S–126 25 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ERIKSEN, Werner** [NO/NO]; Hagenbakken 7, N–1440 Drøbak (NO). **HAGA, Børge** [NO/NO]; Grinda 9A, N–0861 Oslo (NO).

(74) **OSLO PATENTKONTOR AS**; Postboks 7007 M, N–0306 Oslo (NO).

(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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/25103** (13) A2

(21) PCT/EP98/04789

(22) **31 Jul/juil 1998 (31.07.1998)**

(25) de (26) de

(31) 197 48 880.3 (32) **6 Nov/nov 1997 (06.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 27/00**

(54) • METHOD AND CIRCUIT ARRANGEMENT FOR IMPROVED DATA TRANSMISSION
• PROCEDE ET CONFIGURATION DE CIRCUIT DESTINES A UNE TRANSMISSION DE DONNEES AMELIOREE

(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) **HUBER, Klaus** [DE/DE]; Rheinstrasse 18, D–64283 Darmstadt (DE).

(81) CA JP NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25104** (13) A1

(21) PCT/SE98/02010

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/966,240 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 27/36, H03C 3/00**

(54) • QAM MODULATION USING DIRECT DIGITAL SYNTHESIS AND UPCONVERSION
• MODULATION D'AMPLITUDE PAR SYNTHESE NUMERIQUE DIRECTE ET CONVERSION–ELEVATION

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **SAHLMAN, Karl–Gösta**; Segeltorpsvägen 24, S–125 53 Älvsjö (SE).

(74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., 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 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).

---

(11) **WO 99/25105** (13) A1

(21) PCT/FR98/01736

(22) **4 Aug/août 1998 (04.08.1998)**

(25) fr (26) fr

(31) 97/14168 (32) **12 Nov/nov 1997 (12.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04L 29/06, H04M 11/06**

(54) • TELEWRITING DEVICE
• DISPOSITIF DE TELE–ECRITURE

(71) **ADL SYSTEME S.A.** [FR/FR]; 23 bis, rue de l'Industrie, F–27950 Saint–Marcel (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LANET, Arnaud** [FR/FR]; La Tuilerie, 29, route de Gaillon, F–27120 Houlbec Cocherel (FR).

(74) **JOLY, Jean–Jacques** et al. / etc.; Cabinet Beau de Loménie, 158, rue de l'Université, F–75340 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 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).

---

(11) **WO 99/25106** (13) A2

(21) PCT/US98/22780

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) en (26) en

(31) 08/967,476 (32) **11 Nov/nov 1997 (11.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04M**

(54) • METHOD AND APPARATUS FOR PROVIDING PREPAID TELEPHONE SERVICE OVER A COMPUTER NETWORK
• PROCEDE ET APPAREIL PERMETTANT D'ASSURER UN SERVICE TELEPHONIQUE A PREPAIEMENT SUR UN RESEAU INFORMATIQUE

(71) **AT & T CORPORATION** [US/US]; 32 Avenue of the Americas, New York, NY 10013–2412 (US).

(72) **GREENSPAN, Steven, L.**; 1566 Ramapo Way, Scotch Plains, NJ 07076 (US).

(74) **DWORETSKY, Samuel, H.** et al. / etc.; AT & T Corp., P.O. Box 4110, Middletown, NJ 07748 (US).

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

---

(11) **WO 99/25107** (13) A2

(21) PCT/SE98/01988

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 9704058–8 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04M 3/42, H04Q 7/22**

(54) • CALL SETUP IN MOBILE SYSTEMS
• ETABLISSEMENT D'UNE COMMUNICATION DANS DES SYSTEMES MOBILES

(71) **TELIA AB (publ)** [SE/SE]; Mårbackagatan 11, S–123 86 Farsta (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRANK, Robert** [SE/SE]; Torggatan 16F, S–185 32 Vaxholm (SE). **WINROTH, Mats, Olof** [SE/SE]; Lyckogången 4, S–135 54 Tyresö (SE).

(74) **PRAGSTEN, Rolf**; Telia Research AB, Vitsandsgatan 9, S–123 86 Farsta (SE).

(81) EE JP LT LV NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25108** (13) A2

(21) PCT/SE98/01987

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 9704057–0 (32) **6 Nov/nov 1997 (06.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04M 3/50, H04Q 7/32**

(54) • VOICE MAILBOX IN A GSM–SYSTEM
• BOITE A LETTRES VOCALE DE SYSTEME GSM

(71) **TELIA AB (publ)** [SE/SE]; Mårbackagatan 11, S–123 86 Farsta (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRANK, Robert** [SE/SE]; Torggatan 16F, S–185 32 Vaxholm (SE). **WINROTH, Mats, Olof** [SE/SE]; Lyckogången 4, S–135 54 Tyresö (SE).

(74) **PRAGSTEN, Rolf**; Telia Research AB, Vitsandsgatan 9, S–123 86 Farsta (SE).

(81) EE JP LT LV NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25109** (13) A1

(21) PCT/EP98/07127

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 9723803.4 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04M 7/00**

(54) • METHOD AND SYSTEM FOR ROUTING A TELEPHONE CALL THROUGH A COMPUTER NETWORK
• PROCEDE D'ACHEMINEMENT D'UN APPEL TELEPHONIQUE

(71) **TELEFONAKTIEBOLAGET LM ERICSSON** [SE/SE]; S–126 25 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AXELSSON, Fredrik** [SE/SE]; Nygatan 29A, 1tr, S–151 73 Södertälje (SE). **HALLENSTÅL, Magnus** [SE/SE]; Tabyvägen 220, S–187 50 Täby (SE). **PEEL, Simon** [GB/SE]; Ekenhovsvägen 5, S–131 47 Nacka (SE).

(74) **O'CONNELL, David, Christopher**; Haseltine Lake & Co., Imperial House, 15–19 Kingsway, London WC2B 6UD (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25110** (13) A1

(21) PCT/US98/24083

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/968,185 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 09/141,042 (32) **27 Aug/août 1998** (33) US **(27.08.1998)**

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04M 11/00**

(54) • METHOD AND APPARATUS FOR MONITORING A PATIENT
• PROCEDE ET APPAREIL DE SURVEILLANCE D'UN PATIENT

(71) **I–FLOW CORPORATION** [US/US]; 20202 Window Drive, Lake Forest, CA 92630 (US).

(72) **VASKO, Robert, S.**; 20202 Window Drive, Lake Forest, CA 92630 (US). **MASSENGALE, Roger**; 20202 Window Drive, Lake Forest, CA 92630 (US).

(74) **NATAUPSKY, Steven, J.**; 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 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 : *(c)*

---

(11) **WO 99/25111** (13) A1

(21) PCT/CH97/00426

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04M 15/00**

(54) • CLEARING METHOD IN A TELECOMMUNICATION SYSTEM
• PROCEDE DE COMPENSATION DANS UN SYSTEME DE TELECOMMUNICATIONS

(71) **SWISSCOM AG** [CH/CH]; Viktoriastrasse 21, CH–3030 Bern (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RITTER, Rudolf** [CH/CH]; Rossweidweg 8, CH–3052 Zollikofen (CH).

(74) **BOVARD AG**; Optingenstrasse 16, CH–3000 Bern 25 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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).

---

(11) **WO 99/25112** (13) A1

(21) PCT/US98/23491

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 60/064,458 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04M 17/02**

(54) • PLASTIC COIN RECEPTACLE FOR PAY TELEPHONES
• RECEPTACLE EN PLASTIQUE POUR PIECES DE MONNAIE DESTINE AUX TELEPHONES PUBLICS A PIECES

(71) **QUADRUM TELECOMMUNICATIONS, INC.** [US/US]; Suite 501, 700 Boulevard South, Huntsville, AL 35802 (US).

(72) **FAES, Steven, Michael**; 8700 Hickory Hill Lane, Huntsville, AL 35802 (US).

(74) **GARDNER, Arthur, A.**; Arthur A. Gardner and Associates, P.C., Suite E, 680 Village Trace, Marietta, GA 30067 (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).

---

(11) **WO 99/25113** (13) A1

(21) PCT/EP97/06241

(22) **10 Nov/nov 1997 (10.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 5/222**

(54) • GAME DEVICE FOR AN ENTERTAINMENT SHOW
• APPAREIL DESTINE A UN JEU D'ANIMATION

(71) **ELSTNER, Frank** [LU/LU]; Produktion S.A., Postfach 2424, L–1024 Luxembourg (LU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ELSTNER, Thomas** [LU/LU]; 20, rue Béatrix de Bourbon, L–1225 Luxembourg (LU).

(74) **KONLE, Tilmar**; Benderstrasse 23a, D–81247 München (DE).

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

---

(11) **WO 99/25114** (13) A1

(21) PCT/JP98/05066

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/325344 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 5/262, 5/91**

(54) • NONLINEAR VIDEO EDITING SYSTEM
• SYSTEME DE MONTAGE VIDEO NON LINEAIRE

(71) **SONY/TEKTRONIX CORPORATION** [JP/JP]; 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ABE, Koichi** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **OKAMOTO, Yasushi** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **MATSUURA, Koji** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **TSUBOUCHI, Shogo** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(74) **YAMANO, Mutsuhiko**; Room 701, Sumino–Fujisawa, 518, Fujisawa, Fujisawa–shi, Kanagawa 251–0052 (JP).

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

---

(11) **WO 99/25115** (13) A1

(21) PCT/JP98/05067

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/325346 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 5/262, 5/91**

(54) • NONLINEAR VIDEO EDITING SYSTEM
• SYSTEME DE MONTAGE VIDEO NON LINEAIRE

(71) **SONY/TEKTRONIX CORPORATION** [JP/JP]; 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ABE, Koichi** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **OKAMOTO, Yasushi** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **MATSUURA, Koji** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **TSUBOUCHI, Shogo** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(74) **YAMANO, Mutsuhiko**; Room 701, Sumino–Fujisawa, 518, Fujisawa, Fujisawa–shi, Kanagawa 251–0052 (JP).

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

---

(11) **WO 99/25116** (13) A1

(21) PCT/JP98/05068

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) ja (26) ja

(31) 9/325348 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 5/262, 5/91**

(54) • NONLINEAR VIDEO EDITING SYSTEM
• SYSTEME DE MONTAGE VIDEO NON LINEAIRE

(71) **SONY/TEKTRONIX CORPORATION** [JP/JP]; 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ABE, Koichi** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **OKAMOTO, Yasushi** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **MATSUURA, Koji** [JP/JP]; Sony/Tektronix Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP). **TSUBOUCHI, Shogo** [JP/JP]; Sony/Tektronix

Corporation, 9–31, Kitashinagawa 5–chome, Shinagawa–ku, Tokyo 141–0001 (JP).

(74) **YAMANO, Mutsuhiko**; Room 701, Sumino–Fujisawa, 518, Fujisawa, Fujisawa–shi, Kanagawa 251–0052 (JP).

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

---

(11) **WO 99/25117** (13) A1

(21) PCT/JP98/04971

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) ja (26) ja

(31) 9/305453 (32) **7 Nov/nov 1997 (07.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 5/335, H01L 27/146, 27/148**

(54) • PHOTOELECTRIC TRANSDUCER AND SOLID–STATE IMAGE PICKUP DEVICE
• TRANSDUCTEUR PHOTOELECTRIQUE ET DISPOSITIF DE PRISE DE VUES A SEMI–CONDUCTEURS

(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) **KOMOBUCHI, Hiroyoshi** [JP/JP]; 24–1, Ohyama–cho, Fukakusa–Ohkametani, Fushimi–ku, Kyoto–shi, Kyoto 612–0847 (JP). **YAMADA, Takahiro** [JP/JP]; 22–1–106, Taguchiyama 2–chome, Hirakata–shi, Osaka 573–0001 (JP). **ONOUE, Junichi** [JP/JP]; A106, 393, Matsukasa–cho, Yamatokouriyama–shi, Nara 639–1124 (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).

---

(11) **WO 99/25118** (13) A2

(21) PCT/IB98/01640

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 08/968,372 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 5/44**

(54) • METHOD AND APPARATUS FOR SCALING AND REDUCING FLICKER WITH DYNAMIC COEFFICIENT WEIGHTING
• PROCEDE ET APPAREIL DESTINES A LA MISE A L'ECHELLE ET A LA REDUCTION DU PAPILLOTEMENT AVEC PONDERATION DE COEFFICIENTS DYNAMIQUES

(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) **MAIETTA, Michael**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **FAESSEN, Louis, M., H.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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).

---

(11) **WO 99/25119** (13) A1

(21) PCT/US98/23335

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 60/063,988 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 09/063,333 (32) **20 Apr/avr 1998 (20.04.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 5/445**

(54) • INTERACTIVE ELECTRONIC TELEVISION PROGRAM GUIDE WITH DATABASE CONFIGURABILITY
• GUIDE ELECTRONIQUE INTERACTIF DES PROGRAMMES TELEVISES CONFIGURABLE EN BASE DE DONNEES

(71) **PREVUE INTERNATIONAL, INC.** [US/US]; 7140 South Lewis Avenue, Tulsa, OK 74136 (US).

(72) **ELLIS, Michael, D.**; 1300 Kingwood Place, Boulder, CO 80304 (US). **HAGENBUCH, Daniel, C.**; 1208 Old Jordan Road, Holland, PA 18966 (US).

(74) **TREYZ, G., Victor** et al. / etc.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (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).

---

(11) **WO 99/25120** (13) A1

(21) PCT/IL98/00544

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 122183 (32) **12 Nov/nov 1997 (12.11.1997)** (33) IL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 7/18**

(54) • COMPOSITE MOVIE GENERATING CAMERA ASSEMBLY AND METHOD
• CAMERA DE CINEMA A CHAMPS COMPOSITES ET PROCEDE Y RELATIF

(71, 72) **BANITT, Shmuel** [IL/IL]; P.O. Box 1505, 40293 Beit Yanai (IL).

(72, 75) **SHOR, Daniel** [IL/IL]; Mapu Street 4/6, 63577 Tel Aviv (IL).

(74) **LUZZATTO, Kfir** et al. / etc.; Luzzatto & Luzzatto, P.O. Box 5352, 84152 Beer–Sheva (IL).

(81) JP US.

Published / Publiée : *(c)*

---

(11) **WO 99/25121** (13) A1

(21) PCT/US98/22903

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 60/064,391 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 7/30, 7/26**

(54) • METHOD FOR COMPRESSING AND DECOMPRESSING MOTION VIDEO
• PROCEDE DE COMPRESSION ET DE DECOMPRESSION D'IMAGES VIDEO ANIMEES

(71) **PIPE DREAM, INC.** [–/US]; Suite 805, 1555 Palm Beach Lakes Boulevard, West Palm Beach, FL 33401 (US).

(72) **WESTWATER, Raymond, John**; 475 Wall Street, Princeton, NJ 08540 (US).

(74) **FRIEDLAND, Norman**; Suite 400, 11300 US Highway One, North Palm Beach, FL 33408 (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).

---

(11) **WO 99/25122** (13) A2

(21) PCT/IB98/01541

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 97402681.7 (32) **7 Nov/nov 1997 (07.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 7/34**

(54) • CODING A SEQUENCE OF PICTURES
• CODAGE D'UNE SEQUENCE D'IMAGES

(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) **DOUX, Anne–Claude**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **DEN BRABER, Gerard, Paul**; Internationaal Octrooibureau, P.O. Box 220, NL–5600 AE Eindhoven (NL).

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

---

(11) **WO 99/25123** (13) A1

(21) PCT/JP98/05018

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) ja (26) ja

(31) 9/308236 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 9/07, 9/67**

(54) • COLOR SIGNAL PROCESSING CIRCUIT

- CIRCUIT DE TRAITEMENT DES SIGNAUX DE COULEUR

(71) **SANYO ELECTRIC CO., LTD.** [JP/JP]; 5–5, Keihanhondori 2–chome, Moriguchi–shi, Osaka 570–8677 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **UKITA, Shinji** [JP/JP]; 3–302, Hagiwara-dai–nishi, Kawanishi–shi, Hyogo 666–0134 (JP).

(74) **YAMADA, Yoshito**; The Tanabe Building, 6–6, Fushimimachi 2–chome, Chuo–ku, Osaka–shi, Osaka 541–0044 (JP).

(81) CN JP KR US; EP (DE FR GB).

---

(11) **WO 99/25124** (13) A2

(21) PCT/IB98/01546

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 08/967,974 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04N 9/64**

(54)
- APPARATUS AND METHOD FOR USING A TELEVISION SET WITH A PERSONAL COMPUTER
- APPAREIL ET PROCEDE POUR UTILISER UN POSTE DE TELEVISION AVEC UN ORDINATEUR PERSONNEL

(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) **MORRIS, Charles, F.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **LYDON, Gregory, T.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **REHA, Mark, Keith**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **GROENENDAAL, Antonius, W., M.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

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

---

(11) **WO 99/25125** (13) A2

(21) PCT/FI98/00797

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

(25) en (26) en

(31) 974200 (32) **11 Nov/nov 1997 (11.11.1997)** (33) FI

(31) 974290 (32) **21 Nov/nov 1997 (21.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q**

(54)
- PACKET RADIO TELEPHONE SERVICES
- SERVICES RADIOTELEPHONIQUES EN MODE PAQUET

(71) **NOKIA MOBILE PHONES LTD.** [FI/FI]; Keilalahdentie 4, FIN–2150 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OKSALA, Jarkko** [FI/FI]; Näyttelijänkatu 21 A, FIN–33720 Tampere (FI).

(74) **JOHANSSON, Folke**; Nokia Mobile Phones Ltd., P.O. Box 100, FIN–00045 Nokia Group (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25126** (13) A1

(21) PCT/US98/22892

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) en (26) en

(31) 08/966,330 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 1/00, 7/00, 7/06, 7/14, H04B 7/00, 1/38, G06F 15/20**

(54)
- SELECTIVE CALL MESSAGE DISPLAY FORMAT CONTROL
- FORMATAGE DE MESSAGES D'APPELS SELECTIFS

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **MORSE, Gary, James**; 5599 Coastal Drive, Boca Raton, FL 33487 (US). **NELMS, Robert, Nathan**; 7236 Burgess Drive, Lake Worth, FL 33467 (US).

(74) **NICHOLS, Daniel, K.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1500 Gateway Boulevard/MS96, Boynton Beach, FL 33426 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/25127** (13) A1

(21) PCT/US98/22884

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/966,044 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 1/06, H02G 3/04**

(54)
- OVERHEAD CABLING SYSTEM FOR TELECOMMUNICATION SWITCHING CENTER
- SYSTEME DE CABLES AERIENS POUR CENTRE DE COMMUTATION EN TELECOMMUNICATION

(71) **ERICSSON, INC.** [US/US]; P.O. Box 13969, Research Triangle Park, NC 27709–3969 (US).

(72) **SNIDER, Randle, Jr.**; 1513 Vera Cruz, Plano, TX 75074 (US). **WESTER, Stephen, L.**; 423 Woodhollow, Wylie, TX 75098 (US). **THORNE, Richard, L.**; Apartment 8102, 4350 Trinity Mills Road, Dallas, TX 75287 (US).

(74) **BENNETT, David, E.** et al. / etc.; Rhodes, Coats & Bennett, LLP, P.O. Box 5, Raleigh, NC 27602 (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/25128** (13) A2

(21) PCT/EP98/07146

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) de (26) de

(31) 97119662.1 (32) **10 Nov/nov 1997 (10.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 3/00**

(54)
- SIGNALLING POINT OF A SIGNALLING NETWORK
- POINT DE SIGNALISATION D'UN RESEAU 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).

(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).

---

(11) **WO 99/25129** (13) A1

(21) PCT/EP98/07217

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 97203489.6 (32) **10 Nov/nov 1997 (10.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 3/00, H04L 29/12**

(54)
- A METHOD OF AND AN ARRANGEMENT FOR PROVIDING TELECOMMUNICATIONS SERVICE TO A USER IN A DATA NETWORK
- PROCEDE ET ARCHITECTURE PERMETTANT DE FOURNIR UN SERVICE DE TELECOMMUNICATION A UN UTILISATEUR DANS UN RESEAU DE DONNEES

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KLOSTERMANN, Lucas** [NL/NL]; Mgr. Frenckenstraat 26B, NL–4812 CG Breda (NL).

(74) **VAN KAN, J., J., H.**; Algemeen Octrooibureau, World Trade Center, Pastoor Petersstraat 160, NL–5612 LV Eindhoven (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

Published / Publiée : *(c)*

(11) **WO 99/25130** (13) A1

(21) PCT/US98/23175

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/964,599 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 3/00**

(54) • INTELLIGENT SIGNALLING TRANSFER POINT (STP)
• POINT DE TRANSFERT SEMAPHORE (PTS) EVOLUE

(71) **ALCATEL USA SOURCING, L.P.** [US/US]; 1000 Coit Road, Plano, TX 75075 (US).

(72) **RATHNASABAPATHY, Rajan**; 2021 Liverpool Drive, Plano, TX 75025 (US). **COOK, Russell, R.**; 710 Torrey Pines Lane, Garland, TX 75044 (US).

(74) **FISH, Charles, S.**; 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25131** (13) A1

(21) PCT/US98/23680

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,556 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 3/00, 7/22, 3/72**

(54) • CALLING PARTY NAME DELIVERY TO DIGITAL PHONE SUBSCRIBER
• AFFICHAGE DU NOM D'UN APPELANT POUR L'ABONNE D'UN TELEPHONE NUMERIQUE

(71) **ERICSSON, INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **SIDDIQUI, Aqeel, Ahmed**; 610–C Tejas Trail, Richardson, TX 75081 (US).

(74) **BACON, Jeffery, E.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25132** (13) A1

(21) PCT/US98/23571

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,382 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 08/994,211 (32) **19 Dec/déc 1997 (19.12.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 3/62, H04M 1/00**

(54) • METHOD AND APPARATUS FOR INTERFACING ANALOG TELEPHONE APPARATUS TO A DIGITAL, ANALOG OR HYBRID TELEPHONE SWITCHING SYSTEM
• PROCEDE ET DISPOSITIF D'INTERFACE D'UN POSTE TELEPHONIQUE ANALOGIQUE AVEC UN SYSTEME DE COMMUTATION TELEPHONIQUE NUMERIQUE, ANALOGIQUE, OU HYBRIDE

(71) **HELLO DIRECT, INC.** [US/US]; 5893 Rue Ferrari, San Jose, CA 95138 (US).

(72) **STELMAN, Bruce, W.**; 7448 Tulare Hills Drive, San Jose, CA 95139 (US).

(74) **HAVERSTOCK, Thomas, B.** et al. / etc.; Haverstock & Owens LLP, Suite 420, 260 Sheridan Avenue, Palo Alto, CA 94306 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/25133** (13) A1

(21) PCT/US98/23645

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 60/064,382 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(31) 08/994,212 (32) **19 Dec/déc 1997 (19.12.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 3/62, H04M 1/00**

(54) • METHOD AND APPARATUS FOR INTERFACING ANALOG TELEPHONE APPARATUS TO A DIGITAL, ANALOG OR HYBRID TELEPHONE SWITCHING SYSTEM
• PROCEDE ET APPAREIL POUR ASSURER L'INTERFACE ENTRE UN APPAREIL TELEPHONIQUE ANALOGIQUE ET UN SYSTEME DE COMMUTATION TELEPHONIQUE NUMERIQUE, ANALOGIQUE, OU HYBRIDE

(71) **HELLO DIRECT, INC.** [US/US]; 5893 Rue Ferrari, San Jose, CA 95138 (US).

(72) **STELMAN, Bruce, W.**; 7448 Tulare Hills Drive, San Jose, CA 95139 (US).

(74) **HAVERSTOCK, Thomas, B.** et al. / etc.; Haverstock & Owens LLP, Suite 420, 260 Sheridan Avenue, Palo Alto, CA 94306 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/25134** (13) A1

(21) PCT/FR98/02365

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) fr (26) fr

(31) 97/14037 (32) **7 Nov/nov 1997 (07.11.1997)** (33) FR

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/14**

(54) • ONE–WAY MESSAGING RECEIVER
• RECEPTEUR DE RADIO–MESSAGERIE UNILATERALE

(71) **INVENTEL SYSTEMES** [FR/FR]; 35, rue Tournefort, F–75005 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **LEWINER, Jacques** [FR/FR]; 7, avenue de Suresnes, F–92210 Saint–Cloud (FR). **CARREEL, Eric** [FR/FR]; 9, rue du Général Gouraud, F–92190 Meudon (FR).

(72, 75) **DEBREUIL, Xavier** [FR/FR]; 19, rue Guyton de Morveau, F–75013 Paris (FR). **DEGUET, Bruno** [FR/FR]; 31, rue Bernard Palissy, F–77210 Avon (FR). **LUCAES, Jérôme** [FR/FR]; 18, rue Dugommier, F–75012 Paris (FR). **THEPAUT, Frédéric** [FR/FR]; 37, rue de Wattignies, F–75005 Paris (FR).

(74) **BURBAUD, Eric** et al. / etc.; Cabinet Plasseraud, 84, rue d'Amsterdam, F–75440 Paris Cedex 09 (FR).

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

---

(11) **WO 99/25135** (13) A2

(21) PCT/EP98/07041

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) de (26) de

(31) 197 48 681.9 (32) **4 Nov/nov 1997 (04.11.1997)** (33) DE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/20**

(54) • METHOD AND DEVICE FOR TRANSMITTING DATA USING MOBILE DATA TRANSMISSION DEVICES
• PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES A L'AIDE DE DISPOSITIFS DE TRANSMISSION DE DONNEES MOBILES

(71) **INNOTECH GMBH** [DE/DE]; Glasweg 9, D–73655 Walkersbach (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAUG, Martin** [DE/DE]; Rückertstrasse 70, D–73054 Eislingen (DE). **KÖHLER, Michael** [DE/DE]; Glasweg 14, D–73655 Walkersbach (DE).

(74) **LEHMANN, Klaus**; Wolfratshauser Strasse 145, D–81479 München (DE) 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25136** (13) A1

(21) PCT/US98/22415

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) en (26) en

(31) 08/969,118 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/20, 3/64, H04M 1/64, 3/42**

(54) • REAL–TIME INTERACTIVE DIRECTORY
• REPERTOIRE INTERACTIF EN TEMPS REEL

(71) **GENESYS TELECOMMUNICATIONS LABORATORIES, INC.** [US/US]; 11th floor, 1155 Market Street, San Francisco, CA 94103 (US).

(72) **PICKERING, Richard, B.**; 438 Palma Street, El Granada, CA 94108–2725 (US).

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

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

---

(11) **WO 99/25137** (13) A1

(21) PCT/US98/23446

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) en (26) en

(31) 08/965,828 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/22**

(54) • NEIGHBOR SCANNING IN A CELLULAR RADIOTELEPHONE SYSTEM
• BALAYAGE DES CANAUX VOISINS DANS UN SYSTEME DE RADIOTELEPHONES CELLULAIRES

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(72) **LOSH, Jason, Haines**; 1109 Montreau Court, Arlington, TX 76012 (US).

(74) **TERRY, L., Bruce** et al. / etc.; Motorola Inc., Intellectual Property Dept., 5401 North Beach Street/E230, Fort Worth, TX 76137 (US).

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

Published / Publiée : *(c)*

---

(11) **WO 99/25138** (13) A1

(21) PCT/SE98/01932

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) en (26) en

(31) 9704126–3 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/26, 7/38, 7/24**

(54) • DEVICE, NETWORK AND METHODS RELATING TO CORDLESS TELECOMMUNICATION
• DISPOSITIF, RESEAU ET PROCEDES SE RAPPORTANT AUX TELECOMMUNICATIONS SANS FIL

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **ISRAELSSON, Martin**; Mjölnarstigen 15, S–163 41 Spånga (SE).

(74) **ERICSSON TELECOM AB**; IPR Management & Patent Dept., S–126 25 Stockholm (SE).

(81) AU CN NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25139** (13) A1

(21) PCT/SE98/01933

(22) **27 Oct/oct 1998 (27.10.1998)**

(25) en (26) en

(31) 9704127–1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/26, 7/38, 7/24**

(54) • DEVICE, NETWORK AND METHODS CONCERNING CORDLESS TELECOMMUNICATION
• DISPOSITIF, RESEAU ET PROCEDES RELATIFS A LA TELECOMMUNICATION SANS FIL

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **ISRAELSSON, Martin**; Mjölnarstigen 15, S–163 41 Spånga (SE).

(74) **ERICSSON TELECOM AB**; IPR Management & Patent Dept., S–126 25 Stockholm (SE).

(81) AU CN NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25140** (13) A1

(21) PCT/CH97/00425

(22) **7 Nov/nov 1997 (07.11.1997)**

(25) de (26) de

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/32, G07F 7/00**

(54) • IDENTIFICATION CARD AND IDENTIFICATION PROCEDURE
• CARTE D'IDENTIFICATION ET PROCEDE D'IDENTIFICATION

(71) **SWISSCOM AG** [CH/CH]; Viktoriastrasse 21, CH–3030 Bern (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RITTER, Rudolf** [CH/CH]; Rossweidweg 8, CH–3052 Zollikofen (CH). **HEUTSCHI, Walter** [CH/CH]; Jungfrauweg 8, CH–3303 Jegensdorf (CH).

(74) **BOVARD AG**; Optingenstrasse 16, CH–3000 Bern 25 (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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 KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH 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)*

---

(11) **WO 99/25141** (13) A1

(21) PCT/EP98/07207

(22) **5 Nov/nov 1998 (05.11.1998)**

(25) en (26) en

(31) 08/965,670 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/32**

(54) • INTELLIGENT SERVICE INTERFACE AND MESSAGING PROTOCOL FOR COUPLING A MOBILE STATION TO PERIPHERAL DEVICES
• INTERFACE DE SERVICE INTELLIGENTE ET PROTOCOLE DE MESSAGERIE SERVANT A COUPLER UNE STATION MOBILE A DES UNITES PERIPHERIQUES

(71) **NOKIA MOBILE PHONES LIMITED** [FI/FI]; Keilalahdentie 4, FIN–02140 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VEIJOLA, Mia** [FI/FI]; Supinkatu 8 as 10, FIN–24100 Salo (FI). **ALANIEMI, Aimo** [FI/FI]; Tervakukkatie 23 B 11, FIN–90580 Oulu (FI). **TURNER, Andrew** [GB/GB]; Camberley Towers, Flat 10, Upper Gordon Road, Camberley, Surrey GU15 2HP (GB).

(74) **FRAIN, Timothy, John** et al. / etc.; Nokia IPR Dept., Nokia House, Summit Avenue, Farnborough, Hampshire GU14 0NZ (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/25142** (13) A2

(21) PCT/FI98/00855

(22) **4 Nov/nov 1998 (04.11.1998)**

(25) fi (26) en

(31) 974149 (32) **5 Nov/nov 1997 (05.11.1997)** (33) FI

(31) 980616 (32) **19 Mar/mar 1998 (19.03.1998)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/36**

(54) • METHOD OF IMPROVING QUALITY OF RADIO CONNECTION
• PROCEDE D'AMELIORATION DE LA QUALITE DES CONNEXIONS RADIO

(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) **KATZ, Marcos** [AR/FI]; Aleksanterinkatu 15 A 7, 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) 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 IS JP KE KG KP KR KZ 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).

(11) **WO 99/25143** (13) A1

(21) PCT/US98/23853

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 08/968,933 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/36**

(54) • METHOD AND APPARATUS FOR INCREASING TRAFFIC CHANNELS WITHIN AN AMPS/IS–136 CELLULAR SYSTEM
• PROCEDE ET APPAREIL D'AUGMENTATION DES CANAUX DE TRAFIC DANS UN SYSTEME CELLULAIRE AMPS/IS–136

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **RAMESH, Rajaram**; 403 Danton Drive, Cary, NC 27511 (US). **BALACHANDRAN, Kumar**; 302 Ravenstone Drive, Cary, NC 27511 (US).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25144** (13) A2

(21) PCT/FI98/00875

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 974196 (32) **11 Nov/nov 1997 (11.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/38**

(54) • METHOD FOR LOCATING MOBILE STATION IN DISTRIBUTED MANNER
• PROCEDE PERMETTANT LA LOCALISATION REPARTIE D'UNE STATION MOBILE

(71) **NOKIA MOBILE PHONES LTD.** [FI/FI]; Keilalahdentie 4, FIN–02150 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RUUTU, Ville** [FI/FI]; Uudenkaupungintie 5 B 17, FIN–00350 Helsinki (FI). **RANTALAINEN, Timo** [FI/FI]; Meripuistotie 4 A 7, FIN–00200 Helsinki (FI). **ALANEN, Marko** [FI/FI]; Satamakatu 6 B 22, FIN–33200 Tampere (FI). **HYVÄRINEN, Olli** [FI/FI]; Vesakonkatu 33, FIN–33820 Tampere (FI). **GUNNARSSON, Gudni** [FI/FI]; Kalevan puistotie 19 C 111, FIN–33500 Tampere (FI). **VILPPULA, Matti** [FI/FI]; Koivutie 16 B 6, FIN–33960 Pirkkala (FI). **SAVU, Maiana** [FI/FI]; Ylioppilaankatu 1 A 9, FIN–33720 Tampere (FI).

(74) **BERGGREN OY AB**; P.O. Box 16, FIN–00101 Helsinki (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25145** (13) A1

(21) PCT/SE98/01990

(22) **3 Nov/nov 1998 (03.11.1998)**

(25) en (26) en

(31) 9704085–1 (32) **7 Nov/nov 1997 (07.11.1997)** (33) SE

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/38**

(54) • METHOD AND DEVICE IN A MOBILE STATION
• DISPOSITIF POUR STATION MOBILE ET SON PROCEDE D'UTILISATION

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S–126 25 Stockholm (SE).

(72) **BODIN, Stig, Roland**; Gribbyvägen 55, S–163 59 Spånga (SE).

(74) **FORSSELL, Gunilla** et al. / etc.; Albihns Patentbyrå Stockholm AB, P.O. Box 5581, S–114 85 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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB 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)*

---

(11) **WO 99/25146** (13) A1

(21) PCT/US98/23685

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/965,920 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 7/38**

(54) • HANDOVER BETWEEN FIXED AND MOBILE NETWORKS FOR DUAL MODE PHONES
• TRANSFERT ENTRE DES RESEAUX FIXES ET MOBILES POUR DES POSTES TELEPHONIQUES A DOUBLE MODE

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **OSTLING, Ralph**; 1411 Stonecrest Drive, Richardson, TX 75081 (US).

(74) **BACON, Jeffery, E.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25147** (13) A2

(21) PCT/FI98/00872

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 974216 (32) **12 Nov/nov 1997 (12.11.1997)** (33) FI

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 11/04**

(54) • A FRAME DISCARD MECHANISM FOR PACKET SWITCHES
• MECANISME D'ABANDON DE TRAMES DESTINE AUX COMMUTATEURS PAR PAQUETS

(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) **MA, Jian** [FI/FI]; Pihlajamarjantie 13–15 C1, FIN–02940 Espoo (FI).

(74) **PATENT AGENCY COMPATENT LTD.**; Teollisuuskatu 33, P.O. Box 156, FIN–00511 Helsinki (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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN 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).

---

(11) **WO 99/25148** (13) A2

(21) PCT/NO98/00298

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 19975152 (32) **10 Nov/nov 1997 (10.11.1997)** (33) NO

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04Q 11/04**

(54) • METHOD FOR CONTROLLING THE TRAFFIC IN AN ATM NETWORK SO AS TO MAINTAIN THE QUALITY OF SERVICE
• PROCEDE DE GESTION DU TRAFIC DANS UN RESEAU MTA VISANT A MAINTENIR LA QUALITE DE SERVICE

(71) **TELEFONAKTIEBOLAGET LM ERICSSON** [SE/SE]; S–126 25 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CORNELIUSSEN, Knut, Snorre, Bach** [NO/NO]; Hegdehaugsveien 35, N–0352 Oslo (NO).

(74) **OSLO PATENTKONTOR AS**; Postboks 7007 M, N–0306 Oslo (NO).

(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 IS JP KE KG KP KR KZ 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).

---

(11) **WO 99/25149** (13) A2

(21) PCT/IT98/00310

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) BO97A000658 (32) **6 Nov/nov 1997 (06.11.1997)** (33) IT

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04R**

(54) • MOVING–COIL LOUDSPEAKER
• HAUT–PARLEUR A BOBINE MOBILE

(71) **MACKLAINE DI FRANCESCO DI SUMMA E C. S.N.C.** [IT/IT]; Via Mentana, 69, I–48022 Lugo (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DI SUMMA, Francesco** [IT/IT]; Via Mentana, 68, I–48022 Lugo (IT).

(74) **JORIO, Paolo** et al. / etc.; Studio Torta S.r.l., Via Viotti, 9, I–10121 Torino (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/25150** (13) A1

(21) PCT/IB98/01646

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 97203441.7 (32) **7 Nov/nov 1997 (07.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04R 3/04, H03G 5/18, 11/00**

(54) • AUDIO SYSTEM COMPRISING AUDIO SIGNAL PROCESSING CIRCUIT
• ENSEMBLE HAUTE FIDELITE COMPRENANT UN CIRCUIT DE TRAITEMENT DU SIGNAL SON

(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, Ronaldus, Maria**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **GROENENDAAL, Antonius, W., M.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25151** (13) A1

(21) PCT/IB98/01648

(22) **19 Oct/oct 1998 (19.10.1998)**

(25) en (26) en

(31) 97203440.9 (32) **7 Nov/nov 1997 (07.11.1997)** (33) EP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04R 3/04, H03G 5/18, 11/00**

(54) • AUDIO SYSTEM COMPRISING AUDIO SIGNAL PROCESSING CIRCUIT
• ENSEMBLE HAUTE FIDELITE COMPRENANT UN CIRCUIT DE TRAITEMENT DU SIGNAL SON

(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, Ronaldus, Maria**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **GROENENDAAL, Antonius, W., M.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25152** (13) A2

(21) PCT/US98/23687

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,940 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04R 5/00**

(54) • INTERACTIVE DEVICES AND METHODS
• DISPOSITIFS INTERACTIFS ET PROCEDES ASSOCIES

(71) **VIA, INC.** [US/US]; 11 Bridge Square, Northfield, MN 55057 (US).

(72) **CARROLL, David, W.**; 11 Bridge Square, Northfield, MN 55057 (US). **CARROLL, Wendell, L.**; 11 Bridge Square, Northfield, MN 55057 (US). **CARROLL, James, L.**; 11 Bridge Square, Northfield, MN 55057 (US). **CASE, Steven, V.**; 11 Bridge Square, Northfield, MN 55057 (US). **RUST, Matthew, H.**; 11 Bridge Square, Northfield, MN 55057 (US).

(74) **HIENZ, William, M., III** et al. / etc.; Patterson & Keough, P.A., 4800 IDS Center, 80 South 8th Street, Minneapolis, MN 55402–2100 (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).

---

(11) **WO 99/25153** (13) A1

(21) PCT/US98/23176

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/966,401 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H04R 25/00**

(54) • SOUND RECORDING AND PLAYBACK SYSTEM
• SYSTEME D'ENREGISTREMENT ET DE REPRODUCTION SONORE

(71) **SONIC BITES, LLC** [US/US]; Suite 10, 100 Galli Drive, Novato, CA 94949 (US).

(72) **FILO, Andrew, S.**; 22670 Oak Crest Court, Cupertino, CA 95014 (US). **CAPPER, David, G.**; Suite 10, 100 Galli Drive, Novato, CA 94949 (US).

(74) **FANNING, David, A.**; Kolisch, Hartwell, Dickinson, McCormack & Heuser, Suite 200, 520 S.W. Yamhill Street, Portland, OR 97204 (US).

(81) 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 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).

Published / Publiée : *(c)*

---

(11) **WO 99/25154** (13) A1

(21) PCT/US98/23870

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 08/964,385 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05B 3/14, 3/28**

(54) • QUARTZ SUBSTRATE HEATER
• DISPOSITIF DE CHAUFFAGE A QUARTZ

(71) **WATLOW ELECTRIC MANUFACTURING COMPANY** [US/US]; 12001 Lackland, Saint Louis, MO 63146–4039 (US).

(72) **STEINHAUSER, Louis, P.**; 2448 Cripple Creek, Saint Louis, MO 63129 (US). **PTASIENSKI, Kevin**; 2728 Beverly Drive, Maryland Heights, MO 63043 (US). **LAKE, Robin, H.**; 224 St. Mary's, Ballwin, MO 63021 (US). **LANHAM, Christopher, C.**; 202 Towerwood Drive, O'Fallon, MO 63366 (US). **KREISEL, James, H.**; 68 White Oak Court, Winona, MN 55987 (US).

(74) **ROSENBERG, Matthew, A.** et al. / etc.; Herzog, Crebs & McGhee, LLP, Suite 2400, 515 N. Sixth Street, Saint Louis, MO 63101–2409 (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 : *(c)*

---

(11) **WO 99/25155** (13) A1

(21) PCT/US98/23091

(22) **30 Oct/oct 1998 (30.10.1998)**

(25) en (26) en

(31) 08/963,100 (32) **3 Nov/nov 1997 (03.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05B 3/34**

(54) • OUTDOOR ELECTRIC PERSONAL HEATING SYSTEM
• SYSTEME DE CHAUFFAGE ELECTRIQUE EXTERIEUR INDIVIDUEL

(71) **THERMO GEAR, INC.** [US/US]; 18005 Lower Boones Ferry Road, Tigard, OR 97224 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CAMPF, Melvin** [US/US]; 2316 Palisades Crest Drive, Lake Oswego, OR 97034 (US).

(74) **HARRINGTON, Robert, L.**; The Promenade Building, Suite 220, 421 High Street, Oregon City, OR 97045 (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).

Published / Publiée : *(c)*

---

(11) **WO 99/25156** (13) A1

(21) PCT/US98/24113

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) en (26) en

(31) 08/969,040 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(31) 08/969,112 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05B 6/80**

(54) • MICROWAVE BEVERAGE MAKER APPARATUS AND METHOD
• APPAREIL ET PROCEDE DE PREPARATION DE BOISSONS AU MICRO–ONDES

(71) **NATIONAL PRESTO INDUSTRIES, INC.** [US/US]; 3925 North Hastings Way, Eau Claire, WI 54703–3703 (US). **KELLY, Roger, L.** [US/US]; 3810 Forest Heights Drive, Eau Claire, WI 54701 (US).

(72) **HARTMAN, Gary, J.**; 17120 95th Avenue, Chippewa Falls, WI 54729 (US). **COMERFORD, John, A.**; 3435 Fairfax Street, Eau Claire, WI 54701 (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) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25157** (13) A1

(21) PCT/JP98/03036

(22) **6 Jul/juil 1998 (06.07.1998)**

(25) ja (26) ja

(31) 9/310298 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05B 33/04, 33/22**

(54) • ELECTROLUMINESCENT LIGHT AND STRUCTURE FOR SHIELDING THE SAME
• DISPOSITIF ELECTROLUMINESCENT ET STRUCTURE DESTINEE AU BLINDAGE DE CELUI–CI

(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) **INUBUSHI, Toshiya** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2–3, Marunouchi 2–chome, Chiyoda–ku, Tokyo 100–8310 (JP). **INOUE, Tsutomu** [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) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

---

(11) **WO 99/25158** (13) A1

(21) PCT/IB98/01670

(22) **21 Oct/oct 1998 (21.10.1998)**

(25) en (26) en

(31) 08/967,680 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05B 41/16, 41/18, H01J 61/56, 61/20, 61/24**

(54) • CIRCUIT ARRANGEMENT
• AGENCEMENT DE CIRCUIT

(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) **GRADZKI, Pawel**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **BÖKE, Ulrich**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **RAETS, Hubert**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **WIJNTJENS, Johannes, A., A.**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **BOSMA, Rudolphus, H., A.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

(81) CA CN 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)*

---

(11) **WO 99/25159** (13) A1

(21) PCT/IB98/01743

(22) **2 Nov/nov 1998 (02.11.1998)**

(25) en (26) en

(31) 08/964,102 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05B 41/29**

(54) • PARALLEL–STORAGE SERIES–DRIVE ELECTRONIC BALLAST
• BALLAST ELECTRONIQUE PRESENTANT UN BRANCHEMENT EN SERIE ET EN PARALLELE

(71) **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02139 (US).

(71) **PHILIPS AB** [SE/ES]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **SHEN, Eric, Bertrand**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). **SCHLECHT, Martin, Frederick**; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) **EVERS, Johannes, H., M.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL–5600 AE Eindhoven (NL).

(81) CA CN 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)*

---

(11) **WO 99/25160** (13) A1

(21) PCT/US98/22904

(22) **28 Oct/oct 1998 (28.10.1998)**

(25) en (26) en

(31) 08/966,638 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05F 03/06**

(54) • METHOD AND APPARATUS FOR AIR IONIZATION
• PROCEDE ET DISPOSITIF POUR L'IONISATION DE L'AIR

(71) **ION SYSTEMS, INC.** [US/US]; 1005 Parker Street, Berkeley, CA 94710 (US).

(72) **PITEL, Ira, J.**; 16 Fox Hollow Road, Morristown, NJ 07960 (US). **BLITSHTEYN, Mark**; 120 South Road, New Hartford, CT 06057 (US). **GEFTER, Petr**; 3915 Irving Street #1, San Francisco, CA 94122 (US).

(74) **SMITH, Albert, C.** et al. / etc.; Fenwick & West LLP, Two Palo Alto Square, 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 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV 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).

---

(11) **WO 99/25161** (13) A2

(21) PCT/RU98/00322

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 97118582 (32) **11 Nov/nov 1997 (11.11.1997)** (33) RU

(31) 08/995,715 (32) **22 Dec/déc 1997 (22.12.1997)** (33) US

(31) 97–354502 (32) **24 Dec/déc 1997 (24.12.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K**

(54) • METHODS FOR FORMING/RECORDING IMAGE AND DEVICES FOR SAME
• PROCEDES DE FORMATION/ENREGISTREMENT D'UNE IMAGE ET DISPOSITIFS S'Y RAPPORTANT

(71, 72) **IVANOV, Anatoly** [RU/RU]; Sukhanova, 6–7, Vladivostok, 690091 (RU).

(74) **ZVONAREV, Mikhail**; Pushkinskaya, 37, DVGTU, Vladivostok, 690001 (RU).

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

---

(11) **WO 99/25162** (13) A1

(21) PCT/NL98/00656

(22) **12 Nov/nov 1998 (12.11.1998)**

(25) nl (26) en

(31) 1007526 (32) **12 Nov/nov 1997 (12.11.1997)** (33) NL

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K 3/30, 5/00**

(54) • AN INJECTION–MOULDABLE CONNECTING ELEMENT
• ELEMENT DE RACCORDEMENT POUVANT ETRE MOULE PAR INJECTION

(71, 72) **VIJSMA, Vincent, André** [NL/NL]; O.Z. Voorburgwal 11C, NL–1012 EH Amsterdam (NL).

(74) **HOOIVELD, Arjen, Jan, Winfried** et al. / etc.; Arnold & Siedsma, Postbus 71720, NL–1008 DE Amsterdam (NL).

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

---

(11) **WO 99/25163** (13) A1

(21) PCT/US98/23862

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) en (26) en

(31) 08/967,577 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K 3/36, 1/14**

(54) • MODULAR CIRCUIT BOARD CONSTRUCTION AND METHOD OF PRODUCING THE SAME
• ENSEMBLE DE PLAQUETTES DE CIRCUIT MODULAIRES ET LEUR PROCEDE DE PRODUCTION

(71) **CATERPILLAR INC.** [US/US]; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

(72) **EARLESON, Walter, E.**; 450 Stoneway, Morton, IL 61550–1175 (US). **GOTTSHALL, Paul, C.**; 26333 Liberty Lane, Washington, IL 61571–9627 (US). **MCGEE, Brian, G.**; 3827 E. Rome West Road, Chillicothe, IL 61523–9217 (US). **YOUNG, Paul, M.**; 3425 N. Missouri Avenue, Peoria, IL 61603–1115 (US).

(74) **WILBUR, R., Carl** et al. / etc.; 100 N.E. Adams Street, Peoria, IL 61629–6490 (US).

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

---

(11) **WO 99/25164** (13) A1

(21) PCT/US98/22378

(22) **22 Oct/oct 1998 (22.10.1998)**

(25) en (26) en

(31) 08/968,407 (32) **12 Nov/nov 1997 (12.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K 7/14**

(54) • SEALING SYSTEM AND METHOD FOR SEALING CIRCUIT CARD CONNECTION SITES
• PROCEDE ET SYSTEME D'ETANCHEITE POUR RENDRE ETANCHES DES SITES DE CONNEXION DE CARTES IMPRIMEES

(71) **ERICSSON INC.** [US/US]; 7001 Developmemt Drive, Research Triangle Park, NC 27709 (US).

(72) **NEALIS, Edwin, J.**; 106 Trackers Road, Cary, NC 27513 (US).

(74) **MONCO, Dean, A.**; Wood, Phillips, VanSanten, Clark & Mortimer, Suite 3800, 500 W. Madison Street, Chicago, IL 60661–2511 (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).

---

(11) **WO 99/25165** (13) A2

(21) PCT/US98/23840

(22) **6 Nov/nov 1998 (06.11.1998)**

(25) en (26) en

(31) 60/064,410 (32) **6 Nov/nov 1997 (06.11.1997)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K 7/20**

(54) • MODULAR AND MULTIFUNCTIONAL STRUCTURE
• STRUCTURE MODULAIRE POLYVALENTE

(71) **LOCKHEED MARTIN CORPORATION** [US/US]; 6801 Rockledge Drive, Bethesda, MD 20817 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BARNETT, David, M.** [US/US]; 7603 South Estes Court, Littleton, CO 80123 (US). **RAWAL, Suraj, P.** [US/US]; 6391 South Saulsbury Street, Littleton, CO 80123 (US). **MORGENTHALER, Daniel, R.** [US/US]; P.O. Box 3099, Littleton, CO 80161 (US). **HARRIS, Edward, N.** [US/US]; Apartment 7–304, 3400 South Lowell Boulevard, Denver, CO 80236 (US).

(74) **KULISH, Christopher, J.** 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 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).

---

(11) **WO 99/25166** (13) A1

(21) PCT/JP98/01813

(22) **20 Apr/avr 1998 (20.04.1998)**

(25) ja (26) ja

(31) 9/310832 (32) **12 Nov/nov 1997 (12.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K 9/00**

(54) • RADIO WAVE ABSORBING MATERIALS, RADIO WAVE ABSORBER, AND RADIO WAVE ANECHOIC CHAMBER AND THE LIKE MADE BY USING THE SAME
• MATIERES ABSORBANT LES ONDES RADIOELECTRIQUES, ABSORBEUR D'ONDES RADIOELECTRIQUES ET CHAMBRE ANECHOIQUE AUX ONDES RADIOELECTRIQUES ET ANALOGUE PRODUITE AU MOYEN DE CEUX–CI

(71) **OTSUKA CHEMICAL CO., LTD.** [JP/JP]; 2–27, Otedori 3–chome, Chuo–ku, Osaka–shi, Osaka 540–0021 (JP). **FUJI KASEI KOGYO CO., LTD.** [JP/JP]; 1241–1, Odono, Kishimoto–cho, Saihaku–gun, Tottori 689–4121 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKAO, Toshinori** [JP/JP]; 900–1, Oaza–Nakashima, Nakagawa–cho, Naka–gun, Tokushima 779–1245 (JP). **SUZUE, Masayoshi** [JP/JP]; 6–9, Kitatamiya 3–chome, Tokushima–shi, Tokushima 770–0003 (JP). **TAKANISHI, Kohei** [JP/JP]; 677, Kuzumo, Yonago–shi, Tottori 683–0006 (JP). **INOUE, Masayuki** [JP/JP]; 60–11, Wada–cho, Yonago–shi, Tottori 683–0102 (JP). **MORI, Kazuhiko** [JP/JP]; 3–2, Shimozato 3–chome, Higashikurume–shi, Tokyo 203–0043 (JP).

(74) **KAMEI, Hirokatsu**; AI Association of Patent and Trademark Attorneys, Jyutakukinyukoko–Sumitomoseimei Building, 12th floor, 5–20, Minamihommachi 4–chome, Chuo–ku, Osaka–shi, Osaka 541–0054 (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).

---

(11) **WO 99/25167** (13) A1

(21) PCT/GB98/03348

(22) **11 Nov/nov 1998 (11.11.1998)**

(25) en (26) en

(31) 9723673.1 (32) **11 Nov/nov 1997 (11.11.1997)** (33) GB

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K 13/00**

(54) • A DEVICE FOR HOLDING A PRINTED CIRCUIT BOARD

- DISPOSITIF DE SUPPORT POUR CARTE A CIRCUIT IMPRIME

(71) **MATRIX TEST LIMITED** [GB/GB]; Fountain Court, 68 Fountain Street, Manchester M2 2FB (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VINSON, Neal, William** [US/US]; 138 Summerside Circle, Danville, CA 94526 (US). **AGNEW, Robin, Glenn** [GB/GB]; 14 Chelworth Manor, 37 Manor Road, Bramhall, Stockport, Cheshire SK7 3lX (GB).

(74) **AJELLO, Michael, John**; Urquhart–Dykes & Lord, Northern Assurance Buildings, Albert Square, Manchester M2 4DN (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 SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

---

(11) **WO 99/25168** (13) A1

(21) PCT/JP98/05049

(22) **9 Nov/nov 1998 (09.11.1998)**

(25) ja (26) ja

(31) 9/306678 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(31) 9/306680 (32) **10 Nov/nov 1997 (10.11.1997)** (33) JP

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K 13/04**

(54) - PART MOUNTING APPARATUS AND PART SUPPLY APPARATUS
- APPAREIL DE MONTAGE DE PIECES ET APPAREIL D'ALIMENTATION EN PIECES

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–0051 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OKUDA, Osamu** [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–0050 (JP). **KABESHITA, Akira** [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–0050 (JP). **KITAMURA, Naoyuki** [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–0050 (JP). **YOSHIDA, Yoshihiro** [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–0050 (JP). **INOUE, Mamoru** [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–0050 (JP). **MORI, Kazuo** [JP/JP]; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma–shi, Osaka 571–0050 (JP).

(74) **ISHIHARA, Masaru**; Fujiwara Building, 5th floor, 13–2, Kyomachi–bori 1–chome, Nishi–ku, Osaka–shi, Osaka 550–0003 (JP).

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

---

(11) **WO 99/25169** (13) A1

(21) PCT/US98/23759

(22) **10 Nov/nov 1998 (10.11.1998)**

(25) en (26) en

(31) 60/065,061 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US

(31) 09/033,022 (32) **2 Mar/mar 1998 (02.03.1998)** (33) US

(43) 20 May/mai 1999 (20.05.1999)

(51)[6] **H05K 13/04, H01L 21/00**

(54) - MULTIPLE HEAD DISPENSING SYSTEM AND METHOD
- PROCEDE ET SYSTEME DE DISTRIBUTION A PLUSIEURS TETES

(71) **CAMELOT SYSTEMS, INC.** [US/US]; 145 Ward Hill Avenue, Haverhill, MA 01835 (US).

(72) **PRENTICE, Thomas, C.**; 10 Abbott Street, Westford, MA 01886 (US). **PRESCOTT, Brian, P.**; 11 Pulaski Drive, Fremont, NH 03044 (US). **PURCELL, Thomas**; 25 Moody Street, Haverhill, MA 01830 (US). **HELM, Stephen**; 29 Hawthorne Road, Windham, NH 03087 (US). **MARTIN, Donald, J.**; 24 Kenneth Street, Lawrence, MA 01843 (US). **BROWN, Kevin**; 56 Pine Ridge Circle, Sandown, NH 03873 (US).

(74) **SULLIVAN, Thomas, M.**; Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., One Financial Center, Boston, MA 02111 (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)*