



C.PCT 986

-41

April 20, 2004

Madam,
Sir,

Following consultation with your Office in its capacity as receiving Office, International Searching Authority (ISA), International Preliminary Examining Authority (IPEA) or designated and/or elected Office under the Patent Cooperation Treaty (PCT), and with certain intergovernmental and non-governmental organizations and certain other users of PCT data by means of Circular C.PCT 961, the Director General has decided on certain modifications of the format of the front page of the PCT pamphlet, the *PCT Gazette* in electronic form and the *PCT Gazette* in paper form.

The modifications are as proposed by Circular C.PCT 961 (dated December 4, 2003). Additional modifications were made as a result of the
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The modifications to the front page of the PCT pamphlet, which will apply *mutatis mutandis* to the presentation of each entry in the *PCT Gazette* in
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introductory pages and Sections I and II of the *PCT Gazette* in paper form are set out in Annex III. All modifications are identified by vertical lines in the margins of the sheets concerned.

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Entry into force of the modifications

The International Bureau will start employing the new format of the front page of the PCT pamphlet and the *PCT Gazette* as soon as the first international application is published with an international filing date on or after January 1, 2004.

Yours sincerely,



Francis Gurry
Deputy Director General

Enclosures: Annex I – Detailed explanations of the additional modifications

Annex II – Modifications to the front page of the PCT pamphlet

Annex III – Modifications to the *PCT Gazette* (introductory pages, Sections I and II)

DETAILED EXPLANATIONS OF THE ADDITIONAL MODIFICATIONS

Front page of the PCT pamphlet

The first additional modification concerns the designation of the African Regional Industrial Property Organization (ARIPO) and the African Intellectual Property Organization (OAPI) in Internationally agreed Numbers for the Identification of (bibliographic) Data (INID) Code (84). Under the amended Regulations under the PCT, as in force from January 1, 2004, a State is automatically designated for every kind of protection available and since both regional organizations provide for more than only patent protection, the reference to “ARIPO patent” and “OAPI patent” would not reflect the new designation system.

The second additional modification concerns the designation of a State where this has been withdrawn for a certain type of protection only but not the designation of that State for all types of protection; the added indication in parentheses next to the two-letter code of the designated State as for which type of protection that particular State continues to be designated is modified to only include the indication of the remaining (not withdrawn) type of protection (for example, “DE (*utility model*)” where the designation of Germany for the purpose of a patent has been withdrawn). For technical reasons, in the case of multiple remaining types of protection, the two letter code of the designated State would be repeated for every remaining type of protection (for example “BR (*patent*), BR (*utility model*)”).

Introductory pages to weekly issues of the PCT Gazette and Section I of the PCT Gazette

The further modifications to the introductory pages of the *PCT Gazette* in paper form provide for a definition of INID Codes (81) and (84) both for international applications filed before and on or after January 1, 2004. This is necessary since, at least for a certain amount of time, Section I of the *PCT Gazette* in paper form will have to provide for the indication of international applications filed before January 1, 2004 as well as on or after that date.

[Annex II follows]

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date:
08 January 2004 (08.01.2004)(10) International Publication Number:
WO 2004/123456 A1

PCT

- (51) International Patent Classification⁶: G01N 112/23
- (21) International Application Number: PCT/US2004/123456
- (22) International Filing Date: 16 January 2004 (16.01.2004)
- (25) Language of Filing: English
- (26) Language of Publication: English
- (71) Applicant; and
(72) Inventor: SMITH, John [US/US]; 7591 91st Avenue,
Edmonton, VA 21091 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Publication:

— With international search report.

For two-letter codes, language codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DIGITAL HIGH-SPEED PRINTING SYSTEM ARCHITECTURE

(57) **Abstract:** A digital high-speed printing system architecture for processing contiguous raster-image data blocks for transmission to a marking engine, comprises a central processing unit ("CPU") (42) and at least one video RAM device (44). Each video RAM device (44) includes a dynamic band RAM (46), a serial access memory (48), a random access port for transmitting and receiving image data blocks to and from the dynamic band RAM (46), and a serial port for transmitting and receiving image data blocks to and from the serial access memory (48). The video RAM devices (44) perform bi-directional image data block transfers between the dynamic band RAM (46) and the serial access memory (48). Furthermore, the video RAM devices (44) transfer image data blocks to and from the serial access port, and simultaneously transfer of image data blocks to and from the random access port. A digital high-speed printing system architecture for processing contiguous raster-image data blocks for transmission to a marking engine, comprises a central processing unit ("CPU") (42) and at least one video RAM device (44). Each video RAM device (44) includes a dynamic band RAM (46), a serial access memory (48), a random access port for transmitting and receiving image data blocks to and from the dynamic band RAM (46), and a serial port for transmitting and receiving image data blocks to and from the serial access memory (48). Each video RAM device (44) includes a dynamic band RAM (46), a serial access memory (48), a random access port for transmitting and receiving image data blocks to and from the dynamic band RAM (46), and a serial port for transmitting and receiving image data blocks to and from the serial access memory (48). Furthermore, the video RAM devices (44) transfer image data blocks to and from the serial access port, and simultaneously transfer of image data blocks to and from the random access port. A digital high-speed printing system architecture for processing contiguous raster-image data blocks for transmission to a marking engine, comprises a central processing unit ("CPU") (42) and at least one video RAM device (44).

WO 2004/123456 A1

[Annex III follows]

INID CODES

(from WIPO Standard ST.9)

- (11) International publication number
- (13) Kind-of-document code according to WIPO Standard ST.16
- A1 Published with international search report
- A2 Published without international search report and to be republished upon receipt of that report
- A3 Subsequent publication of the international search report together with a revised version of the front page of the pamphlet
- (21) International application number
- (22) International filing date
- (25) Language in which the international application was originally filed
- (26) Language in which the international application is published
- (30) Priority Data
- (34) Country designated in regional application (for ARIPO only)
- (43) International publication date
- (51) International Patent Classification (superscript numeral indicates edition)
- (54) Title of the invention
- (61) Related by addition to earlier application or grant <country> <number> <date>
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application <country> <number> <date>
- (71) Applicant(s), including indications in square brackets of [State of nationality/State of residence]
- (72) Inventor(s)
- (74) Agent(s)/Common representative
- (75) Inventor(s)/Applicant(s) (for US only), including indications in square brackets of [State of nationality/State of residence]
- (81) *(for international applications filed before 1 January 2004)* Designated States (national)
(for international applications filed on or after 1 January 2004) Designated States (unless otherwise indicated, for every kind of national protection available)
- (84) *(for international applications filed before 1 January 2004)* Designated States (regional)
(for international applications filed on or after 1 January 2004) Designated States (unless otherwise indicated, for every kind of regional protection available)

CODES FOR THE REPRESENTATION**OF NAMES OF LANGUAGES**

(from International Standard ISO 639 : 1988)

Code	Language	Code	Language
de	German	fr	French
en	English	ja	Japanese

OTHER CODES

The codes below appearing after the heading

"Published/Publiée" indicate that the corresponding text matter was published on the front page of the PCT pamphlet:

- (a) With amended claims.
- (b) With amended claims and statement.
- (c) Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.
- (d) Upon request of the applicant under Article 64(3)(c)(i).
- (e) In accordance with Article 64(3)(c)(ii) upon publication of a patent based on the international application, issued by the United States Patent and Trademark Office on <date> under serial number <number>.
- (f) Upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a).
- (g) Without classification; title and abstract not checked by the International Searching Authority.
- (h) With declaration under Article 17(2)(a); without classification and without abstract; title not checked by the International Searching Authority.
- (i) With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.
- (k) Under Rule 91.1(f), with a request for rectification.
- (m) With (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description.
- (n) With a declaration as to non-prejudicial disclosures or exceptions to lack of novelty.
- (p) With an indication in relation to a priority claim considered not to have been made.
- (q1) Published entirely in electronic form (except for the front page) and available upon request from the International Bureau.
- (q2) Sequence listing part of description published separately in electronic form and available upon request from the International Bureau.

The codes below that appear after the heading

"Declaration(s)/Déclaration(s)" indicate that a text corresponding to the following wording was published on the front page of the PCT pamphlet:

- (r) Declaration as to the identity of the inventor (Rule 4.17(i)).
- (s) Declaration as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)).
- (t) Declaration as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)).
- (u) Declaration of inventorship for the purposes of the designation of US only (Rule 4.17(iv)).
- (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty (Rule 4.17(v)).

SECTION II**NOTICES AND INFORMATION RELATING TO PUBLISHED
INTERNATIONAL APPLICATIONS AND/OR ENTRIES IN SECTION I****NOTIFICATIONS ET INFORMATIONS
RELATIVES AUX DEMANDES INTERNATIONALES PUBLIÉES
ET/OU AUX RUBRIQUES DE LA SECTION I*****ANNOUNCEMENT OF THE WITHDRAWAL OF
DESIGNATIONS AFTER INTERNATIONAL PUBLICATION******ANNONCE DU RETRAIT DE DÉSIGNATIONS
APRÈS PUBLICATION INTERNATIONALE***

The designations of the States indicated in relation to the international applications listed below have been (considered) withdrawn after international publication. Where applicable, the kind of protection withdrawn is indicated in parentheses next to the international application number.

Les désignations des États indiquées dans les demandes internationales mentionnées ci-dessous ont été (considérées) retirées après publication internationale. Le cas échéant, le titre de protection retiré est indiqué entre parenthèses à côté du numéro de publication internationale.

International Application Numbers Numéros des demandes internationales	International Publication Numbers Numéros de publication internationale	First International Patent Classification Symbols Premiers symboles de la classification internationale des brevets	States États
PCT/AT2004/0000012 (utility model/modèle d'utilité)	WO 2002/076601	B01J 8/22	US
PCT/DE2001/004733	WO 2002/054206	G06F 1/16	DE

DEMANDS FOR INTERNATIONAL PRELIMINARY EXAMINATION
(made in respect of international applications filed on or after 1 January 2004)

DEMANDES D'EXAMEN PRÉLIMINAIRE INTERNATIONALE
(présentées en ce qui concerne les demandes internationales déposées à compter du 1^{er} janvier 2004)

A demand for international preliminary examination has been filed prior to the expiration of the applicable time limit under Rule 54bis.1(a) in respect of each international application indicated below filed on or after 1 January 2004. All designated States bound by Chapter II (eligible States) were elected in the demand. International applications in respect of which a demand has been filed prior to the expiration of 19 months from the priority date are indicated by an asterisk.

Une demande d'examen préliminaire internationale a été présentée avant l'expiration du délai prévu par la règle 54bis.1a) pour chaque demande internationale indiquée ci-dessous déposée à compter du 1^{er} janvier 2004. Tous les États désignés liés par le chapitre II (États éligibles) ont été élus dans la demande d'examen. Les demandes internationales pour lesquelles une demande d'examen préliminaire internationale a été présentée avant l'expiration de la période de 19 mois à compter de la date de priorité sont signalées par un astérisque.

International Application Numbers Numéros des demandes internationales	International Publication Numbers Numéros de publication internationale				
PCT/AT2004/000299*	WO 2004/055548				
PCT/AT2004/000048*	WO 2004/050812				

DEMANDS FOR INTERNATIONAL PRELIMINARY EXAMINATION
(made in respect of international applications filed before 1 January 2004)

DEMANDES D'EXAMEN PRÉLIMINAIRE INTERNATIONALE
(présentées en ce qui concerne les demandes internationales déposées avant le 1^{er} janvier 2004)

A demand for international preliminary examination has been filed *prior to the expiration of 19 months from the priority date* in respect of each international application indicated below filed before 1 January 2004. All designated States bound by Chapter II (eligible States) were elected in the demand except for any State whose two-letter code is indicated in parentheses below the international application number concerned. International applications in respect of which a demand has been filed after the expiration of 19 months from the priority date are not shown.

Une demande d'examen préliminaire international a été déposée *avant l'expiration d'une période de 19 mois à compter de la date de priorité* pour chaque demande internationale indiquée ci-dessous déposée avant le 1^{er} janvier 2004. Tous les États désignés liés par le chapitre II (États éligibles) ont été élus dans la demande d'examen à l'exception de tout État dont le code à deux lettres est indiqué entre parenthèses sous le numéro de la demande internationale concernée. Les demandes internationales pour lesquelles une demande d'examen préliminaire international a été présentée après l'expiration de la période de 19 mois à compter de la date de priorité ne figurent pas ci-dessous.

International Application Numbers Numéros des demandes internationales	International Publication Numbers Numéros de publication internationale				
PCT/AT/2003/12345	WO 2004/123456				