



C.PCT 961

-41

December 4, 2003

Madam,  
Sir,

This Circular is addressed to 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). It is also addressed to certain intergovernmental and non-governmental organizations and certain other users of PCT data.

This Circular concerns proposed modifications of the format of the front page of the PCT pamphlet, Sections I and II of the *PCT Gazette* in paper form and the *PCT Gazette* in electronic form, consequential to the amendments of the Regulations under the PCT which introduced a new concept and operation of the designation system, as adopted by the PCT Assembly at its thirty-first (18<sup>th</sup> extraordinary) session held from September 23 to October 1, 2002, and due to enter into force on January 1, 2004. Reference is also made to Circular C.PCT 958, dated December 4, 2003, concerning the promulgation of the modifications to the Administrative Instructions under the PCT, in particular Section 431 and Annex D therein.

It is recalled that PCT Article 21(4) provides that the “(...) form of the international publication and other details are governed by the Regulations” and that PCT Rule 48.1(b) provides that “The particulars regarding the form of the pamphlet and the method of reproduction shall be governed by the Administrative Instructions.” Section 406(c) of the Administrative Instructions provides that “The form and particulars of the front page of each pamphlet shall be decided by the Director General.” In respect of the envisaged modifications of the front page of the pamphlet, Sections I and II of the *PCT Gazette* in paper form and the *PCT Gazette* in electronic form, the International Bureau wishes to seek the views of users of the PCT system.

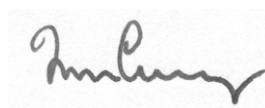
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- ./ Detailed explanations of the proposed modifications are set out in Annex I of this Circular. The proposed modified front page of the PCT pamphlet is set
- ./ out in Annex II, the proposed modifications to the introductory pages and
- ./ Sections I and II of the *PCT Gazette* are set out in Annex III. For ease of reference, modified Section 431 and Annex D of the Administrative Instructions
- ./ under the PCT are reproduced in Annex IV. The proposed modifications are identified by vertical lines in the right margins of the sheets concerned.

*Comments on the proposed modifications*

You are invited to provide comments, if any, to the International Bureau by December 29, 2003, preferably by fax to (+41-22) 910 00 30 or by email to [pct.legal@wipo.int](mailto:pct.legal@wipo.int).

Yours sincerely,



Francis Gurry  
Deputy Director General

Enclosures: Annex I – Detailed explanations of the proposed modifications

Annex II—Proposed modifications to the front page of the PCT pamphlet

Annex III—Proposed modifications to the *PCT Gazette* (introductory pages, Sections I and II)

Annex IV—Excerpt from Administrative Instructions under the PCT (document PCT/AI/1 Rev.1 Add.9), Section 431 and Annex D

DETAILED EXPLANATIONS OF THE PROPOSED MODIFICATIONS

*Front page of the PCT pamphlet*

It is recalled that Rule 4.9(a) as adopted by the PCT Assembly on October 1, 2002, and due to enter into force on January 1, 2004, states that the filing of a request shall constitute the designation of all Contracting States that are bound by the Treaty on the international filing date for the grant of every kind of national and regional protection available. Amended Rule 4.9(a) will apply to any international application filed on or after January 1, 2004.

Consequential to the entry into force of amended Rule 4.9(a), it is proposed to modify the front page of the PCT pamphlet (see Annex II to this Circular) accordingly by replacing the indications “(national)” and “(regional)” following INID codes (81) and (84), respectively, with the following new text :

- “(81) Designated States (unless otherwise indicated, for every kind of national protection available);
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available)”.

It is proposed to continue to publish a two-letter code for each State which has been designated and the designation of which has not been withdrawn prior to international publication. For States which may be designated for a different type of (national or regional) protection in addition to a patent, in view of the proposed new text following INID Codes (81) and (84), it will no longer be necessary to list such designated States more than once. Where, however, the designation of a State has been withdrawn for a certain type of protection only but not the designation of that State for all types of protection, an indication is proposed to be added in parentheses next to the two-letter code so as to indicate for which type of protection that particular State continues to be designated (for example, “DE (*utility model only*)”).

*Introductory pages to regular issues of the PCT Gazette and Section I of the PCT Gazette*

Consequential to the proposed modifications to the text following INID Codes 81 and 84 described above, it is proposed to modify the introductory page of the regular issue of the *PCT Gazette* in paper form accordingly (see Annex III to this Circular).

*Section II of the PCT Gazette*

It is proposed to modify the table in Section II of the *PCT Gazette* entitled “ANNOUNCEMENT OF THE WITHDRAWAL OF DESIGNATIONS AFTER INTERNATIONAL PUBLICATION” to provide for the indication of the withdrawal of the designation of an Office for certain kind(s) of protection only. It is proposed to indicate in the table, where applicable, in parentheses next to the international application number, the type(s) of protection which has (have) been withdrawn by the applicant after international publication (see Annex III to this Circular).

Moreover, it is recalled that new Rule 53.7 states that the filing of a demand shall constitute the election of all Contracting States which are designated and are bound by Chapter II of the Treaty, and that Rule 61.4 and Section 431 of the Administrative Instructions require the International Bureau to publish information on the filing of a demand and the States which have been elected in the *PCT Gazette*.

Consequently, the format of the table entitled “DEMANDS FOR PRELIMINARY EXAMINATION” is proposed to be modified. Since, however, information about demands made in respect of international applications filed before January 1, 2004 and demands made in respect of international applications filed on or after January 1, 2004 might have to be published for a transitional period in the same issue of the *PCT Gazette*, it is proposed to continue to rely on the existing table, with only a minor modification to its title. The new table is proposed to only list demands made in respect of international applications filed on or after January 1, 2004. This second table will no longer provide for the exclusion of certain elected States but will indicate whether a demand, filed within the time limit under new Rule 54bis.1(a), was filed before or after the expiration of 19 months from the priority date. After a transitional period, once information about all demands made in respect of international applications filed before January 1, 2004 has been published, Section II will only include the new table (see Annex III to this Circular for both tables).

*PCT Gazette in electronic form*

The proposed modifications to the text following INID codes (81) and (84) on the front page of the pamphlet are proposed to also be reflected in the electronic form of the *PCT Gazette*.

[Annex II follows]

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

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date:  
22 July 2004 (22.07.2004)(10) International Publication Number:  
**WO 2004/123456 A1**

PCT

- (51) International Patent Classification<sup>6</sup>: **G01N 112/23** (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.
- (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 91<sup>st</sup> Avenue, Edmonton, VA 21091 (US).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO patent (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 Patent (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

(from WIPO Standard ST.9)

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| <p>(11) International publication number</p> <p>(13) Kind-of-document code according to WIPO Standard ST.16</p> <p style="padding-left: 20px;">A1 Published with international search report</p> <p style="padding-left: 20px;">A2 Published without international search report and to be republished upon receipt of that report</p> <p style="padding-left: 20px;">A3 Subsequent publication of the international search report together with a revised version of the front page of the pamphlet</p> <p>(21) International application number</p> <p>(22) International filing date</p> <p>(25) Language in which the international application was originally filed</p> <p>(26) Language in which the international application is published</p> <p>(30) Priority Data</p> <p>(34) Country designated in regional application (for ARIPO only)</p> <p>(43) International publication date</p> <p>(51) International Patent Classification (superscript numeral indicates edition)</p> <p>(54) Title of the invention</p> <p>(61) Related by addition to earlier application or grant &lt;country&gt; &lt;number&gt; &lt;date&gt;</p> <p>(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application &lt;country&gt; &lt;number&gt; &lt;date&gt;</p> <p>(71) Applicant(s), including indications in square brackets of [State of nationality/State of residence]</p> <p>(72) Inventor(s)</p> <p>(74) Agent(s)/Common representative</p> <p>(75) Inventor(s)/Applicant(s) (for US only), including indications in square brackets of [State of nationality/State of residence]</p> <p>(81) Designated States (unless otherwise indicated, for every kind of national protection available)</p> <p>(84) Designated States (unless otherwise indicated, for every kind of regional protection available)</p> | <p>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:</p> <p>(a) With amended claims.</p> <p>(b) With amended claims and statement.</p> <p>(c) Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.</p> <p>(d) Upon request of the applicant under Article 64(3)(c)(i).</p> <p>(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 &lt;date&gt; under serial number &lt;number&gt;.</p> <p>(f) Upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a).</p> <p>(g) Without classification; title and abstract not checked by the International Searching Authority.</p> <p>(h) With declaration under Article 17(2)(a); without classification and without abstract; title not checked by the International Searching Authority.</p> <p>(i) With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.</p> <p>(k) Under Rule 91.1(f), with a request for rectification.</p> <p>(m) With (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description.</p> <p>(n) With a declaration as to non-prejudicial disclosures or exceptions to lack of novelty.</p> <p>(p) With an indication in relation to a priority claim considered not to have been made.</p> <p>(q1) Published entirely in electronic form (except for the front page) and available upon request from the International Bureau.</p> <p>(q2) Sequence listing part of description published separately in electronic form and available upon request from the International Bureau.</p> <p>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:</p> <p>(r) Declaration as to the identity of the inventor (Rule 4.17(i)).</p> <p>(s) Declaration as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)).</p> <p>(t) Declaration as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)).</p> <p>(u) Declaration of inventorship for the purposes of the designation of US only (Rule 4.17(iv)).</p> <p>(v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty (Rule 4.17(v)).</p> |
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**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

**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, la forme de protection retirée est indiquée entre parenthèses à côté du numéro de publication internationale.

<b>International Application Numbers</b> <b>Numéros des demandes internationales</b>	<b>International Publication Numbers</b> <b>Numéros de publication internationale</b>	<b>First International Patent Classification Symbols</b> <b>Premiers symboles de la classification internationale des brevets</b>	<b>States</b> <b>États</b>
PCT/AT2004/000012 (utility model/modèle d'utilité)	WO 2004/076601	B01J 8/22	US

**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<sup>er</sup> 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 international 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<sup>er</sup> 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 international 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<sup>er</sup> 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<sup>er</sup> 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				

EXCERPT FROM ADMINISTRATIVE INSTRUCTIONS UNDER THE PCT  
(Document PCT/AI/1 Rev.1 Add.9)

**Section 431**  
**Publication of Notice of Submission of Demand**

(a) For international applications in respect of which a demand is filed before January 1, 2004, the publication in the Gazette of information on the demand and the elected States concerned, as referred to in Rule 61.4, as in force until December 31, 2003, shall consist of a notice indicating that a demand has been submitted prior to the expiration of 19 months from the priority date and, as applicable, indicating that all eligible States have been elected or, where not all eligible States have been elected, indicating those eligible States which have not been elected.

(b) For international applications in respect of which a demand is filed on or after January 1, 2004, the publication in the Gazette of information on the demand and the elected States concerned, as referred to in Rule 61.4, as in force from January 1, 2004, shall consist of a notice indicating that a demand has been submitted prior to the expiration of the applicable time limit under Rule 54*bis*.1(a) and that all Contracting States which were designated and were bound by Chapter II of the Treaty have been elected. Where the demand is made subsequent to the expiration of 19 months from the priority date and the time limit under Article 22(1), as in force from April 1, 2002, does not apply in respect of all designated Offices, the notice shall also indicate that fact.

**ANNEX D**  
**INFORMATION FROM PAMPHLET FRONT PAGE TO BE INCLUDED**  
**IN THE GAZETTE UNDER RULE 86.1(a)(i)**

[...]

5. as to the designated States:

5.1 their names

5.2 the indication of any wish for a regional patent

5.3 the indication that every kind of protection available is sought, unless otherwise indicated

[...]

[End of Annex IV]