



WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

ADMINISTRATIVE INSTRUCTIONS UNDER THE
PATENT COOPERATION TREATY (PCT)
STANDARD FOR THE ELECTRONIC FILING AND PROCESSING
OF INTERNATIONAL APPLICATIONS

INSTRUCTIONS ADMINISTRATIVES DU
TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS (PCT)
NORME CONCERNANT LE DÉPÔT ET LE TRAITEMENT ÉLECTRONIQUES
DES DEMANDES INTERNATIONALES

PROPOSAL FOR CHANGE FILE DOSSIER RELATIF À LA PROPOSITION DE MODIFICATION	
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SUBJECT: Corrections to version 1.2 DTDs SUJET : Corrections apportées à la version 1.2 des DTDs		PROPOSED BY: IB PROPOSÉE PAR : IB	
HANDLING: Expedited consideration TRAITEMENT : Examen accéléré		PROPOSED DATE OF ENTRY INTO FORCE: 01.04 DATE PROPOSÉE D'ENTRÉE EN VIGUEUR : 01.04	
ANNEX/ ANNEXE	CONTENT/CONTENU	ORIGIN/ ORIGINE	DATE
1	Proposal/Proposition	IB	30.10.03
2	Circular C. PCT 959/Circulaire C. PCT 959	IB	05.11.03
3	Comments/Commentaires	EP, JP, US, IB	16.12.03

[Annex 1 follows/
L'annexe 1 suit]

NEXT ACTION: Promulgation PROCHAINE ACTION : Promulgation		BY: 01.01.04 POUR LE :	
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PROPOSAL BY THE INTERNATIONAL BUREAU OF THE WORLD INTELLECTUAL PROPERTY ORGANIZATION

Version 1.2 DTDs

The following proposed version 1.2 DTDs incorporate changes proposed in PFC 03-001. These DTDs are for informational purposes only and should not be used in a production environment until modifications proposed under PFC 03-001 have been agreed upon and adopted. At such time, WIPO shall modify and promulgate the official DTDs.

List of DTDs affected by this proposal:

- application-body-v1-2.dtd
- request-v1-2.dtd
- demand-v1-2.dtd
- fee-sheet-v1-2.dtd
- ipea-demand-receiving-info-v1-2.dtd.

application-body version 1.2:

```
<?xml version='1.0' encoding='UTF-8' ?>

<!ENTITY % body_sections " id      CDATA  #IMPLIED
                             lang    CDATA  #IMPLIED
                             status  CDATA  #IMPLIED">

<!ENTITY % name_group "((name | (prefix? , (last-name | orgname) , first-name?
                             , middle-name? , suffix? , iid? , role? , orgname?
                             , department? , synonym*)) , registered-number?)">

<!ENTITY % address_group "((address-1? , address-2? , address-3? , mailcode?
                             , pobox? , room? , address-floor? , building?
                             , street? , city? , county? , state? , postcode?
                             , country) | text)">

<!--
*****
*  application-body  v1.2   2003   OCTOBER                               *
*****
*  PUBLIC "-//WIPO//DTD APPLICATION BODY 1.2//EN"                       *
*  "application-body-v1-2.dtd"                                           *
*****
*  http://pcteasy.wipo.int/efiling_standards/schemaDocs/1.2/           *
*                               application-body.dtd                      *
*****
*  contacts:                                                             *
*  EPO:  Paul Brewin;  pbrewin@epo.org                                   *
*  JPO:  Shiro Ankyu;  ankyu-shiro@jpo.go.jp                             *
*  USPTO: Bruce B. Cox;  bruce.cox@uspto.gov                             *
*  WIPO:  John Dunning;  john.dunning@wipo.int                           *
*  WIPO:  Hideto Tanaka;  hideto.tanaka@wipo.int                         *
*****
*  Revision History                                                       *
*****
JD: 03/10/27 DRAFT VERSION 1.2 - Incorporating changes from PFC 03-001
```

```
..added sup2, sub2
..added pre to p content model
..added attribute 'external-type' to table-external
..added attribute 'lang' to nplcit
..added attribute 'class-type' to nplcit
..added attribute 'figure-labels' to figure
JD: 03/02/03 Incorporated changes from PFCs:
..added attribute 'file-reference-id' to root
..added attribute 'orientation' to doc-page, img
..added attribute 'inline' to img
..added attribute 'ol-style' to ol
..added attribute 'dnum-type' to patcit
..added table-external to p content model
..made postcode optional within address
..added (last-name | orname) choice to %name_group;
..removed br from b, i, smallcaps
*****
* XML VERSION FOR FILING OF PCT APPLICATIONS: *
* description, claims, abstract, drawings - *
* it may be utilised by other offices as required - *
* but it is NOT recommended to add or change element and *
* attribute names *
* see: http://pcteasy.wipo.int/efiling\_standards/EFPage.htm *
* *
* It is intended for a) Online Filing b) (later) publication, etc *
* within the context of a new version of ST.32 (ST.32X) *
* In developing this DTD we have taken into consideration: *
* - earlier versions of this dtd *
* - ST32 version 3 *
* - Variations of ST.32 in: WIPO, USPTO, MIMOSA, etc *
* - USPTO EFS dtd *
* - Trilateral Common data dictionary *
* - ISO 12083 dtds, etc *
*****
*****
* SECTION I - DECLARATION, ENT. REFS, ISO sets, etc *
*****
-->
<!--
import character entity set. Download from:
http://pcteasy.wipo.int/efiling\_standards/schemaDocs/wipo.ent

Note that nsgmls-based parsers (SP, Near & Far Designer, etc.)
may not be able to process this file for reasons described below
in MathML comments.
-->
<!ENTITY % wipo PUBLIC "-//WIPO//ENTITIES WIPO 1.0//EN" "wipo.ent">

%wipo;

<!--
*****
* INCLUDE COMPONENT DTDS (MATHML, OASIS EXCHANGE TABLE MODEL *
*****
-->
<!-- DTD MathML2: maintained by W3C. Download from:
http://www.w3.org/TR/MathML2/DTD-MathML-20010221.zip

If viewing with Near & Far Designer uncomment
'mathml-charent-module' switch below -->
<!--ENTITY % mathml-charent.module "IGNORE" -->
<!ENTITY % MATHML.prefixed "IGNORE">

<!ENTITY % MATHML.xmlns "">

<!-- import MathML2 dtd -->
<!ENTITY % mathml2 PUBLIC "-//W3C//DTD MathML 2.0//EN" "mathml2.dtd">
```

```
%mathml2;

<!-- DTD OASIS Open XML Exchange Table Model.
      Maintained by OASIS; download from:
      http://www.oasis-open.org/specs/soextblx.dtd
      Note that the FPI in soextblx.dtd refers to itself as 'calstblx'.
      That convention has been followed here.
-->
<!-- create content for title element in table -->
<!ENTITY % title "<!ELEMENT title (#PCDATA | b | i | u | sup | sub | smallcaps)* >">
%title;

<!-- override OASIS Exchange <entry> model -->
<!ENTITY % tbl.entry.mdl "(#PCDATA | b | i | u | sup | sub | smallcaps | br |
patcit
                        | nplcit | bio-deposit | crossref | img | dl | ul | ol
                        | chemistry | maths)*">

<!-- import OASIS Exchange model -->
<!ENTITY % calstblx PUBLIC "-//OASIS//DTD XML Exchange Table Model 19990315//EN"
                        "soextblx.dtd">
%calstblx;

<!--

*****
* SECTION II - DTD
*****

APPLICATION-BODY

PCT Art 3(2) states
"(2) An international application shall contain, as specified
in this Treaty and the Regulations, a request, a
description, one or more claims, one or more drawings
(where required), and an abstract."
The Request is dealt with by a separate DTD since it will be
handled by form filling software and requires different
processing later.
The main application will be authored by the applicant as one
word processor file, the order follows general practice today.
The sequence list (although part of the description) is a
separate sub-document which will reference an ST.25 compliant
file.

Attributes:
  lang          = language of application - use ISO639 language code
  dtd-version   = dtd version number
  file          = filename of the whole application
  id            = unique id for this application - could be file name
  status        = status of the application; values:
                  n = new application
  id            = an identifier for this application (could be filename)
  country       = WIPO ST.3 code for application
  file-reference-id = applicant's or agent's file reference, if any
-->
<!ELEMENT application-body (doc-page+ | (description , claims , abstract? ,
drawings?))>

<!ATTLIST application-body lang          CDATA #REQUIRED
                           dtd-version   CDATA #IMPLIED
                           file          CDATA #IMPLIED
                           status        CDATA #IMPLIED
                           id            ID   #IMPLIED
                           country       CDATA #REQUIRED
                           file-reference-id CDATA #IMPLIED >

<!--
```

```
a drawing (figure), necessary for the understanding of the invention
  Recommended id = f01, f02, etc.

      -->
<!ELEMENT figure (img)>

<!ATTLIST figure  id          ID      #IMPLIED
                  num        CDATA   #REQUIRED
                  figure-labels CDATA  #IMPLIED>

<!--
  the solution to the alleged problem that the invention
  purports to solve.

  Recommended id = 'abss'

      -->
<!ELEMENT abst-solution (p+)>

<!ATTLIST abst-solution  id ID  #IMPLIED >
<!--
      the alleged problem that the invention purports to solve
      Recommended id = 'absp'

      -->
<!ELEMENT abst-problem (p+)>

<!ATTLIST abst-problem  id ID  #IMPLIED >
<!--
defines the matter for which protection is sought
  See PCT Rule 6:
  6.1.a: 'the number of claims shall be reasonable in consideration
        of what is being claimed.'
  6.1.b: 'if there are several claims, they shall be numbered
        consecutively in Arabic numerals.'

  Recommended id = c01, c02, etc.;
                num 001, 002, etc.

      -->
<!ELEMENT claim (claim-text+)>

<!ATTLIST claim  id  ID      #IMPLIED
                num CDATA   #REQUIRED >
<!--
  reference to a claim

      -->
<!ELEMENT claim-ref (#PCDATA)>

<!ATTLIST claim-ref  idref IDREFS  #REQUIRED >
<!--
  Sequence listing free text
  WIPO ST.25:
  "36. Where the sequence listing part of the description
    contains free text, any such free text shall be repeated in
    the main part of the description in the language thereof.
    It is recommended that the free text in the language of the
    main part of the description be put in a specific section
    of the description called "Sequence Listing Free Text".

  Recommended id = 'seqt'

      -->
<!ELEMENT sequence-list-text (heading* , p+)+>

<!ATTLIST sequence-list-text  id ID  #IMPLIED >
<!--
  Article 33(4): "For purposes of the international preliminary
```

examination, a claimed invention shall be considered industrially applicable if, according to its nature, it can be made or used (in the technological sense) in any kind of industry.

Recommended id = 'inap'

-->

<!ELEMENT industrial-applicability (heading* , p+)+>

<!ATTLIST industrial-applicability id ID #IMPLIED >

<!--

PCT Rule 5.1(a)(vi): "The description shall...indicate explicitly, when it is not obvious from the description or nature of the invention, the way in which the invention is capable of exploitation in industry and the way in which it can be made and used..."

Recommended id = 'mode'

-->

<!ELEMENT mode-for-invention (heading* , p+)+>

<!ATTLIST mode-for-invention id ID #IMPLIED
mode-num CDATA #IMPLIED >

<!--

the best mode contemplated by the applicant for carrying out the invention claimed.

Recommended id = 'bmod'

-->

<!ELEMENT best-mode (heading* , p+)+>

<!ATTLIST best-mode id ID #IMPLIED >

<!--

disclosure of the invention with sub-headings:
technical problem;
technical solution;
advantageous effects (of the invention);

Recommended id = 'disc'

-->

<!ELEMENT disclosure ((tech-problem | tech-solution | advantageous-effects)*
| (heading* , p+)+>

<!ATTLIST disclosure id ID #IMPLIED >

<!--

advantageous effects of the invention (PCT Rule 5.1(a)(iii)

Recommended id = 'adve'

-->

<!ELEMENT advantageous-effects (heading* , p+)+>

<!ATTLIST advantageous-effects id ID #IMPLIED >

<!--

the solution to the problem that the invention purports to solve.
(PCT Rule 5.1(a)(iii)

-->

<!ELEMENT tech-solution (heading* , p+)+>

<!ATTLIST tech-solution id ID #IMPLIED >

<!--

the problem the invention purports to solve (Rule 5.1(a)(iii)

-->

<!ELEMENT tech-problem (heading* , p+)+>

```

<!ATTLIST tech-problem id ID #IMPLIED >
<!--
  Brief description of the drawings (Rule 5.1(a)(iv)
  Recommended id = 'desd'

      -->
<!ELEMENT description-of-drawings (heading* , p+)+>

<!ATTLIST description-of-drawings id ID #IMPLIED >
<!--
  Background art, background of the invention.
  Recommended id = 'bart'

      -->
<!ELEMENT background-art (heading* , p+)+>

<!ATTLIST background-art id ID #IMPLIED >
<!--
  PCT Rule 5.1:
    (a) The description shall first state the title of the invention
        as appearing in the request and shall:
        (i) specify the technical field to which the invention relates

      -->
<!ELEMENT technical-field (heading* , p+)+>

<!ATTLIST technical-field id ID #IMPLIED >
<!--
  paragraph
    Recommended id = p01, p02, etc.
    num = 001, 002, etc.

      -->
<!ELEMENT p (#PCDATA | b | i | u | sup | sub | smallcaps | br | dl | ul | ol |
figref
    | patcit | nplcit | bio-deposit | crossref | img | pre | chemistry |
maths
    | tables | table-external)*>

<!ATTLIST p id ID #IMPLIED
    num CDATA #REQUIRED >

<!-- preformatted content. Use to identify text content requiring preservation of
  whitespace, e.g., sequence listing fragments, computer program listings)
      -->
<!ELEMENT pre (#PCDATA) >
<!ATTLIST pre xml:space (default | preserve) #FIXED "preserve"
    listing-type (sequence | program-listing | other) #REQUIRED
    id ID #IMPLIED >

<!--
  References a stand-alone table authored with the table-external DTD.
      -->
<!ELEMENT table-external (#PCDATA) >

<!ATTLIST table-external id ID #IMPLIED
    file CDATA #REQUIRED
    lang CDATA #IMPLIED
    status CDATA #IMPLIED
    carriers (internal-electronic |
external-electronic |
paper ) #IMPLIED
    external-type (other |
math |
chemistry |
program-listing) #IMPLIED>
<!--

```

TABLES

This is image data or coded according to OASIS Exchange model
with modified cell 'entry' content

Recommended id = tabl01, tabl02, etc.

```
-->
<!ELEMENT tables (img | table)>
<!--
  a reference to a figure; e.g.,
  "...as shown in <figref idref="f01">figure <b>1</b></figref>..."
-->
```

```
<!ELEMENT figref (#PCDATA | b | i | u | sup | sub | smallcaps)*>
<!--
  definition list
-->
```

Recommended id = dlis01, dlis02, etc.

```
-->
<!ELEMENT dl (dt , dd)+>
<!--
  term to be defined
-->
```

Recommended id = dtrm01, dtrm02, etc.

```
-->
<!ELEMENT dt (#PCDATA | b | i | u | sup | sub | smallcaps)*>
<!--
  Unordered Lists
  list-style may be empty for lists with no bullet or other symbol
  default list-style is 'bullets'
  Recommended id = ulis01, ulis02, etc.
-->
```

```
<!ELEMENT ul (li+)>
<!--
  list item
  Recommended id = list01, list02, etc.
-->
```

```
-->
<!ELEMENT li (#PCDATA | b | i | u | sup | sub | smallcaps | br | patcit | nplcit
  | bio-deposit | crossref | img | dl | ul | ol | chemistry | maths)*>
<!--
  MATHEMATICS
  This is image data or coded according to mathml, version 2
  Recommended id = math01, math02, etc.
-->
```

```

<!ELEMENT maths (img | math)>

<!ATTLIST maths  id  ID      #IMPLIED
                  num CDATA  #REQUIRED >

<!--
  chemistry
  Chemical formulae, ring structures, Markush structures, etc.
  For now treat as image data.
  Depending on industry support we may use, e.g., chemML, CML later

  Recommended id = chem01, chem02, etc

-->
<!ELEMENT chemistry (img)>

<!ATTLIST chemistry  id  ID      #IMPLIED
                     num CDATA  #REQUIRED >

<!--
  Ordered Lists:
  attribute 'ol-style' - recommended use:

      1  arabic numbers      1, 2, 3, ...
      a  lower alpha         a, b, c, ...
      A  upper alpha         A, B, C, ...
      i  lower roman         i, ii, iii, ...
      I  upper roman         I, II, III, ...

-->
<!ELEMENT ol (li+)>

<!ATTLIST ol  id      ID      #IMPLIED
              compact (compact) #IMPLIED
              ol-style CDATA  #IMPLIED >

<!--
  image data
  image is used for any kind of image: art work, figures,
  complex work units (math, tables, chemistry), etc.

  Recommended:
    id      = i01, i02, etc.
    he, wi  = "11" - millimeters - height, width;
    file    = file name, location;
    label   - not used;
    alt     = alternate text if image not shown;
    img-content = drawing is the default;
    img-format = common will be tiff, st33 and st35 in for backward
               compatibilty and, later, publication.
    orientation = orientation of the image (portrait | landscape). Default is
portrait
    inline = (yes | no). Whether the image is to be presented inline or separated
by line breaks. Default is no

-->
<!ELEMENT img EMPTY>

<!ATTLIST img  id      ID      #IMPLIED
              he      NMTOKEN #REQUIRED
              wi      NMTOKEN #REQUIRED
              file     CDATA  #REQUIRED
              alt      CDATA  #IMPLIED
              img-content (drawing | photograph | character | dna | undefined )
'drawing'
              img-format (jpg | tif | st33 | st35 ) #REQUIRED
              orientation (portrait | landscape ) 'portrait'
              inline    (yes | no ) 'no' >

<!--
  Cross reference to any other element with an identifier (id)

```

```
-->
<!ELEMENT crossref (#PCDATA)>

<!--
  biological deposit citation
  (US EFS: biological-deposit)
  According to PCT Rule 13bis, EPC Rule 28
  This covers all bio data references long and short
  within the description and/or claims

  Recommended id = biod01, biod02, etc.
-->
<!ELEMENT bio-deposit (depository , bio-accno , date? , term? , dtext?)>

<!--
  bio-deposit id ID #IMPLIED
                num CDATA #REQUIRED
                url CDATA #IMPLIED
                dnum CDATA #IMPLIED
-->

  Non-Patent Literature (NPL) CITation;
  Notes:
    This can be free text data without any structure (#PCDATA)
    which is NOT recommended
    or it can be highly structured data which is marked up
    according to ST.14 and ISO 690 layout;

  This part of the DTD has used many different sources
  for element names and DTD structure and reference:
  AACR2 / MARC
  ISO 12083 - Electronic manuscript prep. and markup. DTD
  Association of American Publishers (AAP) Z39.59 DTD
  European Working Group for SGML (EWS) MAJOUR DTD
  SuperJournal Full Article DTD www.superjournal.ac.uk/sj
  Elsevier DTD
  Medline DTD (NLM)

  Attributes (recommended):
    id - ncit1, ncit2, etc
    num - 0001, 0002
  The TYPE of citation is office specific:
  (recommended);
    A - Abstract citation of no specific kind
    B - Book citation
    I - Biological abstract citation
    C - Chemical abstracts citation
    E - Database citation
    D - Derwent citation
    P - Patent cited within NPL group
    J - Patent Abstracts of Japan citation (REC 067)
    S - Serial / Journal / Periodical citation
    W - World Wide Web / Internet search citation

    medium - the type of medium eg.
              CD (CD-ROM), MT (Magnetic Tape), DISK, ONLINE
    file - file name on local systems eg. XP number in EPO
    url - where possible give full web link to document

-->
<!ELEMENT nplcit (text | (article | book | online | othercit)*)>

<!--
  nplcit id ID #IMPLIED
         num CDATA #REQUIRED
         npl-type CDATA #IMPLIED
         medium CDATA #IMPLIED
-->
```

```

        file      CDATA  #IMPLIED
        url       CDATA  #IMPLIED
        lang      CDATA  #IMPLIED
        class-type CDATA  #IMPLIED >
<!--
    Reference number (general); for the EP0 this is the XP number

        -->
<!ELEMENT refno (#PCDATA)>

<!ATTLIST refno  id ID  #IMPLIED >
<!--
    author
    Prime responsibility for the work
    there is no distinguishing between personal and corporate authors
    <author> followed by name or addressbook information
    use the ID attribute if, for example, there is a need to
    distinguish between multiple authors. Can also include
    affiliation details

    Recommended id = auth01, auth02, etc.

        -->
<!ELEMENT author (%name_group; | addressbook)>

<!ATTLIST author  id ID  #IMPLIED >
<!--
    ADDRESSBOOK GROUP:
    Holds name and contact information for individuals/organizations

    The LANG attribute is REQUIRED for certain document types, e.g.
    the JPO PCT Request where names and addresses may be repeated in
    two different languages. If no structure possible use text.

        -->
<!ELEMENT addressbook ((%name_group; , address , phone* , fax* , email* , url* ,
ead*
                        , dtext?) | text)>

<!ATTLIST addressbook  lang CDATA  #REQUIRED >
<!--
    PATENT CITATIONS:
    Patent Citation within abstract, description or claims.
    For patent citations within Search Report see Search Report DTD
    Notes:
    Tags arranged according to WIPO ST.14 order.
    This can be free text data without any structure (text).

    Example:
    <patcit id="pcit1" dnum="US4793675A" dnum-type="publication number">
    <document-id><country>US</country>
    <doc-number>4793675</doc-number><kind>A</kind>
    <name>Handa</name>
    <date>19881227</date></document-id>
    </patcit>

    Note: it is NOT expected that the applicant will create the
    tagged data - it could be generated from a 'pull down'
    data entry form or generated from internal SR databases

    Attributes (recommended):
        id    - pcit01, pcit02, etc.
        num   - 001, 002, etc.
        dnum  - use full number as one string, eg, "US5401234A";
        url   - where possible give full web link to patent

```

file - file name eg. if stored on local systems
dnum-type - type of document number (e.g., application number, publication number)

```
-->
<!ELEMENT patcit (text | (document-id , rel-passage*))>

<!ATTLIST patcit  id      ID      #IMPLIED
                  dnum    CDATA   #IMPLIED
                  file    CDATA   #IMPLIED
                  url     CDATA   #IMPLIED
                  num     CDATA   #REQUIRED
                  dnum-type CDATA  #IMPLIED >

<!--
  Document identification refers to patents (and patent
  applications) only.  See WIPO ST.14

-->
<!ELEMENT document-id (country , doc-number , kind? , name? , date?)>

<!ATTLIST document-id  lang CDATA  #IMPLIED >
<!--
  name: if no distinction or detail can be given.
  Also to be used for: personal (natural person) and corporate
  (legal entity) names

-->
<!ELEMENT name (#PCDATA)>

<!ATTLIST name  name-type (legal | natural ) #IMPLIED >
<!--
  heading text; see Rule 5.  Recommended id = h01, h02, etc.

-->
<!ELEMENT heading (#PCDATA | b | i | u | sup | sub | smallcaps)*>

<!ATTLIST heading  level (1 | 2 | 3 ) #IMPLIED
                  id     ID  #IMPLIED >
<!--
  Title of the Invention: preferably two to seven words when
  in English or translated into English and precise. (Rule 4.3)

  Recommended id = 'inv't'

-->
<!ELEMENT invention-title (#PCDATA | b | i | u | sup | sub)*>

<!ATTLIST invention-title  id     ID      #IMPLIED
                          lang CDATA  #IMPLIED >
<!--
  underscore: style - single is default

-->
<!ELEMENT u (#PCDATA | b | i | smallcaps)*>

<!ATTLIST u  style (single | double | dash | dots ) 'single' >
<!--
  doc-page - DOCUMENT or PAGE

  This is primarily to be used when data for the whole or
  major sections of an application are in image format
  OR other formats such as pdf. Page range attributes are
  given when required pp- page range ppf - first page
  ppl - last page (for pdf). The 'img' may also be used
  for complete pages, eg. in drawings

  Recommended id = docp01, docp02, etc.
```

```
-->
<!ELEMENT doc-page EMPTY>

<!ATTLIST doc-page id ID #IMPLIED
    he NMTOKEN #REQUIRED
    wi NMTOKEN #REQUIRED
    type (jpg | pdf | tif ) #REQUIRED
    alt CDATA #IMPLIED
    pp CDATA #IMPLIED
    ppf CDATA #IMPLIED
    ppl CDATA #IMPLIED
    file CDATA #REQUIRED
    color (color | bw ) #IMPLIED
    orientation (portrait | landscape ) 'portrait' >
<!--
    drawings: PCT Article 7 / Rule 7
    Drawings shall be required when they are necessary for
    the understanding of the invention.

    Recommended id = 'draw'

-->
<!ELEMENT drawings (doc-page+ | figure+)>

<!ATTLIST drawings %body_sections; >
<!--
    ABSTRACT: PCT Rule 8
    A concise summary of the disclosure, 50-150 words.

    Recommended id = 'abst'

-->
<!ELEMENT abstract (doc-page+ | (abst-problem , abst-solution) | p+)>

<!ATTLIST abstract %body_sections; >
<!--
    claims:
    the claims shall define the matter sought for patent and be
    supported by the description.

    Recommended id = 'claim'

-->
<!ELEMENT claims (doc-page+ | claim+)>

<!ATTLIST claims %body_sections; >
<!--
    The text of the claim; also used for for sub-para indentation

-->
<!ELEMENT claim-text (#PCDATA | claim-text | claim-ref | b | i | u | sup | sub
    | smallcaps | br | crossref | img | chemistry | maths |
    tables)*>

<!--
    br - break, line break within a paragraph

-->
<!ELEMENT br EMPTY>

<!--
    description:
    The description must disclose the invention in a manner
    sufficiently clear and complete for it to be carried out
    by a person skilled in the art (Rule 5).
```

```
Recommended id = 'desc'

-->
<!ELEMENT description (doc-page+ | (invention-title? , (technical-field
| background-art | disclosure | description-of-drawings
| best-mode | mode-for-invention | industrial-applicability
| sequence-list-text | (heading* , p+)+))>

<!ATTLIST description %body_sections; >
<!--
  definition description

-->
<!ELEMENT dd (#PCDATA | b | i | u | sup | sub | smallcaps | br | patcit | nplcit
| bio-deposit | crossref | img | ul | ol | chemistry | maths)*>

<!--
  identifies the period of time during which the depository must
  be able to furnish samples of the biological material.

-->
<!ELEMENT term (#PCDATA)>

<!--
  biological accession number: the identification assigned
  to the biological material by the depository

-->
<!ELEMENT bio-accno (#PCDATA)>

<!--
  information regarding the facility storing the biological deposit

-->
<!ELEMENT depository (#PCDATA | address)*>

<!--
  other citations - free form

-->
<!ELEMENT othercit (#PCDATA)>

<!--
  online citation
  Revised according to ISO-690-2 - Electronic documents and parts thereof.
  Please refer to this standard for definitions and examples.
  See: http://www.nlc-bnc.ca/iso/tc46sc9/standard/690-2e.htm#Contents
  The tagging in fact is a mixture of article and book tags
  together with specific electronic source tags
  'Online' is taken to mean any kind of electronic documentation:
  databases, internet, CD-Roms, DVD, email, etc

  EXAMPLES;;

  Kirk-Othmer Encyclopedia of Chemical Technology [online].
  3rd ed. New York : John Wiley, 1984 [cited 3 January 1990].
  Available from: DIALOG Information Services, Palo Alto (Calif.).

  <nplcit id="ncit1" num="0001" type="E" medium="online">
  <online>
  <online-title>Kirk-Othmer Encyclopedia of Chemical Technology
  </online-title>
  <edition>3rd ed.</edition>
  <imprint><address><text>New York</text>
  </address>
  <name>John Wiley</name>
  <pubdate>19840000</pubdate></imprint>
  <avail>dialog information services, palo alto (calif.).</avail>
```

```
<datecit><date>19900103</date></datecit>
</online>
</nplcit>
```

* Article on Internet:

Clark, Carol. On the Threshold of a Brave New World.
In Blueprint of the Body [online]. CNN.com, 2000. [cited 24 August 2000;
10:25 EST]. In-depth specials.

Available from: [http://www.cnn.com/SPECIALS/2000/genome/story/overview/]

```
<nplcit id="ncit1" num="0002" type="E" medium="online">
<online>
<author><name>Clark, Carol</name></author>
<online-title>On the Threshold of a Brave New World</online-title>
<imprint><name>CNN.com, 2000</name></imprint>
<series><text>In-depth specials</text></series>
<avail>http://www.cnn.com/SPECIALS/2000/genome/story/</avail>
<datecit><date>20000824; 10:25 est</date></datecit>
</online>
</nplcit>
```

* Personal communication (e-mail)

Thacker, Jane. MPEG-21 project stream on digital item identification
[online].
Message to: [iso.tc46.sc9@nlc-bnc.ca]. 3 October 2000; 13:33 EST [cited 6
October 2000; 13:10 EST].
Message-ID: [002f01c02d60\$051a64a0\$22a2580c@vaio]. Personal communication.

```
<nplcit id="ncit3" num="0003" type="E" medium="online">
<online>
<author><name>Thacker, Jane</name></author>
<online-title>MPEG-21 project stream on digital item identification
</online-title>
<subname><name>Message to: <iso.tc46.sc9@nlc-bnc.ca>
</name></subname>
<pubdate>3 October 2000; 13:33 EST</pubdate>
<notes>Personal communication</notes>
<avail>Message-ID: <002f01c02d60$051a64a0$22a2580c@vaio>
</avail>
<datecit><date>6 october 2000; 13:10 EST</date></datecit>
</online>
</nplcit>
```

```
-->
<!ELEMENT online (text | (author* , online-title* , hosttitle? , subname? ,
edition?
, (serial | book)? , imprint? , pubdate? , history? , series? ,
hostno?
, location? , notes? , avail , class* , keyword* , cpyrt? , issn? ,
isbn?
, datecit? , srchterm* , srchdate? , refno*))>
```

```
<!--
Date of search/retrieval YYYYMMDD
```

```
-->
<!ELEMENT srchdate (date)>
```

```
<!--
Search terms
```

```
-->
<!ELEMENT srchterm (#PCDATA)>
```

```
<!--
```

date cited - date on which the citation was cited.
May be different from srchdate below

```
-->
<!ELEMENT datecit (date)>

<!--
Availability and access - REQUIRED
use for URL, online database, ftp address, email, etc.;
e.g. Available from Internet: http://www.epoline.org
     Available from DIALOG Information Systems, Palo Alto (Calif.)
-->
<!ELEMENT avail (#PCDATA)>

<!--
numeration within host document
-->
<!ELEMENT hostno (#PCDATA)>

<!--
history of the article (not serial)
-->
<!ELEMENT history (text | (received | accepted | revised | misc))>

<!--
miscellaneous information relating to the history of the article;
see ISO 12083
-->
<!ELEMENT misc (#PCDATA | date)*>

<!--
date article was revised
-->
<!ELEMENT revised (date)>

<!--
date article was accepted
-->
<!ELEMENT accepted (date)>

<!--
date article was received
-->
<!ELEMENT received (date)>

<!--
title of the host document/database
-->
<!ELEMENT hosttitle (#PCDATA)>

<!--
the title of the electronic resource
-->
<!ELEMENT online-title (#PCDATA)>

<!--
article citations within a 'host' document

After patent citations the most common citations are
```

articles within serials (periodicals, magazines), books and electronic (eg. internet) sources.

This is a very complex and varied area to standardise. The tag set below is drawn from a number of sources as is the order of the tags (which in any case can be changed depending on the stylesheet used).;

The order of tags is that of WIPO ST.14 / ISO 690 layout
DROP, J.G. Integrated Circuit Personalization at
the Module Level. IBM Tech. Dis. Bull. October 1974,
Vol. 17, No. 5, p. 1344 and 1345.
[XPnnnnnnnnnnn].

```
<nplcit id="ncit1" num="0012" type="S" file="XP1234456">
<article>
<author>
<name>DROP, J.G.</name></author>
<atl>Integrated Circuit Personalization at the Module Level</atl>
<serial>
<sertitle>IBM Tech. Dis. Bull.</sertitle>
<pubdate>19741000</pubdate>
<vid>17</vid>
<ino>5</ino>
</serial>
<location><pp>1344 and 1345</pp></location>
<refno id="XP1">XP1234456</refno>
</article>
</nplcit>
```

Note: it is NOT expected that the applicant will create the tagged data - it can be generated from a 'pull down' data entry form (eg. in Word) or generated from internal SR databases

```
-->
<!ELEMENT article (text | (author* , atl? , subname? , (serial | book) , absno? , location? , class* , keyword* , cpyrt? , artid? , refno*))>
```

```
<!--
Article unique ID - assigned by a publisher to an article
```

```
-->
<!ELEMENT artid (#PCDATA)>
```

```
<!--
book citation
In the order specified by WIPO ST.14 and ISO 690
and AACR2 rules for layout
```

WALTON, Herrmann. Microwave quantum theory.
London : Sweet and Maxwell, 1973. ISBN 0123456789.
Vol.2, p. 138 to 192.

```
<nplcit id="ncit12" num="0013" type="b">
<book>
<author>
<name>WALTON, Herrman</name></author>
<book-title>Microwave quantum theory</book-title>
<imprint><address><text>London</text></address>
<name>Sweet and Maxwell</name>
<pubdate>19730000</pubdate></imprint>
<location><pp>138 to 192</pp></location>
<isbn>0-1234-568-9</isbn>
</book>
</nplcit>
```

```
-->
<!ELEMENT book (text | (author* , (book-title+ | conference) , (subtitle? ,
```

```
subname*
    , edition? , imprint? , descrip? , series? , absno? , location*
    , isbn* , pubid? , vid? , bookno? , notes? , class* , keyword*
    , cpyrt? , refno*))>

<!--
    Keyword; e.g., from a Thesaurus or class. scheme

        -->
<!ELEMENT keyword (#PCDATA)>

<!--
    classification code; e.g. ipc, dewey etc.

        -->
<!ELEMENT class (#PCDATA)>

<!--
    book number

        -->
<!ELEMENT bookno (#PCDATA)>

<!--
    location within the cited work

        -->
<!ELEMENT location (text | (serpart? , sersect? , chapter? , pp? , column? , para?
, line?))>

<!--
    referenced line within cited work

        -->
<!ELEMENT line (#PCDATA | linef | line1)*>

<!--
    cited document line, last

        -->
<!ELEMENT line1 (#PCDATA)>

<!--
    cited document line, first

        -->
<!ELEMENT linef (#PCDATA)>

<!--
    referenced paragraph within cited work

        -->
<!ELEMENT para (#PCDATA | paraf | paral)*>

<!--
    cited paragraph, last

        -->
<!ELEMENT paral (#PCDATA)>

<!--
    cited paragraph, first

        -->
<!ELEMENT paraf (#PCDATA)>

<!--
    cited document column numbers
```

```

-->
<!ELEMENT column (#PCDATA | colf | coll)*>
<!--
  cited document column, last
-->
<!ELEMENT coll (#PCDATA)>
<!--
  cited document column, first
-->
<!ELEMENT colf (#PCDATA)>
<!--
  cited document page numbers
-->
<!ELEMENT pp (#PCDATA | ppf | ppl)*>
<!--
  cited document page, last
-->
<!ELEMENT ppl (#PCDATA)>
<!--
  cited document page , first
-->
<!ELEMENT ppf (#PCDATA)>
<!--
  chapter, e.g., in a book. Example: Chapter 2
-->
<!ELEMENT chapter (#PCDATA)>
<!--
  serial section
-->
<!ELEMENT sersect (#PCDATA)>
<!--
  part within a serial
-->
<!ELEMENT serpart (#PCDATA)>
<!--
  Abstract number
-->
<!ELEMENT absno (#PCDATA)>
<!--
  series statement
-->
<!ELEMENT series (text | (mst , msn? , issn?))>
<!--
  monographic series number
-->
```

```
<!-- ELEMENT msn (#PCDATA)>
<!--
    monographic series title
-->
<!-- ELEMENT mst (#PCDATA)>
<!--
    edition statement
-->
<!-- ELEMENT edition (#PCDATA)>
<!--
    book subtitle
-->
<!-- ELEMENT subtitle (#PCDATA)>
<!--
    CONFERENCE GROUP / CITATION
    There is no standard way of citing conference proceedings;
    date of the conf. may come before or after place, for example.
    The tags are specified in a set order where it is not possible
    or correct then simply use <text>
-->
<!-- ELEMENT conference (text | (conftitle , date? , confno? , confplace? ,
confsponsor*))>
<!--
    Conference sponsor
-->
<!-- ELEMENT confsponsor (#PCDATA | addressbook)*>
<!--
    Conference place
-->
<!-- ELEMENT confplace (#PCDATA | address)*>
<!--
    Conference number
-->
<!-- ELEMENT confno (#PCDATA)>
<!--
    Conference title
-->
<!-- ELEMENT conftitle (#PCDATA)>
<!--
    the title of the cited book
-->
<!-- ELEMENT book-title (#PCDATA)>
<!--
    serial citation data:
    this describes the volume or issue as a whole and not a
    particular article within it.
-->
<!-- ELEMENT serial (sertitle , alttitle? , subname? , issue? , imprint? , pubdate?
```

```
, descrip? , notes? , issn? , isbn? , pubid? , vid? , ino? ,  
cpyrt?)>  
<!--  
    copyright info. Copyright of publisher of serial  
-->  
<!--ELEMENT cpyrt (#PCDATA)>  
<!--  
    issue number  
-->  
<!--ELEMENT ino (#PCDATA)>  
<!--  
    Volume id/number  
-->  
<!--ELEMENT vid (#PCDATA)>  
<!--  
    Publisher's unique id  
-->  
<!--ELEMENT pubid (#PCDATA)>  
<!--  
    International standard book number  
-->  
<!--ELEMENT isbn (#PCDATA)>  
<!--  
    International standard serial number  
-->  
<!--ELEMENT issn (#PCDATA)>  
<!--  
    notes about the journal; e.g. Continues Journal of XYZ 1910-1998,  
    published in French and English, etc.  
-->  
<!--ELEMENT notes (#PCDATA)>  
<!--  
    Physical description - generally NOT used in citations in pats.  
    eg. v., 27cm  
-->  
<!--ELEMENT descrip (#PCDATA)>  
<!--  
    imprint:  
    Publication / creation data  
    Place of publication : publisher, date(s) of publication  
    usually only date of publication is used for journal citations  
-->  
<!--ELEMENT imprint (text | (address? , name , pubdate*))>  
<!--  
    publication date used in npl citations  
-->  
<!--ELEMENT pubdate (#PCDATA | sdate | edate | time)*>
```

```
<!--  
    time; format HHMM  
-->  
<!ELEMENT time (#PCDATA)>  
  
<!--  
    end date used in pubdate  
-->  
<!ELEMENT edate (#PCDATA)>  
  
<!--  
    start date used in pubdate  
-->  
<!ELEMENT sdate (#PCDATA)>  
  
<!--  
    issue designation; e.g.: Annual, 1971-, 1890-1972  
-->  
<!ELEMENT issue (#PCDATA)>  
  
<!--  
    Alternate title for serial eg. BMJ = British Medical Journal  
-->  
<!ELEMENT alttitle (#PCDATA)>  
  
<!--  
    serial title  
-->  
<!ELEMENT sertitle (#PCDATA)>  
  
<!--  
    Subordinate responsibility, e.g. editor, translator, etc.  
-->  
<!ELEMENT subname (%name_group; | addressbook)>  
  
<!--  
    article title  
-->  
<!ELEMENT atl (#PCDATA)>  
  
<!--  
    Descriptive text  
-->  
<!ELEMENT dtext (#PCDATA)>  
  
<!--  
    Universal Resource Locator; e.g. www.wipo.int  
-->  
<!ELEMENT url (#PCDATA)>  
  
<!--  
    fax number  
-->  
<!ELEMENT fax (#PCDATA)>  
  
<!--
```

```
telephone number

-->
<!ELEMENT phone (#PCDATA)>

<!--
email address

-->
<!ELEMENT email (#PCDATA)>

<!--
electronic address use for other than email

-->
<!ELEMENT ead (#PCDATA)>

<!--
address components:
Address formats differ from country to country
If no structure possible use text

-->
<!ELEMENT address (%address_group;)>

<!--
postal code or zip code

-->
<!ELEMENT postcode (#PCDATA)>

<!--
Region of country eg. state, province, etc.

-->
<!ELEMENT state (#PCDATA)>

<!--
County, parish, department, etc (mainly UK, USA)

-->
<!ELEMENT county (#PCDATA)>

<!--
City or town name

-->
<!ELEMENT city (#PCDATA)>

<!--
street may contain house number or name

-->
<!ELEMENT street (#PCDATA)>

<!--
building information in address, e.g., Hoffman building

-->
<!ELEMENT building (#PCDATA)>

<!--
address floor, e.g., 10th

-->
<!ELEMENT address-floor (#PCDATA)>
```

```
<!--  
    address room; e.g., Room 55B  
-->  
<!ELEMENT room (#PCDATA)>  
  
<!--  
    Post Office Box number  
-->  
<!ELEMENT pobox (#PCDATA)>  
  
<!--  
    organizational mail code  
-->  
<!ELEMENT mailcode (#PCDATA)>  
  
<!--  
    Address, third line  
-->  
<!ELEMENT address-3 (#PCDATA)>  
  
<!--  
    Address, second line  
-->  
<!ELEMENT address-2 (#PCDATA)>  
  
<!--  
    Address, first line  
-->  
<!ELEMENT address-1 (#PCDATA)>  
  
<!--  
    registered number  
-->  
<!ELEMENT registered-number (#PCDATA)>  
  
<!--  
    synonym  
-->  
<!ELEMENT synonym (#PCDATA)>  
  
<!--  
    department, division, section, etc. name  
-->  
<!ELEMENT department (#PCDATA)>  
  
<!--  
    organisation name or company name  
-->  
<!ELEMENT orgname (#PCDATA)>  
  
<!--  
    role, e.g. President, Chairman, etc.  
-->  
<!ELEMENT role (#PCDATA)>  
  
<!--
```

```
individual id

-->
<!ELEMENT iid (#PCDATA)>

<!--
  name suffix (e.g., II, Jr., Dip., Ing., BA, etc.)
-->
<!ELEMENT suffix (#PCDATA)>

<!--
  middle name(s) or initial(s)
-->
<!ELEMENT middle-name (#PCDATA)>

<!--
  First or given name(s), initial(s)
-->
<!ELEMENT first-name (#PCDATA)>

<!--
  last, family, surname
-->
<!ELEMENT last-name (#PCDATA)>

<!--
  title: e.g., Mr., Mrs., Dr. etc
-->
<!ELEMENT prefix (#PCDATA)>

<!--
  Relevant passage group within patent; most used in search
  reports - use text in abstract, description and claims
-->
<!ELEMENT rel-passage (text | (passage+ , category? , rel-claims?)+)>

<!--
  relevant claims
-->
<!ELEMENT rel-claims (#PCDATA)>

<!--
-->
<!ELEMENT category (#PCDATA)>

<!--
  passage within the cited patent literature
-->
<!ELEMENT passage (#PCDATA)>

<!--
  date: components of a date.  Format: YYYYMMDD
-->
<!ELEMENT date (#PCDATA)>

<!--
  document kind code; e.g. A1
-->
<!ELEMENT kind (#PCDATA)>
```

```

<!--
  the number of the referenced patent (or application) document
-->
<!ELEMENT doc-number (#PCDATA)>

<!--
  Country: use ST.3 country code, e.g. DE, FR, GB, NL, etc.
  Also includes EP, WO
-->
<!ELEMENT country (#PCDATA)>

<!--
  if no structure is possible, enter text (without markup)
-->
<!ELEMENT text (#PCDATA)>

<!--
  subscripted text
-->
<!ELEMENT sub (#PCDATA | b | u | i | sup2 | sub2)*>

<!--
  nested subscript
-->
<!ELEMENT sub2 (#PCDATA | b | u | i)*>

<!--
  superscripted text
-->
<!ELEMENT sup (#PCDATA | b | u | i | sup2 | sub2)*>

<!--
  nested superscript
-->
<!ELEMENT sup2 (#PCDATA | b | u | i)*>

<!--
  bold formatting for text
-->
<!ELEMENT b (#PCDATA | i | u | smallcaps)*>

<!--
  italic formatting for text
-->
<!ELEMENT i (#PCDATA | b | u | smallcaps)*>

<!--
  small capitals
-->
<!ELEMENT smallcaps (#PCDATA | b | u | i)*>

```

Request version 1.2:

```

<!ENTITY % address_group
      "((address-1? , address-2? , address-3? , mailcode?
        , pobox? , room? , address-floor? , building?

```

```
, street? , city? , county? , state? , postcode?
, country) | text)" >

<!ENTITY % name_group
    "(name | (prefix? , (last-name | orgname) , first-name?
    , middle-name? , suffix? , iid? , role? , orgname?
    , department? , synonym*)) , registered-number?)" >

<!ENTITY % page_count " page-count CDATA #IMPLIED" >

<!--
*****
* Request v1.2 2003 MAY *
*****
* PUBLIC "-//WIPO//DTD REQUEST 1.2//EN" "request-v1-2.dtd" *
*****
* http://pcteasy.wipo.int/efiling_standards/schemaDocs/1.2/ *
* request-v1-2.dtd *
* contacts: *
* EPO: Paul Brewin; pbrewin@epo.org *
* JPO: Shiro Ankyu; ankyu-shiro@jpo.go.jp *
* USPTO: Bruce B. Cox; bruce.cox@uspto.gov *
* WIPO: John Dunning; john.dunning@wipo.int *
* WIPO: Hideto Tanaka; hideto.tanaka@wipo.int *
*****
* Revision History *
*****
JD & HT, 05/03 Revising for PCT rule changes
..added cl-sequence-listing-table
..added attribute 'carriers' to cl-sequence-listing and cl-sequence-listing-table
...(see Box IX)
..made dtext repeatable
..made precautionary-designation-statement optional
..added attributes 'ppf' and 'ppl' to cl-abstract, cl-description, cl-claims
..added attribute 'fig-count' to cl-
drawings*****

PCT REQUEST FORM : R0101 (root element)

attributes for request

Attributes:
lang = language of application - use ISO639 language code
dtd-version = dtd version number
file = filename of the whole application
status = status of the application;
        values = new, working-copy, record-copy, search-copy
date-produced = YYYYMMDD e.g, 20011230
if desired, 12 characters maximum
ro = Receiving office name, country code ST.3
produced-by = creator of this document

-->
<!ELEMENT request ((file-reference-id?,request-petition,invention-title?,parties,
    designation-of-states?,priority-claims?,search-authority?,
    declarations?,check-list?,figure-to-publish?,language-of-filing?,
    signatories?,dtext*,office-specific-data*) |
    doc-page+) >

<!ATTLIST request
    lang CDATA #REQUIRED
    dtd-version CDATA #IMPLIED
    file CDATA #IMPLIED
    status CDATA #IMPLIED
    date-produced CDATA #IMPLIED
    ro CDATA #REQUIRED
    produced-by (applicant | R0 | ISA | IPEA | IB | DO | EO)
    #REQUIRED >
```

```
<!--applicant's or agent's file reference, if desired,
12 characters maximum

-->
<!ELEMENT file-reference-id (#PCDATA) >

<!--(PCT Rule 4.1(a)):
"The request shall contain:
(i) a petition,"
(PCT Rule 4.2):
"The petition shall be to the following effect and shall preferably
be worded as follows: 'The undersigned requests that the present
international application be processed according to the Patent
Cooperation Treaty.'"

-->
<!ELEMENT request-petition (#PCDATA) >

<!--Title of the Invention: preferably two to seven words when
in English or translated into English and precise. (Rule 4.3)

Recommended id = 'inv't'

-->
<!ELEMENT invention-title (#PCDATA | b | i | u | sup | sub)* >

<!ATTLIST invention-title
            id ID      #IMPLIED
            lang CDATA  #IMPLIED >

<!--bold formatting for text

-->
<!ELEMENT b (#PCDATA | i | u | smallcaps)* >

<!--italic formatting for text

-->
<!ELEMENT i (#PCDATA | b | u | smallcaps)* >

<!--underscore: style - single is default

-->
<!ELEMENT u (#PCDATA | b | i | smallcaps)* >

<!ATTLIST u
            style (single | double | dash | dots) "single" >

<!--small capitals

-->
<!ELEMENT smallcaps (#PCDATA | b | u | i)* >

<!--superscripted text

-->
<!ELEMENT sup (#PCDATA | b | u | i)* >

<!--subscripted text

-->
<!ELEMENT sub (#PCDATA | b | u | i)* >

<!--PCT/R0/101 Box No.II, III and IV APPLICANTS, FURTHER APPLICANT(S)
AND/OR (FURTHER) INVENTOR(S)AGENT OR COMMON REPRESENTATIVE;
OR ADDRESS FOR CORRESPONDENCE (PCT Rule 4.5, 4.6, 4.7, 4.8)
```

```
-->
<!ELEMENT parties (applicants,inventors?,correspondence-address?,agents?) >

<!--Applicants information:
At least one of the applicants named must be a resident or national
of a PCT Contracting State for which the receiving Office acts.

-->
<!ELEMENT applicants (applicant+) >

<!--Applicant information:
attributes for applicant
sequence : sequence number of each applicant
e.g, sequence="1"
app-type : applicant type
app-type="applicant" : the applicant is only applicant
app-type="applicant-inventor" : the applicant is
also inventor
designation: This person is applicant for the purpose of:
designation="all" : all designated states
designation="all-except-us" : all designated states
except US
designation="us-only" : US only
designation="as-indicated" : the states indicated in
designated-states element
under applicant element

-->
<!ELEMENT applicant (addressbook+,nationality,residence,us-rights*,
designated-states?,designated-states-as-inventor?) >

<!ATTLIST applicant
sequence CDATA #REQUIRED
app-type (applicant | applicant-inventor) #REQUIRED
designation (all | all-except-us | us-only | as-indicated)
#REQUIRED >

<!--ADDRESSBOOK GROUP:
Holds name and contact information for individuals/organizations

The LANG attribute is REQUIRED for certain document types, e.g.
the JPO PCT Request where names and addresses may be repeated in
two different languages. If no structure possible use text.

-->
<!ELEMENT addressbook (((name | (prefix?,(last-name | orgname),first-name?,
middle-name?,suffix?,iid?,role?,orgname?,department?,synonym*)),
registered-number?),address,phone*,fax*,email*,url*,ead*,dtext?) |
text) >

<!ATTLIST addressbook
lang CDATA #REQUIRED >

<!--name: if no distinction or detail can be given.
Also to be used for: personal (natural person) and corporate
(legal entity) names

-->
<!ELEMENT name (#PCDATA) >

<!ATTLIST name
name-type (legal | natural) #IMPLIED >

<!--title: e.g., Mr., Mrs., Dr. etc

-->
<!ELEMENT prefix (#PCDATA) >
```

```
<!--last, family, surname
-->
<!ELEMENT last-name (#PCDATA) >

<!--organisation name or company name
-->
<!ELEMENT orgname (#PCDATA) >

<!--First or given name(s), initial(s)
-->
<!ELEMENT first-name (#PCDATA) >

<!--middle name(s) or initial(s)
-->
<!ELEMENT middle-name (#PCDATA) >

<!--name suffix (e.g., II, Jr., Dip., Ing., BA, etc.)
-->
<!ELEMENT suffix (#PCDATA) >

<!--individual id
-->
<!ELEMENT iid (#PCDATA) >

<!--role, e.g. President, Chairman, etc.
-->
<!ELEMENT role (#PCDATA) >

<!--department, division, section, etc. name
-->
<!ELEMENT department (#PCDATA) >

<!--synonym
-->
<!ELEMENT synonym (#PCDATA) >

<!--registered number
-->
<!ELEMENT registered-number (#PCDATA) >

<!--address components:
Address formats differ from country to country
If no structure possible use text

-->
<!ELEMENT address ((address-1?,address-2?,address-3?,mailcode?,pobox?,room?,
                    address-floor?,building?,street?,city?,county?,state?,postcode?,
                    country) | text) >

<!--Address, first line
-->
<!ELEMENT address-1 (#PCDATA) >

<!--Address, second line
```

```
-->
<!ELEMENT address-2 (#PCDATA) >

<!--Address, third line

-->
<!ELEMENT address-3 (#PCDATA) >

<!--organizational mail code

-->
<!ELEMENT mailcode (#PCDATA) >

<!--Post Office Box number

-->
<!ELEMENT pobox (#PCDATA) >

<!--address room; e.g., Room 55B

-->
<!ELEMENT room (#PCDATA) >

<!--address floor, e.g., 10th

-->
<!ELEMENT address-floor (#PCDATA) >

<!--building information in address, e.g., Hoffman building

-->
<!ELEMENT building (#PCDATA) >

<!--street may contain house number or name

-->
<!ELEMENT street (#PCDATA) >

<!--City or town name

-->
<!ELEMENT city (#PCDATA) >

<!--County, parish, department, etc (mainly UK, USA)

-->
<!ELEMENT county (#PCDATA) >

<!--Region of country eg. state, province, etc.

-->
<!ELEMENT state (#PCDATA) >

<!--postal code or zip code

-->
<!ELEMENT postcode (#PCDATA) >

<!--Country: use ST.3 country code, e.g. DE, FR, GB, NL, etc.
Also includes EP, WO

-->
<!ELEMENT country (#PCDATA) >

<!--if no structure is possible, enter text (without markup)

-->
<!ELEMENT text (#PCDATA) >
```

```
<!--telephone number
-->
<!ELEMENT phone (#PCDATA) >

<!--fax number
-->
<!ELEMENT fax (#PCDATA) >

<!--email address
-->
<!ELEMENT email (#PCDATA) >

<!--Universal Resource Locator; e.g. www.wipo.int
-->
<!ELEMENT url (#PCDATA) >

<!--electronic address use for other than email
-->
<!ELEMENT ead (#PCDATA) >

<!ELEMENT dtext (#PCDATA) >

<!--country of nationality
-->
<!ELEMENT nationality (country) >

<!--country of residence
-->
<!ELEMENT residence (country) >

<!--This person is successor to the rights of an inventor who is
deceased, insane, or legally incapacitated, for the purposes
of the designation of the United States of America
-->
<!ELEMENT us-rights (#PCDATA) >

<!ATTLIST us-rights
    to-dead-inventor CDATA #REQUIRED
    kind (heir | heiress | executor | executrix | estate) #REQUIRED >

<!--indication of specific Contracting States in or for which
the applicant is seeking protection for his invention
(Rule 4.9(a))
-->
<!ELEMENT designated-states (country*,(region,country+)*) >

<!--the region for which protection or exclusion (depending upon
context) is desired
-->
<!ELEMENT region (country) >

<!--Rule 4.6(c):
"The request may, for different designated states, indicate
different persons as inventors where, in this respect, the
requirements of the national laws of the designated States
are not the same. In such a case, the request shall contain
a separate statement for each designated State or group of
```

```
States in which a particular person, or the same person, is
to be considered the inventor, or in which particular persons,
or the same persons, are to be considered the inventors."

-->
<!ELEMENT designated-states-as-inventor (country*,(region,country+)* ) >

<!--Inventors information:
If the US is designated, all of the inventors must also
be named as applicants for purposes of that designation.

-->
<!ELEMENT inventors (inventor | deceased-inventor)+ >

<!--the individual or entity responsible for creating the
matter that protection is sought for

-->
<!ELEMENT inventor (addressbook+,designated-states?) >

<!ATTLIST inventor
    sequence CDATA #REQUIRED
    designation (all | all-except-us | us-only | as-indicated)
    #IMPLIED >

<!--deceased inventor name

-->
<!ELEMENT deceased-inventor ((name | (prefix?,(last-name | orgname),first-name?,
    middle-name?,suffix?,iid?,role?,orgname?,department?,synonym*)),
    registered-number?) >

<!ATTLIST deceased-inventor
    sequence CDATA #IMPLIED
    lang CDATA #IMPLIED >

<!--address used for general correspondence

-->
<!ELEMENT correspondence-address (customer-number | addressbook+) >

<!--customer number for agents by office

-->
<!ELEMENT customer-number (#PCDATA) >

<!--information regarding Agents or common representatives

-->
<!ELEMENT agents (customer-number | agent+) >

<!--Agent or common representative (Rules 90.1, 90.2)

-->
<!ELEMENT agent (addressbook+) >

<!ATTLIST agent
    sequence CDATA #REQUIRED
    rep-type (agent | attorney | common-representative) #REQUIRED >

<!--PCT/R0/101 Box No.V Designation Of States (PCT Rule 4.9)

-->

<!-- changing to allow backwards compatibility; compare with old dtd and TEST -->
<!ELEMENT designation-of-states (designation-pct,(
    precautionary-designation-statement?,exclusion-from-designation?)) >
```

```
<!--the Contracting States in which protection is desired
(Rules 4.1(a)(iv) and 4.9(a))

-->
<!ELEMENT designation-pct (regional*,national?,new-designation-country*) >

<!--regional (as opposed to national) protection being sought

-->
<!ELEMENT regional (region,(country,protection-request*)+,any-other-state?) >

<!--protection request for the designated office.

-->
<!ELEMENT protection-request (kind-of-protection,document-id?) >

<!--kind of protection; e.g., patent, utility model

-->
<!ELEMENT kind-of-protection (#PCDATA) >

<!--Document identification refers to patents (and patent
applications) only. See WIPO ST.14

-->
<!ELEMENT document-id (country,doc-number,kind?,name?,date?) >

<!ATTLIST document-id
            lang CDATA      #IMPLIED >

<!--the number of the referenced patent (or application) document

-->
<!ELEMENT doc-number (#PCDATA) >

<!--document kind code; e.g. A1

-->
<!ELEMENT kind (#PCDATA) >

<!--date: components of a date. Format: YYYYMMDD

-->
<!ELEMENT date (#PCDATA) >

<!--any other state in which protection is being sought

-->
<!ELEMENT any-other-state EMPTY >

<!--the States for which protection or exclusion (depending upon
context) is desired

-->
<!ELEMENT national (country,protection-request*)+ >

<!--New PCT member country states (e.g., not yet published in WIPO ST.3,
joined after PCT electronic filing software published)

-->
<!ELEMENT new-designation-country (#PCDATA) >

<!--Rule 4.9(b),(c)
In addition to the designations made above [i.e, designation-of
states], the applicant also makes under Rule 4.9(b) all other
designations which would be permitted under the PCT except any
designation(s) indicated in the Supplemental Box [i.e.,
```

```
exclusion-from-designation] as being excluded form the scope of
this statement. The applicant declares that those additional
designations are subject to confirmation and that any designation
which is not confirmed before the expiration of 15 months from
the priority date is to be regarded as withdrawn by the applicant
at the expiration of that time limit.

-->
<!ELEMENT precautionary-designation-statement (#PCDATA) >

<!--state(s) excluded from precautionary designations
under Rule 4.9(b)

-->
<!ELEMENT exclusion-from-designation (regional*,national?) >

<!--PCT/R0/101 BOX No.VI Priority Claim (PCT Rule 4.10)

-->
<!ELEMENT priority-claims (priority-claim+) >

<!--priority claim (PCT Rule 4.10)

-->
<!ELEMENT priority-claim (country,doc-number?,date,office-of-filing?,(
    priority-doc-requested | priority-doc-attached?)) >

<ATTLIST priority-claim
    sequence CDATA #REQUIRED
    kind (national | regional | international) #REQUIRED >

<!--Where the earlier application is an ARIPO application,indicate at
least one country party to the PARIS convention for the protection
of industrial property or one member of the WTO for which that
earlier application was filed.

-->
<!ELEMENT office-of-filing ((region,country?) | country) >

<!--the receiving office is requested to prepare and transmit
to the IB a certified copy of the earlier application

-->
<!ELEMENT priority-doc-requested EMPTY >

<!--the priority document is attached to the application

-->
<!ELEMENT priority-doc-attached EMPTY >

<!--PCT/R0/101 Box No.VII :International Searching Authority

-->
<!ELEMENT search-authority (isa,earlier-search-request?) >

<!--International Search Authority; international search
to be carried out by

-->
<!ELEMENT isa (country) >

<!--request to use results of earlier search;
reference to that search

-->
<!ELEMENT earlier-search-request (document-id+) >

<!--PCT/R0/101 Box No. VIII: DECLARATIONS
```

```
(Rules 4.1(c)(iii) and 4.17)

-->
<!ELEMENT declarations (declaration1?,declaration2?,declaration3?,declaration4?,
                        declaration5?) >

<!--Declaration as to the identity of the inventor
(Rules 4.17(i) and 51bis.1(a)(i))

-->
<!ELEMENT declaration1 EMPTY >

<!ATTLIST declaration1
        quantity CDATA #REQUIRED >

<!--Declaration as applicant's entitlement, as at the international
filing date, to apply for and be granted a patent (Rules 4.17(ii)
and 51bis.1(a)(ii)), in a case where the declaration under Rule
4.17(iv) is not appropriate

-->
<!ELEMENT declaration2 EMPTY >

<!ATTLIST declaration2
        quantity CDATA #REQUIRED >

<!--Declaration as applicant's entitlement, as at the international
filing date, to claim the priority of the earlier application,
where the applicant is not the applicant who filed the earlier
application or where the applicant's name has changed since the
filing of the earlier application
(Rules 4.17(iii) and 51bis.1(a)(iii)).

-->
<!ELEMENT declaration3 EMPTY >

<!ATTLIST declaration3
        quantity CDATA #REQUIRED >

<!--Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for
the purposes of the designation of the United States of America

-->
<!ELEMENT declaration4 EMPTY >

<!ATTLIST declaration4
        quantity CDATA #REQUIRED >

<!--Declaration as to non-prejudicial disclosures or exceptions to
lack of novelty (Rules 4.17(v) and 51bis.1(a)(v))

-->
<!ELEMENT declaration5 EMPTY >

<!ATTLIST declaration5
        quantity CDATA #REQUIRED >

<!--Request (PCT/RO/101) BOX No.IX Check list, figure number to
publish and language of International Application check-list

-->
<!ELEMENT check-list (cl-request?,cl-description?,cl-claims?,cl-abstract?,
                    cl-drawings?,cl-sequence-listing?,cl-sequence-listing-table?,
                    cl-fee-calculation?,cl-separate-power-of-attorney?,
                    cl-general-power-of-attorney?,cl-copy-general-power-of-attorney?,
                    cl-lack-of-signature?,cl-priority-document?,
                    cl-translation-of-application?,cl-biological-material?,
                    cl-other-document*) >
```

```
<!--checklist; the request is being furnished
-->
<!ELEMENT cl-request    EMPTY    >

<!ATTLIST cl-request
          page-count    CDATA      #IMPLIED    >

<!--checklist; a description is being furnished
-->
<!ELEMENT cl-description    EMPTY    >

<!ATTLIST cl-description
          page-count    CDATA      #IMPLIED
          ppf           CDATA      #IMPLIED
          ppl           CDATA      #IMPLIED    >

<!--checklist; claims are being furnished
-->
<!ELEMENT cl-claims    EMPTY    >

<!ATTLIST cl-claims
          page-count    CDATA      #IMPLIED
          ppf           CDATA      #IMPLIED
          ppl           CDATA      #IMPLIED    >

<!--checklist; the abstract is being furnished
-->
<!ELEMENT cl-abstract    EMPTY    >

<!ATTLIST cl-abstract
          page-count    CDATA      #IMPLIED
          ppf           CDATA      #IMPLIED
          ppl           CDATA      #IMPLIED    >

<!--checklist; drawings are being furnished
-->
<!ELEMENT cl-drawings    EMPTY    >

<!ATTLIST cl-drawings
          page-count    CDATA      #IMPLIED
          fig-count     CDATA      #IMPLIED    >

<!--checklist; a sequence listing is being furnished
-->
<!ELEMENT cl-sequence-listing    EMPTY    >

<!ATTLIST cl-sequence-listing
          quantity    CDATA      #REQUIRED
          page-count  CDATA      #IMPLIED
          carriers (internal-electronic | external-electronic | paper)
                  #IMPLIED    >

<!--checklist; a table containing sequence listings is being furnished
-->
<!ELEMENT cl-sequence-listing-table    EMPTY    >

<!ATTLIST cl-sequence-listing-table
          quantity    CDATA      #REQUIRED
          page-count  CDATA      #IMPLIED
          carriers (internal-electronic | external-electronic | paper)
                  #IMPLIED    >
```

```
<!--checklist; a fee calculation sheet is being furnished-->
<!ELEMENT cl-fee-calculation EMPTY >

<!--checklist; a separate power of attorney is being furnished
-->
<!ELEMENT cl-separate-power-of-attorney EMPTY >

<!ATTLIST cl-separate-power-of-attorney
          quantity CDATA #REQUIRED >

<!--checklist; a general power of attorney is being furnished
-->
<!ELEMENT cl-general-power-of-attorney EMPTY >

<!ATTLIST cl-general-power-of-attorney
          quantity CDATA #REQUIRED >

<!--checklist; a copy of the general power
of attorney is being furnished
-->
<!ELEMENT cl-copy-general-power-of-attorney (ref-number+) >

<!ATTLIST cl-copy-general-power-of-attorney
          quantity CDATA #REQUIRED >

<!--Reference number of general power of attorney.
-->
<!ELEMENT ref-number (#PCDATA) >

<!--checklist; a statement explaining lack of
signature is being furnished
-->
<!ELEMENT cl-lack-of-signature EMPTY >

<!ATTLIST cl-lack-of-signature
          quantity CDATA #REQUIRED >

<!--checklist; a priority document is being furnished
-->
<!ELEMENT cl-priority-document (sequence-number+) >

<!ATTLIST cl-priority-document
          quantity CDATA #REQUIRED >

<!--sequential identification of priority documents. PCT/RO/101 Box VI.
-->
<!ELEMENT sequence-number (#PCDATA) >

<!--check-list; a translation of application is being furnished
-->
<!ELEMENT cl-translation-of-application EMPTY >

<!ATTLIST cl-translation-of-application
          quantity CDATA #REQUIRED
          lang CDATA #IMPLIED >

<!--includes the PCT/RO/134 or any separate sheet containing
indications that is not included as part of the description
```

```
-->
<!ELEMENT cl-biological-material    EMPTY    >

<!ATTLIST cl-biological-material
          quantity CDATA    #REQUIRED    >

<!--checklist; an additional document is being furnished

-->
<!ELEMENT cl-other-document    (#PCDATA) >

<!ATTLIST cl-other-document
          page-count CDATA    #IMPLIED    >

<!--figure of the drawings which should accompany the abstract

-->
<!ELEMENT figure-to-publish    (fig-number+) >

<!--PCT/RO/101 Box IX: the number of the figure which should
accompany the abstract

-->
<!ELEMENT fig-number    (#PCDATA) >

<!--filing language, ISO639 language code, e.g, en,de,ja, etc.

-->
<!ELEMENT language-of-filing    (#PCDATA) >

<!--signatories

-->
<!ELEMENT signatories    (signatory+) >

<!--PCT/RO/101 Box No. X:
The signature must be that of the applicant (if there are several
applicants, all must sign); however, the signature may be that of
the agent, or the common representative, where a separate power of
attorney appointing the agent or the common representative,
respectively, or a copy of a general power of attorney is already
in possession of the receiving Office, is furnished...
(PCT Rules 4.1(d), 4.15, and 90)

Indicate the capacity of the signer with 'signatory-capacity'

-->
<!ELEMENT signatory    (((name | (prefix?,(last-name | orgname),first-name?,
middle-name?,suffix?,iid?,role?,orgname?,department?,synonym*)),
registered-number?),address?,electronic-signature,signatory-
capacity?) >

<!--a signature represented by electronic means

-->
<!ELEMENT electronic-signature    (basic-signature | enhanced-signature) >

<!ATTLIST electronic-signature
          date CDATA    #REQUIRED
          place-signed CDATA    #IMPLIED    >

<!--a non-PKI electronic signature

-->
<!ELEMENT basic-signature    (fax-image | text-string | click-wrap) >

<!--a TIFF image of a signature
```

```
-->
<!ELEMENT fax-image    EMPTY    >

<!ATTLIST fax-image
          file  CDATA    #REQUIRED    >

<!--a simple text string is to be used as the basic electronic
signature, e.g., John Doe <text-string>/jd/</text-string>

-->
<!ELEMENT text-string  (#PCDATA) >

<!--a simple 'signature', e.g., clicking a button
labeled 'accept' or 'I agree'

-->
<!ELEMENT click-wrap   EMPTY    >

<!--A PKI / PKCS #7 digital signature data type

-->
<!ELEMENT enhanced-signature  (pkcs7) >

<!--PKCS7 digital signature

-->
<!ELEMENT pkcs7        EMPTY    >

<!--the capacity in which the person signs

-->
<!ELEMENT signatory-capacity  (#PCDATA) >

<!--Office is the ST.3 country code, including the regional authorities.
Office-dtd is the file which contains the DTD for the
office-specific elements.

-->
<!ELEMENT office-specific-data    EMPTY    >

<!ATTLIST office-specific-data
          office  CDATA    #REQUIRED
          office-dtd  CDATA    #REQUIRED
          file  CDATA    #REQUIRED
          id  CDATA    #IMPLIED
          lang  CDATA    #IMPLIED
          status  CDATA    #IMPLIED    >

<!--doc-page - DOcument or PAGE

This is primarily to be used when data for the whole or
major sections of an application are in image format
OR other formats such as pdf. Page range attributes are
given when required pp- page range ppf - first page
ppl - last page (for pdf). The 'img' may also be used
for complete pages, eg. in drawings

Recommended id = docp01, docp02, etc.

-->
<!ELEMENT doc-page    EMPTY    >

<!ATTLIST doc-page
          id  ID    #IMPLIED
          he  NMTOKEN    #REQUIRED
          wi  NMTOKEN    #REQUIRED
          type  (jpg | pdf | tif)    #REQUIRED
```

```
alt  CDATA    #IMPLIED
pp   CDATA    #IMPLIED
ppf  CDATA    #IMPLIED
ppl  CDATA    #IMPLIED
file  CDATA    #REQUIRED
color (color | bw)  #IMPLIED
orientation (portrait | landscape) "portrait" >
```

Demand version 1.2 :

```
<!ENTITY % address_group
    "((address-1? , address-2? , address-3? , mailcode? , pobox?
        , room? , address-floor? , building? , street? , city?
        , county? , state? , postcode? , country) | text)" >

<!ENTITY % name_group
    "((name | (prefix? , (last-name | orgname) , first-name?
        , middle-name? , suffix? , iid? , role? , orgname?
        , department? , synonym*)) , registered-number?)" >

<!--
*****
* demand v1.2 2003 MAY
*****
* PUBLIC "-//WIPO//DTD DEMAND 1.2//EN" "demand-v1-2.dtd"
*****
* http://pcteasy.wipo.int/efiling_standards/schemaDocs/1.2/demand-v1-2.dtd*
*****
* contacts:
* JPO: Shiro Ankyu; ankyu-shiro@jpo.go.jp
* WIPO: John Dunning; john.dunning@wipo.int
* WIPO: Hideto Tanaka; hideto.tanaka@wipo.int
*****

Revised, 03/05 JD for changes to PCT Rules, Demand form
..added cl-sequence-listing-table
..added attribute 'carriers' to cl-sequence-listing and cl-sequence-listing-table
..added begin-examination-early to concerning-amendments
..changed element name postpone to postpone-examination
..removed election-of-states

Attributes for demand
id = unique id for this application - could be file name
country = st.3 code for application
dtd-version = dtd version number
lang = language of application - use ISO639 language code
status = status of the application;
values: n = new application
file = filename of the whole application
date-produced = YYYYMMDD e.g, 20011230
if desired, 12 characters maximum
ipea = IPEA office name, country code ST.3
produced-by = creator of this document

-->
<!ELEMENT demand ((file-reference-id?,application-reference?,
    date-of-earliest-priority?,invention-title*,applicants,
    correspondence-address?,agents-for-demand?,bases-examination,
    demand-check-list?,signatories?) | doc-page+) >

<!ATTLIST demand
    lang CDATA #REQUIRED
    dtd-version CDATA #IMPLIED
    file CDATA #IMPLIED
    status CDATA #IMPLIED
    produced-by (applicant | RO | ISA | IPEA | IB | DO | EO)
        #REQUIRED
    date-produced CDATA #IMPLIED
    ipea CDATA #REQUIRED
    ro CDATA #IMPLIED
    isa CDATA #IMPLIED >

<!--applicant's or agent's file reference, if desired, 12 characters maximum-->
<!ELEMENT file-reference-id (#PCDATA) >

<!--application reference information: application number, country-->
<!ELEMENT application-reference (document-id) >
```

```
<!--ATTLIST application-reference
      appl-type CDATA      #REQUIRED  >

<!--Document identification refers to patents (and patent applications) only. See
WIPO ST.14-->
<!--ELEMENT document-id (country,doc-number,kind?,name?,date?) >

<!--ATTLIST document-id
      lang CDATA      #IMPLIED  >

<!--Country: use ST.3 country code, e.g. DE, FR, GB, NL, etc. Also includes EP, WO-
-->
<!--ELEMENT country (#PCDATA) >

<!--the number of the referenced patent (or application) document-->
<!--ELEMENT doc-number (#PCDATA) >

<!--document kind code; e.g. A1-->
<!--ELEMENT kind (#PCDATA) >

<!--name: if no distinction or detail can be given. Also to be used for: personal
(natural person) and corporate (legal entity) names-->
<!--ELEMENT name (#PCDATA) >

<!--ATTLIST name
      name-type (legal | natural)  #IMPLIED  >

<!--date: components of a date. Format: YYYYMMDD-->
<!--ELEMENT date (#PCDATA) >

<!--Where the international application claims the priority of several earlier
applications, the filing date of the earliest application whose priority is claimed
must be indicated as the priority date.-->
<!--ELEMENT date-of-earliest-priority (date) >

<!--Title of the Invention: preferably two to seven words when in English or
translated into English and precise. (Rule 4.3) Recommended id = 'inv't'-->
<!--ELEMENT invention-title (#PCDATA | b | i | u | sup | sub)* >

<!--ATTLIST invention-title
      id ID      #IMPLIED
      lang CDATA      #IMPLIED  >

<!--bold formatting for text-->
<!--ELEMENT b (#PCDATA | i | u | smallcaps)* >

<!--italic formatting for text-->
<!--ELEMENT i (#PCDATA | b | u | smallcaps)* >

<!--underscore: style - single is default-->
<!--ELEMENT u (#PCDATA | b | i | smallcaps)* >

<!--ATTLIST u
      style (single | double | dash | dots) "single" >

<!--small capitals-->
<!--ELEMENT smallcaps (#PCDATA | b | u | i)* >

<!--superscripted text-->
<!--ELEMENT sup (#PCDATA | b | u | i)* >

<!--subscripted text-->
<!--ELEMENT sub (#PCDATA | b | u | i)* >

<!--Applicants information: At least one of the applicants named must be a resident
or national of a PCT Contracting State for which the receiving Office acts.-->
<!--ELEMENT applicants (applicant+) >
```

```
<!--Applicant information: attributes for applicant sequence : sequence number of
each applicant e.g, sequence="1" app-type : applicant type app-type="applicant" :
the applicant is only applicant app-type="applicant-inventor" : the applicant is
also inventor designation: This person is applicant for the purpose of:
designation="all" : all designated states designation="all-except-us" : all
designated states except US designation="us-only" : US only designation="as-
indicated" : the states indicated in designated-states element under applicant
element-->
<!ELEMENT applicant (addressbook+,nationality,residence,us-rights*,
designated-states?,designated-states-as-inventor?) >

<!ATTLIST applicant
sequence CDATA #REQUIRED
app-type (applicant | applicant-inventor) #REQUIRED
designation (all | all-except-us | us-only | as-indicated)
#REQUIRED >

<!--ADDRESSBOOK GROUP: Holds name and contact information for
individuals/organizations The LANG attribute is REQUIRED for certain document
types, e.g. the JPO PCT Request where names and addresses may be repeated in two
different languages. If no structure possible use text.-->
<!ELEMENT addressbook (((name | (prefix?,(last-name | orgname),first-name?,
middle-name?,suffix?,iid?,role?,orgname?,department?,synonym*)),
registered-number?),address,phone*,fax*,email*,url*,ead*,dtext?) |
text) >

<!ATTLIST addressbook
lang CDATA #REQUIRED >

<!--title: e.g., Mr., Mrs., Dr. etc-->
<!ELEMENT prefix (#PCDATA) >

<!--last, family, surname-->
<!ELEMENT last-name (#PCDATA) >

<!--organisation name or company name-->
<!ELEMENT orgname (#PCDATA) >

<!--First or given name(s), initial(s)-->
<!ELEMENT first-name (#PCDATA) >

<!--middle name(s) or initial(s)-->
<!ELEMENT middle-name (#PCDATA) >

<!--name suffix (e.g., II, Jr., Dip., Ing., BA, etc.)-->
<!ELEMENT suffix (#PCDATA) >

<!--individual id-->
<!ELEMENT iid (#PCDATA) >

<!--role, e.g. President, Chairman, etc.-->
<!ELEMENT role (#PCDATA) >

<!--department, division, section, etc. name-->
<!ELEMENT department (#PCDATA) >

<!--synonym-->
<!ELEMENT synonym (#PCDATA) >

<!--registered number-->
<!ELEMENT registered-number (#PCDATA) >

<!--address components: Address formats differ from country to country If no
structure possible use text-->
<!ELEMENT address ((address-1?,address-2?,address-3?,mailcode?,pobox?,room?,
address-floor?,building?,street?,city?,county?,state?,postcode?,
country) | text) >
```

```
<!--Address, first line-->
<!ELEMENT address-1 (#PCDATA) >

<!--Address, second line-->
<!ELEMENT address-2 (#PCDATA) >

<!--Address, third line-->
<!ELEMENT address-3 (#PCDATA) >

<!--organizational mail code-->
<!ELEMENT mailcode (#PCDATA) >

<!--Post Office Box number-->
<!ELEMENT pobox (#PCDATA) >

<!--address room; e.g., Room 55B-->
<!ELEMENT room (#PCDATA) >

<!--address floor, e.g., 10th-->
<!ELEMENT address-floor (#PCDATA) >

<!--building information in address, e.g., Hoffman building-->
<!ELEMENT building (#PCDATA) >

<!--street may contain house number or name-->
<!ELEMENT street (#PCDATA) >

<!--City or town name-->
<!ELEMENT city (#PCDATA) >

<!--County, parish, department, etc (mainly UK, USA)-->
<!ELEMENT county (#PCDATA) >

<!--Region of country eg. state, province, etc.-->
<!ELEMENT state (#PCDATA) >

<!--postal code or zip code-->
<!ELEMENT postcode (#PCDATA) >

<!--if no structure is possible, enter text (without markup)-->
<!ELEMENT text (#PCDATA) >

<!--telephone number-->
<!ELEMENT phone (#PCDATA) >

<!--fax number-->
<!ELEMENT fax (#PCDATA) >

<!--email address-->
<!ELEMENT email (#PCDATA) >

<!--Universal Resource Locator; e.g. www.wipo.int-->
<!ELEMENT url (#PCDATA) >

<!--electronic address use for other than email-->
<!ELEMENT ead (#PCDATA) >

<!--Descriptive text-->
<!ELEMENT dtext (#PCDATA) >

<!--country of nationality-->
<!ELEMENT nationality (country) >

<!--country of residence-->
<!ELEMENT residence (country) >

<!--This person is successor to the rights of an inventor who is deceased, insane,
```

```
or legally incapacitated, for the purposes of the designation of the United States
of America-->
<!ELEMENT us-rights (#PCDATA) >

<!ATTLIST us-rights
    to-dead-inventor CDATA #REQUIRED
    kind (heir | heiress | executor | executrix | estate) #REQUIRED >

<!--indication of specific Contracting States in or for which the applicant is
seeking protection for his invention (Rule 4.9(a))-->
<!ELEMENT designated-states (country*,(region,country+)* ) >

<!--the region for which protection or exclusion (depending upon context) is
desired-->
<!ELEMENT region (country) >

<!--Rule 4.6(c): "The request may, for different designated states, indicate
different persons as inventors where, in this respect, the requirements of the
national laws of the designated States are not the same. In such a case, the
request shall contain a separate statement for each designated State or group of
States in which a particular person, or the same person, is to be considered the
inventor, or in which particular persons, or the same persons, are to be considered
the inventors."-->
<!ELEMENT designated-states-as-inventor (country*,(region,country+)* ) >

<!--address used for general correspondence-->
<!ELEMENT correspondence-address (customer-number | addressbook+) >

<!--customer number for agents by office-->
<!ELEMENT customer-number (#PCDATA) >

<!--agent(s) elected specifically for procedures before the International
Preliminary Examining Authority (Rule 90.1(a)-(c))-->
<!ELEMENT agents-for-demand (customer-number | agent+) >

<!ATTLIST agents-for-demand
    kind-agents (addition | new | current) #REQUIRED >

<!--Agent or common representative (Rules 90.1, 90.2)-->
<!ELEMENT agent (addressbook+) >

<!ATTLIST agent
    sequence CDATA #REQUIRED
    rep-type (agent | attorney | common-representative) #REQUIRED >

<!--the basis on which the international preliminary examination will start
(PCT/IPEA/401 Box IV, Rule 66.1)-->
<!ELEMENT bases-examination (concerning-amendments,language-for-examination) >

<!--the basis of the international preliminary examination concerns amendments.
(PCT/IPEA/401 Box IV, 1-3, Rules 53.9(a)(i) and 53.9(c))-->
<!ELEMENT concerning-amendments (the-application?,the-description?,the-claims?,
    the-drawings?,reverse-art19-amendment?,postpone-examination?,
    begin-examination-early?) >

<!--the application is to be used as the basis for international preliminary
examination-->
<!ELEMENT the-application EMPTY >

<!ATTLIST the-application
    basis (originally) #REQUIRED >

<!--the description is to be used as the basis for international preliminary
examination-->
<!ELEMENT the-description EMPTY >

<!ATTLIST the-description
    basis (originally | amendment-art34) #REQUIRED >
```

```
<!--the claims are to be used as the basis for international preliminary
examination. Attribute 'basis': originally: the applicant wishes the IPEA to start
on the basis of the claims as originally filed amendment-art19: the applicant
wishes the IPEA to start on the basis of the claims as amended under Art 19.
amendment-art34: the applicant wishes the IPEA to start on the basis of the claims
as amended under Art. 34. amendment-art19-34: the applicant wishes the IPEA to
start on the basis of the claims as amended under Art. 19 and Art. 34-->
<!ELEMENT the-claims EMPTY >

<!ATTLIST the-claims
    basis (originally | amendment-art19 | amendment-art34 |
    amendment-art19-34) #REQUIRED >

<!--the drawings are to be used as the basis for international preliminary
examination-->
<!ELEMENT the-drawings EMPTY >

<!ATTLIST the-drawings
    basis (originally | amendment-art34) #REQUIRED >

<!--PCT/IPEA/401 Box No. IV, checkbox 2: "The applicant wishes any amendment to the
claims under Article 19 to be considered as reversed"-->
<!ELEMENT reverse-art19-amendment EMPTY >

<!--"The applicant wishes the start of the international preliminary examination to
be postponed until the expiration of 20 months from the priority date unless the
International Preliminary Examining Authority receives a copy of any amendments
made under Article 19 or a notice from the applicant that he does not wish to make
such amendments (Rule 69.1(d))-->
<!ELEMENT postpone-examination EMPTY >

<!--"The applicant expressly wishes the international preliminary examination to
start earlier than at the expiration of the applicable time limit under Rule
54bis.1(a)."-->
<!ELEMENT begin-examination-early EMPTY >

<!--language for international preliminary examination (Rule 55.1)-->
<!ELEMENT language-for-examination (#PCDATA) >

<!ATTLIST language-for-examination
    examin-lang (originally-filed | translation-isa | publication |
    translation-ipea) #REQUIRED >

<!--PCT/IPEA/401 BOX No.IX Check List-->
<!ELEMENT demand-check-list (cl-translation-of-application-demand?,
    cl-amendments-art34?,cl-copy-amendments-art19?,
    cl-copy-statement-art19?,cl-letter?,cl-fee-calculation?,
    cl-separate-power-of-attorney?,cl-general-power-of-attorney?,
    cl-copy-general-power-of-attorney?,cl-lack-of-signature?,
    cl-priority-document?,cl-sequence-listing?,cl-sequence-listing-
table?,
    cl-other-document*) >

<!--check-list; a translation of application is being furnished-->
<!ELEMENT cl-translation-of-application-demand EMPTY >

<!ATTLIST cl-translation-of-application-demand
    quantity CDATA #REQUIRED
    lang CDATA #IMPLIED
    page-count CDATA #IMPLIED >

<!--checklist; amendments made under Article 34 are being furnished-->
<!ELEMENT cl-amendments-art34 EMPTY >

<!ATTLIST cl-amendments-art34
    quantity CDATA #REQUIRED
    page-count CDATA #IMPLIED >
```

```
<!--checklist; copy of amendments made under Article 19 is being furnished-->
<!ELEMENT cl-copy-amendments-art19 EMPTY >

<!ATTLIST cl-copy-amendments-art19
    quantity CDATA #REQUIRED >

<!--checklist; a copy of statement under Article 19 is being furnished-->
<!ELEMENT cl-copy-statement-art19 EMPTY >

<!ATTLIST cl-copy-statement-art19
    quantity CDATA #REQUIRED
    page-count CDATA #IMPLIED >

<!--checklist; a letter is being furnished. See PCT/IPEA/401 box VI-->
<!ELEMENT cl-letter EMPTY >

<!ATTLIST cl-letter
    quantity CDATA #REQUIRED >

<!--checklist; a fee calculation sheet is being furnished-->
<!ELEMENT cl-fee-calculation EMPTY >

<!--checklist; a separate power of attorney is being furnished-->
<!ELEMENT cl-separate-power-of-attorney EMPTY >

<!ATTLIST cl-separate-power-of-attorney
    quantity CDATA #REQUIRED >

<!--checklist; a general power of attorney is being furnished-->
<!ELEMENT cl-general-power-of-attorney EMPTY >

<!ATTLIST cl-general-power-of-attorney
    quantity CDATA #REQUIRED >

<!--checklist; a copy of the general power of attorney is being furnished-->
<!ELEMENT cl-copy-general-power-of-attorney (ref-number+) >

<!ATTLIST cl-copy-general-power-of-attorney
    quantity CDATA #REQUIRED >

<!--Reference number of general power of attorney.-->
<!ELEMENT ref-number (#PCDATA) >

<!--checklist; a statement explaining lack of signature is being furnished-->
<!ELEMENT cl-lack-of-signature EMPTY >

<!ATTLIST cl-lack-of-signature
    quantity CDATA #REQUIRED >

<!--checklist; a priority document is being furnished-->
<!ELEMENT cl-priority-document (sequence-number+) >

<!ATTLIST cl-priority-document
    quantity CDATA #REQUIRED >

<!--sequential identification of priority documents. PCT/RO/101 Box VI.-->
<!ELEMENT sequence-number (#PCDATA) >

<!--checklist; a sequence listing is being furnished-->
<!ELEMENT cl-sequence-listing EMPTY >

<!ATTLIST cl-sequence-listing
    quantity CDATA #REQUIRED
    page-count CDATA #IMPLIED >

<!--checklist; a table containing sequence listings is being furnished
-->
```

```
<!ELEMENT cl-sequence-listing-table EMPTY >

<!ATTLIST cl-sequence-listing-table
    quantity CDATA #REQUIRED
    page-count CDATA #IMPLIED
    carriers (internal-electronic | external-electronic | paper)
    #IMPLIED >

<!--checklist; an additional document is being furnished-->
<!ELEMENT cl-other-document (#PCDATA) >

<!ATTLIST cl-other-document
    page-count CDATA #IMPLIED >

<!--signatories-->
<!ELEMENT signatories (signatory+) >

<!--PCT/RO/101 Box No. X: The signature must be that of the applicant (if there are
several applicants, all must sign); however, the signature may be that of the
agent, or the common representative, where a separate power of attorney appointing
the agent or the common representative, respectively, or a copy of a general power
of attorney is already in possession of the receiving Office, is furnished... (PCT
Rules 4.1(d), 4.15, and 90) Indicate the capacity of the signer with 'signatory-
capacity'-->
<!ELEMENT signatory (((name | (prefix?,(last-name | orgname),first-name?,
    middle-name?,suffix?,iid?,role?,orgname?,department?,synonym*)),
    registered-number?),address?,electronic-signature,signatory-
capacity?) >

<!--a signature represented by electronic means-->
<!ELEMENT electronic-signature (basic-signature | enhanced-signature) >

<!ATTLIST electronic-signature
    date CDATA #REQUIRED
    place-signed CDATA #IMPLIED >

<!--a non-PKI electronic signature-->
<!ELEMENT basic-signature (fax-image | text-string | click-wrap) >

<!--a TIFF image of a signature-->
<!ELEMENT fax-image EMPTY >

<!ATTLIST fax-image
    file CDATA #REQUIRED >

<!--a simple text string is to be used as the basic electronic signature, e.g.,
John Doe <text-string>/jd/</text-string>-->
<!ELEMENT text-string (#PCDATA) >

<!--a simple 'signature', e.g., clicking a button labeled 'accept' or 'I agree'-->
<!ELEMENT click-wrap EMPTY >

<!--A PKI / PKCS #7 digital signature data type-->
<!ELEMENT enhanced-signature (pkcs7) >

<!--PKCS7 digital signature-->
<!ELEMENT pkcs7 EMPTY >

<!--the capacity in which the person signs-->
<!ELEMENT signatory-capacity (#PCDATA) >

<!--doc-page - DOCUMENT or PAGE This is primarily to be used when data for the
whole or major sections of an application are in image format OR other formats such
as pdf. Page range attributes are given when required pp- page range ppf - first
page ppl - last page (for pdf). The 'img' may also be used for complete pages, eg.
in drawings Recommended id = docp01, docp02, etc.-->
<!ELEMENT doc-page EMPTY >
```

```
<!ATTLIST doc-page
    id ID #IMPLIED
    he NMTOKEN #REQUIRED
    wi NMTOKEN #REQUIRED
    type (jpg | pdf | tif) #REQUIRED
    alt CDATA #IMPLIED
    pp CDATA #IMPLIED
    ppf CDATA #IMPLIED
    ppl CDATA #IMPLIED
    file CDATA #REQUIRED
    color (color | bw) #IMPLIED
    orientation (portrait | landscape) "portrait" >
```

Fee-sheet version 1.2:

```
<!ENTITY % address_group
    "((address-1? , address-2? , address-3? , mailcode? , pobox?
        , room? , address-floor? , building? , street? , city?
        , county? , state? , postcode? , country) | text)" >

<!ENTITY % name_group
    "((name | (prefix? , (last-name | orgname) , first-name?
        , middle-name? , suffix? , iid? , role? , orgname? ,
department?
        , synonym*)) , registered-number?)" >

<!--
*****
* fee-sheet v1.1 2003 OCTOBER
*****
* PUBLIC "-//WIPO//DTD FEE SHEET 1.2//EN" "fee-sheet-v1-2.dtd"
*****
* http://pcteasy.wipo.int/efiling_standards/schemaDocs/1.2/fee-sheet.dtd *
*****
* contacts:
* JPO: Shiro Ankyu; ankyu-shiro@jpo.go.jp
* WIPO: John Dunning; john.dunning@wipo.int
* WIPO: Hideto Tanaka; hideto.tanaka@wipo.int
*****
* Revision History
*****
JD: 03/10/05
..allow multiple fee-reduction elementss
..added attribute 'reduction-type' to fee-reduction to provide description of fee
reduction
..made 'designation-fee' optional for backward-compatibility, as PCT Fee
....structures have replaced the basic fee and designation-fee with international-
fee,
....but supplemental sheets over 30 shall continue to be charged; as is currently
....implemented in 'basic-fee/additional-amount'
JD: 03/02/03 Incorporated changes from PFCs:
..added 'dtext' to root content model
..added 'orientation' attribute to 'doc-page'
..made 'postcode' optional within 'address'
..added 'last-name | orgname' option in %name_group;
*****

Fee calculation sheet annex to the PCT request

Attributes:
lang = language of application - use ISO639 language code
dtd-version = dtd version number
file = filename of the whole application
status = status of the application;
values: n = new application
produced-by = creator of this document
date-produced = YYYYMMDD e.g, 20011230
if desired, 12 characters maximum
```

```
ro = Receiving office name, country code ST.3

-->
<!ELEMENT fee-sheet ((file-reference-id?,applicant-name,prescribed-fees,
    amount-grand-total+,deposit-account?,dtext*) | doc-page+) >

<!ATTLIST fee-sheet
    lang CDATA      #REQUIRED
    dtd-version CDATA #IMPLIED
    file CDATA      #IMPLIED
    status CDATA    #IMPLIED
    produced-by (applicant | R0 | ISA | IPEA | IB | DO | EO)
                #REQUIRED
    date-produced CDATA #IMPLIED
    ro CDATA      #REQUIRED >

<!--applicant's or agent's file reference, if desired, 12 characters maximum-->
<!ELEMENT file-reference-id (#PCDATA) >

<!--the name of the applicant (without address information)-->
<!ELEMENT applicant-name ((name | (prefix?,(last-name | orgname),first-name?,
    middle-name?,suffix?,iid?,role?,orgname?,department?,synonym*)),
    registered-number?) >

<!--name: if no distinction or detail can be given. Also to be used for: personal
(natural person) and corporate (legal entity) names-->
<!ELEMENT name (#PCDATA) >

<!ATTLIST name
    name-type (legal | natural) #IMPLIED >

<!--title: e.g., Mr., Mrs., Dr. etc-->
<!ELEMENT prefix (#PCDATA) >

<!--last, family, surname-->
<!ELEMENT last-name (#PCDATA) >

<!--organisation name or company name-->
<!ELEMENT orgname (#PCDATA) >

<!--First or given name(s), initial(s)-->
<!ELEMENT first-name (#PCDATA) >

<!--middle name(s) or initial(s)-->
<!ELEMENT middle-name (#PCDATA) >

<!--name suffix (e.g., II, Jr., Dip., Ing., BA, etc.)-->
<!ELEMENT suffix (#PCDATA) >

<!--individual id-->
<!ELEMENT iid (#PCDATA) >

<!--role, e.g. President, Chairman, etc.-->
<!ELEMENT role (#PCDATA) >

<!--department, division, section, etc. name-->
<!ELEMENT department (#PCDATA) >

<!--synonym-->
<!ELEMENT synonym (#PCDATA) >

<!--registered number-->
<!ELEMENT registered-number (#PCDATA) >

<!--calculation of prescribed fees designation-fee-paid: whether the designation
fee has been paid or not-->
<!ELEMENT prescribed-fees (transmittal-fee,search-fee,international-fee,pdoc-fee?)
>
```

```
<!--ATTLIST prescribed-fees
      designation-fee-paid CDATA      #IMPLIED >

<!--Transmittal fees (PCT Rule 14)-->
<!--ELEMENT transmittal-fee (amount-total,payment-mode) >

<!--ATTLIST transmittal-fee
      currency CDATA      #REQUIRED >

<!--the total amount due for each fee group, e.g., search fees, transmittal fees,
etc.-->
<!--ELEMENT amount-total (#PCDATA) >

<!--mode of payment-->
<!--ELEMENT payment-mode (charge | postal-order | cash | coupons | cheque |
      bank-draft | stamps | other) >

<!--Authorization to charge deposit account-->
<!--ELEMENT charge EMPTY >

<!--postal money order used as mode of payment-->
<!--ELEMENT postal-order EMPTY >

<!--cash used as payment method-->
<!--ELEMENT cash EMPTY >

<!--coupons used as mode of payment-->
<!--ELEMENT coupons EMPTY >

<!--cheque used as payment method-->
<!--ELEMENT cheque EMPTY >

<!--bank draft to be used as mode of payment-->
<!--ELEMENT bank-draft EMPTY >

<!--revenue stamps used as mode of payment-->
<!--ELEMENT stamps EMPTY >

<!--other method by which prior art was disclosed to the public-->
<!--ELEMENT other (#PCDATA) >

<!--search fee (PCT Rule 16.1)-->
<!--ELEMENT search-fee (amount-total,payment-mode,isa?) >

<!--ATTLIST search-fee
      currency CDATA      #REQUIRED >

<!--International Search Authority; international search to be carried out by-->
<!--ELEMENT isa (country) >

<!--Country: use ST.3 country code, e.g. DE, FR, GB, NL, etc. Also includes EP, WO-
-->
<!--ELEMENT country (#PCDATA) >

<!--International fee: The designation fee may be paid at the time of filing the
international application. However, if the international application contains a
priority claim, the designation fee must be paid within one year from the priority
date or within one month from the date of receipt of the international application,
whichever expires first, but where the international application does not contain a
priority claim, the designation fee must be paid within one year from the date of
receipt of the international application. (Rule 15.1)-->
<!--ELEMENT international-fee (basic-fee,designation-fee?,fee-reduction*,
      amount-total,payment-mode) >

<!--ATTLIST international-fee
      currency CDATA      #REQUIRED >
```

```
<!--basic fee (Rule 15.1(i)-->
<!ELEMENT basic-fee (amount-each,additional-amount?,additional-component?,
                    amount-total) >

<!--the amount of each of the fees-->
<!ELEMENT amount-each (#PCDATA) >

<!--additional amount-->
<!ELEMENT additional-amount (sheets-over-30,amount-each,total-additional-amount) >

<!--number of pages in excess of 30-->
<!ELEMENT sheets-over-30 (#PCDATA) >

<!--total additional amount = # of sheets over 30 * amount each-->
<!ELEMENT total-additional-amount (#PCDATA) >

<!--If sequence listing part of description is filed in computer readable form-->
<!ELEMENT additional-component (amount-each) >

<!--designation fee (Rule 15.1)-->
<!ELEMENT designation-fee (number-of-designation,designation-fee-payable,
                    amount-each,amount-total) >

<!--number of designations contained in international application-->
<!ELEMENT number-of-designation (#PCDATA) >

<!--Number of designation fees payable, maximum 8. See PCT Applicant's guide,
paragraph 197(c)(ii).-->
<!ELEMENT designation-fee-payable (#PCDATA) >

<!--fee reduction; applicable where PCT electronic filing software is used or where
the applicant is a national and natural person who resides in a State whose per
capita income is less than 3,000 US dollars

Attribute:
reduction-type: a text description of the type of fee reduction. May store text to
be rendered in document.-->
<!ELEMENT fee-reduction (amount-each) >

<!ATTLIST fee-reduction
                    reduction-type CDATA #IMPLIED >

<!--fee for priority document-->
<!ELEMENT pdoc-fee (pdoc-quantity,amount-each,amount-total,payment-mode) >

<!ATTLIST pdoc-fee
                    currency CDATA #REQUIRED >

<!--quantity of priority document requested-->
<!ELEMENT pdoc-quantity (#PCDATA) >

<!--the total amount of all fees. Note that more than one grand total amount may be
permitted, as there may be multiple currencies in which payment is due.-->
<!ELEMENT amount-grand-total (#PCDATA) >

<!ATTLIST amount-grand-total
                    currency CDATA #REQUIRED >

<!--Authorization to charge or credit deposit account-->
<!ELEMENT deposit-account (authorization,ro,account-no,date,((name | (prefix?,(
                    last-name | orgname),first-name?,middle-name?,suffix?,iid?,role?,
                    orgname?,department?,synonym*)),registered-number?),signatories?) >

<!--Type(s) of authorization-->
<!ELEMENT authorization (total-fee?,deficiency-credit?,fee-for-pdoc?) >

<!--authoraization to charge the total fees indicated above-->
<!ELEMENT total-fee EMPTY >
```

```
<!--Authoraization to charge any deficiency or credit any overpayment-->
<!ELEMENT deficiency-credit EMPTY >

<!--Authoraization to charge the fee for priority document-->
<!ELEMENT fee-for-pdoc EMPTY >

<!--Receiving Office-->
<!ELEMENT ro (country) >

<!--deposit account number-->
<!ELEMENT account-no (#PCDATA) >

<!--date: components of a date. Format: YYYYMMDD-->
<!ELEMENT date (#PCDATA) >

<!--signatories-->
<!ELEMENT signatories (signatory+) >

<!--PCT/RO/101 Box No. X: The signature must be that of the applicant (if there are
several applicants, all must sign); however, the signature may be that of the
agent, or the common representative, where a separate power of attorney appointing
the agent or the common representative, respectively, or a copy of a general power
of attorney is already in possession of the receiving Office, is furnished... (PCT
Rules 4.1(d), 4.15, and 90) Indicate the capacity of the signer with 'signatory-
capacity'-->
<!ELEMENT signatory (((name | (prefix?,(last-name | orgname),first-name?,
middle-name?,suffix?,iid?,role?,orgname?,department?,synonym*)),
registered-number?),address?,electronic-signature,signatory-
capacity?) >

<!--address components: Address formats differ from country to country If no
structure possible use text-->
<!ELEMENT address ((address-1?,address-2?,address-3?,mailcode?,pobox?,room?,
address-floor?,building?,street?,city?,county?,state?,postcode?,
country) | text) >

<!--Address, first line-->
<!ELEMENT address-1 (#PCDATA) >

<!--Address, second line-->
<!ELEMENT address-2 (#PCDATA) >

<!--Address, third line-->
<!ELEMENT address-3 (#PCDATA) >

<!--organizational mail code-->
<!ELEMENT mailcode (#PCDATA) >

<!--Post Office Box number-->
<!ELEMENT pobox (#PCDATA) >

<!--address room; e.g., Room 55B-->
<!ELEMENT room (#PCDATA) >

<!--address floor, e.g., 10th-->
<!ELEMENT address-floor (#PCDATA) >

<!--building information in address, e.g., Hoffman building-->
<!ELEMENT building (#PCDATA) >

<!--street may contain house number or name-->
<!ELEMENT street (#PCDATA) >

<!--City or town name-->
<!ELEMENT city (#PCDATA) >

<!--County, parish, department, etc (mainly UK, USA)-->
```

```
<!--ELEMENT county (#PCDATA) -->

<!--Region of country eg. state, province, etc.-->
<!--ELEMENT state (#PCDATA) -->

<!--postal code or zip code-->
<!--ELEMENT postcode (#PCDATA) -->

<!--if no structure is possible, enter text (without markup)-->
<!--ELEMENT text (#PCDATA) -->

<!--a signature represented by electronic means-->
<!--ELEMENT electronic-signature (basic-signature | enhanced-signature) -->

<!--ATTLIST electronic-signature
      date CDATA #REQUIRED
      place-signed CDATA #IMPLIED -->

<!--a non-PKI electronic signature-->
<!--ELEMENT basic-signature (fax-image | text-string | click-wrap) -->

<!--a TIFF image of a signature-->
<!--ELEMENT fax-image EMPTY -->

<!--ATTLIST fax-image
      file CDATA #REQUIRED -->

<!--a simple text string is to be used as the basic electronic signature, e.g.,
John Doe <text-string>/jd/</text-string>-->
<!--ELEMENT text-string (#PCDATA) -->

<!--a simple 'signature', e.g., clicking a button labeled 'accept' or 'I agree'-->
<!--ELEMENT click-wrap EMPTY -->

<!--A PKI / PKCS #7 digital signature data type-->
<!--ELEMENT enhanced-signature (pkcs7) -->

<!--PKCS7 digital signature-->
<!--ELEMENT pkcs7 EMPTY -->

<!--the capacity in which the person signs-->
<!--ELEMENT signatory-capacity (#PCDATA) -->

<!--Descriptive text-->
<!--ELEMENT dtext (#PCDATA) -->

<!--doc-page - DOCUMENT or PAGE This is primarily to be used when data for the
whole or major sections of an application are in image format OR other formats such
as pdf. Page range attributes are given when required pp- page range ppf - first
page ppl - last page (for pdf). The 'img' may also be used for complete pages, eg.
in drawings Recommended id = docp01, docp02, etc.-->
<!--ELEMENT doc-page EMPTY -->

<!--ATTLIST doc-page
      id ID #IMPLIED
      he NMTOKEN #REQUIRED
      wi NMTOKEN #REQUIRED
      type (jpg | pdf | tif) #REQUIRED
      alt CDATA #IMPLIED
      pp CDATA #IMPLIED
      ppf CDATA #IMPLIED
      ppl CDATA #IMPLIED
      file CDATA #REQUIRED
      color (color | bw) #IMPLIED
      orientation (portrait | landscape) "portrait" -->
```

ipea-demand-receiving-info version 1.2:

```
<!ENTITY % address_group
    "((address-1? , address-2? , address-3? , mailcode?
        , pobox? , room? , address-floor? , building? , street?
        , city? , county? , state? , postcode? , country) |
text)" >

<!ENTITY % name_group
    "((name | (prefix? , (last-name | orgname) , first-name?
        , middle-name? , suffix? , iid? , role? , orgname?
        , department? , synonym*)) , registered-number?" >

<!--
*****
*   ipea-demand-receiving-info v1.2 2003 MAY
*****
*   PUBLIC "-//WIPO//DTD IPEA DEMAND RECEIVING INFO 1.2//EN"
*   "ipea-demand-receiving-info-v1-2.dtd"
*****
*   http://pcteasy.wipo.int/efiling_standards/schemaDocs/1.2
*   /ipea-demand-receiving-info.dtd
*   contacts:
*   JPO: Shiro Ankyu; ankyu-shiro@jpo.go.jp
*   WIPO: John Dunning; john.dunning@wipo.int
*   WIPO: Hideto Tanaka; hideto.tanaka@wipo.int
*****
Revised 5/03 JD for PCT rule change, changes to Demand form
..added receipt-after-pct-rule54bis1-a, receipt-within-pct-rule54bis1-a,
....receipt-after-pct-rule54bis1-a-excused

Attributes for iper

lang :language code of attached document,
ISO639 language code,e.g, en,de,ja,,
dtd-version :dtd version number
date-produced :YYYYMMDD e.g, 20011230
ro :Receiving office name, country code ST.3
-->
<!ELEMENT ipea-demand-receiving-info (ipea,received-at-ipea,ipea-info,
    ipea-check-list,signatories?) >

<!ATTLIST ipea-demand-receiving-info
    lang CDATA #REQUIRED
    dtd-version CDATA #IMPLIED
    file CDATA #IMPLIED
    status CDATA #IMPLIED
    date-produced CDATA #IMPLIED
    ipea CDATA #REQUIRED >

<!--International Preliminary Examination Authority-->
<!ELEMENT ipea (country) >

<!--Country: use ST.3 country code, e.g. DE, FR, GB, NL, etc. Also includes EP, WO-
-->
<!ELEMENT country (#PCDATA) >

<!--date of receipt by International Preliminary Examination Authority-->
<!ELEMENT received-at-ipea (date) >

<!--date: components of a date. Format: YYYYMMDD-->
<!ELEMENT date (#PCDATA) >

<!--information relating to the receipt of the demand by the International
Preliminary Examination Authority-->
<!ELEMENT ipea-info (date-of-actual-receipt,receipt-pct-rule60-1?,(
    receipt-after-19month | receipt-pct-rule80-5 | receipt-pct-rule82 |
    receipt-after-pct-rule54bis1-a | receipt-within-pct-rule54bis1-a |
    receipt-after-pct-rule54bis1-a-excused)) >
```

```
<!--date of actual receipt of the purported international application The date of
receipt will be determined according to the usual principles applicable to the
filing of applications on paper, including filing by electronic means (such as by
facsimile transmission), that is, based on the date prevailing at the location of
the Office at the time when the complete transmission of the application has been
received.-->
<!ELEMENT date-of-actual-receipt (date) >

<!--PCT Rule 60.1: Defects in the Demand-->
<!ELEMENT receipt-pct-rule60-1 (date) >

<!--PCT/IPEA/401 the date of receipt of the demand is AFTER the expiration of 19
months from the priority date-->
<!ELEMENT receipt-after-19month EMPTY >

<!ATTLIST receipt-after-19month
    informed (yes | no) #IMPLIED >

<!--PCT Rule 80.5: Expiration on a Non-Working Day "If the expiration of any period
during which any document or fee must reach a national Office or intergovernmental
organization falls on a day on which such Office or organization is not open to the
public for the purposes of transaction of official business, or on which ordinary
mail is not delivered in the locality in which such Office or organization is
situated, the period shall expire on the next subsequent business day on which
neither of the said two circumstances exists."-->
<!ELEMENT receipt-pct-rule80-5 EMPTY >

<!--PCT Rule 82: Irregularities in the Mail Service-->
<!ELEMENT receipt-pct-rule82 EMPTY >

<!--The date of receipt of the demand is AFTER the expiration of the time limit
under Rule 54bis.1(a) and item 7 or 8, below [receipt-within-pct-rule54bis1-a,
receipt-after-pct-rule54bis1-a-excused] does not apply"-->
<!ELEMENT receipt-after-pct-rule54bis1-a EMPTY >

<!ELEMENT receipt-within-pct-rule54bis1-a EMPTY >

<!ELEMENT receipt-after-pct-rule54bis1-a-excused EMPTY >

<!--checklist of items received with the demand by the International Preliminary
Examination Authority-->
<!ELEMENT ipea-check-list (cl-translation-of-application-demand?,
    cl-amendments-art34?,cl-copy-amendments-art19?,
    cl-copy-statement-art19?,cl-letter?,cl-other-document*) >

<!--check-list; a translation of application is being furnished-->
<!ELEMENT cl-translation-of-application-demand EMPTY >

<!ATTLIST cl-translation-of-application-demand
    quantity CDATA #REQUIRED
    lang CDATA #IMPLIED
    page-count CDATA #IMPLIED >

<!--checklist; amendments made under Article 34 are being furnished-->
<!ELEMENT cl-amendments-art34 EMPTY >

<!ATTLIST cl-amendments-art34
    quantity CDATA #REQUIRED
    page-count CDATA #IMPLIED >

<!--checklist; copy of amendments made under Article 19 is being furnished-->
<!ELEMENT cl-copy-amendments-art19 EMPTY >

<!ATTLIST cl-copy-amendments-art19
    quantity CDATA #REQUIRED >

<!--checklist; a copy of statement under Article 19 is being furnished-->
```

```
<!--ELEMENT cl-copy-statement-art19 EMPTY -->

<!--ATTLIST cl-copy-statement-art19
      quantity CDATA #REQUIRED
      page-count CDATA #IMPLIED -->

<!--checklist; a letter is being furnished. See PCT/IPEA/401 box VI-->
<!--ELEMENT cl-letter EMPTY -->

<!--ATTLIST cl-letter
      quantity CDATA #REQUIRED -->

<!--checklist; an additional document is being furnished-->
<!--ELEMENT cl-other-document (#PCDATA) -->

<!--ATTLIST cl-other-document
      page-count CDATA #IMPLIED -->

<!--signatories-->
<!--ELEMENT signatories (signatory+) -->

<!--PCT/R0/101 Box No. X: The signature must be that of the applicant (if there are
several applicants, all must sign); however, the signature may be that of the
agent, or the common representative, where a separate power of attorney appointing
the agent or the common representative, respectively, or a copy of a general power
of attorney is already in possession of the receiving Office, is furnished... (PCT
Rules 4.1(d), 4.15, and 90) Indicate the capacity of the signer with 'signatory-
capacity'-->
<!--ELEMENT signatory (((name | (prefix?,(last-name | orgname),first-name?,
      middle-name?,suffix?,iid?,role?,orgname?,department?,synonym*)),
      registered-number?),address?,electronic-signature,signatory-
capacity?) -->

<!--name: if no distinction or detail can be given. Also to be used for: personal
(natural person) and corporate (legal entity) names-->
<!--ELEMENT name (#PCDATA) -->

<!--ATTLIST name
      name-type (legal | natural) #IMPLIED -->

<!--title: e.g., Mr., Mrs., Dr. etc-->
<!--ELEMENT prefix (#PCDATA) -->

<!--last, family, surname-->
<!--ELEMENT last-name (#PCDATA) -->

<!--organisation name or company name-->
<!--ELEMENT orgname (#PCDATA) -->

<!--First or given name(s), initial(s)-->
<!--ELEMENT first-name (#PCDATA) -->

<!--middle name(s) or initial(s)-->
<!--ELEMENT middle-name (#PCDATA) -->

<!--name suffix (e.g., II, Jr., Dip., Ing., BA, etc.)-->
<!--ELEMENT suffix (#PCDATA) -->

<!--individual id-->
<!--ELEMENT iid (#PCDATA) -->

<!--role, e.g. President, Chairman, etc.-->
<!--ELEMENT role (#PCDATA) -->

<!--department, division, section, etc. name-->
<!--ELEMENT department (#PCDATA) -->

<!--synonym-->
```

```
<!--ELEMENT synonym (#PCDATA) >

<!--registered number-->
<!--ELEMENT registered-number (#PCDATA) >

<!--address components: Address formats differ from country to country If no
structure possible use text-->
<!--ELEMENT address ((address-1?,address-2?,address-3?,mailcode?,pobox?,room?,
address-floor?,building?,street?,city?,county?,state?,postcode?,
country) | text) >

<!--Address, first line-->
<!--ELEMENT address-1 (#PCDATA) >

<!--Address, second line-->
<!--ELEMENT address-2 (#PCDATA) >

<!--Address, third line-->
<!--ELEMENT address-3 (#PCDATA) >

<!--organizational mail code-->
<!--ELEMENT mailcode (#PCDATA) >

<!--Post Office Box number-->
<!--ELEMENT pobox (#PCDATA) >

<!--address room; e.g., Room 55B-->
<!--ELEMENT room (#PCDATA) >

<!--address floor, e.g., 10th-->
<!--ELEMENT address-floor (#PCDATA) >

<!--building information in address, e.g., Hoffman building-->
<!--ELEMENT building (#PCDATA) >

<!--street may contain house number or name-->
<!--ELEMENT street (#PCDATA) >

<!--City or town name-->
<!--ELEMENT city (#PCDATA) >

<!--County, parish, department, etc (mainly UK, USA)-->
<!--ELEMENT county (#PCDATA) >

<!--Region of country eg. state, province, etc.-->
<!--ELEMENT state (#PCDATA) >

<!--postal code or zip code-->
<!--ELEMENT postcode (#PCDATA) >

<!--if no structure is possible, enter text (without markup)-->
<!--ELEMENT text (#PCDATA) >

<!--a signature represented by electronic means-->
<!--ELEMENT electronic-signature (basic-signature | enhanced-signature) >

<!--ATTLIST electronic-signature
date CDATA #REQUIRED
place-signed CDATA #IMPLIED >

<!--a non-PKI electronic signature-->
<!--ELEMENT basic-signature (fax-image | text-string | click-wrap) >

<!--a TIFF image of a signature-->
<!--ELEMENT fax-image EMPTY >

<!--ATTLIST fax-image
file CDATA #REQUIRED >
```

```
<!--a simple text string is to be used as the basic electronic signature, e.g.,  
John Doe <text-string>jd/</text-string-->  
<!ELEMENT text-string (#PCDATA) >  
  
<!--a simple 'signature', e.g., clicking a button labeled 'accept' or 'I agree'-->  
<!ELEMENT click-wrap EMPTY >  
  
<!--A PKI / PKCS #7 digital signature data type-->  
<!ELEMENT enhanced-signature (pkcs7) >  
  
<!--PKCS7 digital signature-->  
<!ELEMENT pkcs7 EMPTY >  
  
<!--the capacity in which the person signs-->  
<!ELEMENT signatory-capacity (#PCDATA) >
```

[Annex 2 follows/
L'annexe 2 suit]



C. PCT 959
– 07.2

November 5, 2003

Madam,
Sir,

*Proposed modifications of Annex F
of the Administrative Instructions under the PCT*

*Standard for the electronic filing and processing of international applications:
Proposals for change (files PCT/EF/PFC 03/001 to 005)*

1. This circular concerns proposals for change to the standard for the electronic filing and processing of international applications under the Patent Cooperation Treaty (PCT) which will, if adopted, result in modifications of Annex F of the Administrative Instructions under the PCT. It is being sent, for the purposes of consultation pursuant to Rule 89.2(b) of the Regulations under the PCT, and under the change procedure provided for in section 2.5.5 of Annex F (expedited consideration of proposals for change), to the national and regional patent Offices of, or acting for, all PCT Contracting States, including all receiving Offices, International Searching Authorities, International Preliminary Examining Authorities, and designated and elected Offices, and to interested intergovernmental organizations, as well as to certain non-governmental organizations representing users of the PCT system.
2. The International Bureau has received and prepared a number of proposals for change to the standard for the electronic filing and processing of international applications relating to corrections and additions to the DTDs in view of the entering into force of a number of changes to the PCT Regulations on January 1, 2004 (see http://www.wipo.int/pct/reform/en/measures_adopted.htm). Those proposals are available on WIPO's Website as annexes to the following proposal for change (PFC) files (see http://www.wipo.int/pct/efiling_standard/en):

/...

- PCT/EF/PFC 03/001 “Corrections to the DTDs consequential to the modifications of the PCT Regulations which enter into force on January 1, 2004” (Annex F, Appendix I) (proposal by the International Bureau, the European Patent Office, the United States Patent and Trademark Office and the Japan Patent Office);
- PCT/EF/PFC 03/002 “Corrections to version 1.1 DTDs” (Annex F, Appendix I) (proposal by the International Bureau);
- PCT/EF/PFC 03/003 “New DTD on priority documents” (Annex F, Appendix I) (proposal by the International Bureau);
- PCT/EF/PFC 03/004 “Corrections and additions to the recommended file naming convention and to Appendix I” (Annex F, section 4.3, and Appendix I) (proposal by the International Bureau);
- PCT/EF/PFC 03/005 “Corrections to version 1.2 DTDs” (Annex F, Appendix I) (proposal by the International Bureau).

3. The International Bureau would appreciate receiving any comments on the proposals by December 15, 2003. Comments should preferably be made via the “Submit comments” facility on the Website (at http://www.wipo.int/pct/efiling_standard/en/submit_comment.htm), but may alternatively be made in writing by letter or by fax to 41-22-338 8040. Comments will be included as Annexes to the relevant PFC files. Copies of the proposals on paper are available from the International Bureau on request. Inquiries concerning the proposals should be directed to Mr. Thiam Ming Song (e-mail: thiam ming.song@wipo.int; phone: 41-22-338 9640; fax: 41-22-338 8040). Please note that, in order for the International Bureau to update the electronic filing systems in view of the entry into force of modifications to the PCT Regulations on January, 1, 2004, the Consultative Group has also been asked to make its recommendations on the proposals contained in PCT/EF/PFC 03/001, 002 and 005 files by December 15, 2003.

4. The International Bureau intends to promulgate the proposals contained in the PCT/EF/PFC 03/001, 002 and 005 files, revised if necessary in the light of any comments received, by December 2003, with effect from January 1, 2004. The International Bureau intends to promulgate the proposals contained in PCT/EF/PFC 03/003 and 004 files, revised if necessary in the light of any comments received, by February 2004, with immediate effect.

Sincerely yours,



Francis Gurry
Assistant Director General



C. PCT 959
– 07.2

Le 5 novembre 2003

Madame,
Monsieur,

*Propositions de modification de l'annexe F
des instructions administratives selon le PCT*

*Norme concernant le dépôt et le traitement électroniques
des demandes internationales :
Propositions de modification (dossiers PCT/EF/PFC 03/001 à 005)*

1. La présente circulaire concerne des propositions de modification de la norme concernant le dépôt et le traitement des demandes internationales selon le Traité de coopération en matière de brevets (PCT) qui, si elles étaient adoptées, aboutiraient à la modification de l'annexe F des instructions administratives du PCT. Elle est adressée, aux fins de la consultation prévue à la règle 89.2.b) du règlement d'exécution du PCT, et conformément à la procédure de modification prévue à la section 2.5.5 de l'annexe F (examen accéléré des propositions de modification), aux offices de brevets nationaux et régionaux de tous les États contractants du PCT ou agissant pour eux, notamment l'ensemble des offices récepteurs, des administrations chargées de la recherche internationale, des administrations chargées de l'examen préliminaire international et des offices désignés et élus, ainsi qu'aux organisations intergouvernementales intéressées et à certaines organisations non gouvernementales représentant les utilisateurs du système du PCT.

2. Le Bureau international a reçu et préparé un certain nombre de propositions de modification de la norme concernant le dépôt et le traitement électroniques des demandes internationales relatives à des corrections et à des adjonctions apportées aux DTDs en vue de l'entrée en vigueur au 1^{er} janvier 2004 d'un certain nombre de modifications du Règlement d'exécution du PCT (voir http://www.wipo.int/pct/reform/fr/measures_adopted.htm). Ces propositions peuvent être consultées sur le site Web de l'OMPI en tant qu'annexes des dossiers de propositions de modification suivants (voir http://www.wipo.int/pct/efiling_standard/fr) :

/...

- PCT/EF/PFC 03/001 “Corrections apportées aux DTDs en rapport avec les modifications du Règlement d'exécution du PCT avec effet le 1^{er} janvier 2004” (appendice I de l'annexe F) (proposition du Bureau international, de l'Office européen des brevets, de l'Office des brevets et des marques des Etats-Unis d'Amérique et de l'Office des brevets du Japon);
- PCT/EF/PFC 03/002 “Corrections apportées à la version 1.1 des DTDs” (appendice I de l'annexe F) (proposition du Bureau international);
- PCT/EF/PFC 03/003 “Nouvelle DTD relative aux documents de priorité” (appendice I de l'annexe F) (proposition du Bureau international);
- PCT/EF/PFC 03/004 “Corrections apportées à la version 1.2 des DTDs” (section 4.3 et appendice I de l'annexe F) (proposition du Bureau international);
- PCT/EF/PFC 03/005 “Corrections apportées à la version 1.2 des DTDs” (appendice I de l'annexe F) (proposition du Bureau international).

3. Le Bureau international souhaiterait recevoir tout commentaire sur ces propositions le 15 décembre 2003 au plus tard. Les commentaires doivent de préférence être envoyés grâce à la fonction “envoyer un commentaire” prévue sur le site Web (voir http://www.wipo.int/pct/efiling_standard/fr/submit_proposal-fr.htm), mais peuvent aussi être envoyés par courrier postal ou par télécopie (41-22-338 8040). Les commentaires éventuels seront inclus dans les annexes des différents dossiers de propositions de modification. Des copies de ces propositions sous forme imprimée sont disponibles auprès du Bureau international sur demande. Les demandes de renseignements concernant ces propositions sont à adresser à M. Thiam Ming Song (courriel : thiam ming.song@wipo.int; téléphone : 41-22-338 9640; télécopie : 41-22-338 8040). Veuillez noter que, afin que le Bureau international mette à jour les systèmes de dépôt électronique en vue de l'entrée en vigueur des modifications du Règlement d'exécution du PCT avec effet le 1^{er} janvier 2004, il a également été demandé au groupe consultatif de présenter ses recommandations portant sur les propositions qui figurent dans les dossiers PCT/EF/PFC 03/001, 002 et 005, le 15 décembre 2003 au plus tard.

4. Le Bureau international a l'intention de promulguer les propositions qui figurent dans les dossiers PCT/EF/PFC 03/001, 002 et 005 en décembre 2003, si nécessaire après les avoir révisées en fonction des commentaires reçus, avec effet le 1^{er} janvier 2004. Le Bureau international a l'intention de promulguer les propositions qui figurent dans les dossiers PCT/EF/PFC 03/003 et 004 en février 2004, si nécessaire après les avoir révisées en fonction des commentaires reçus, avec effet immédiat.

Veillez agréer, Madame, Monsieur, l'assurance de ma considération distinguée.



Francis Gurry
Sous-directeur général

ANNEX 3/ANNEXE 3

COMMENTS BY THE EUROPEAN PATENT OFFICE, THE JAPAN PATENT OFFICE,
AND THE UNITED STATES PATENT AND TRADEMARK OFFICE
(THE TRILATERAL OFFICES) AND THE INTERNATIONAL BUREAU

The TO's accepted the PFC, which revises the DTD's affected by the other PFC's in the Circular (application-body-v1-2.dtd, request-v1-2.dtd, demand-v1-2.dtd, fee-sheet-v1-2.dtd, ipea-demand-receiving-info-v1-2.dtd).

[End of Annex and of file/
Fin de l'annexe et du dossier]