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PCT/EF/PFC 04/005

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SITUATION AU : 2 juin 2004

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

<b>SUBJECT:</b> New DTDs relating to the ISR and the IPER (Appendix I of Annex F)		<b>PROPOSED BY:</b> EP, IB, JP, US	
<b>SUJET :</b> Nouvelles DTDs (appendice I de l'annexe F)		<b>PROPOSÉE PAR :</b>	
<b>HANDLING:</b> Expedited cycle		<b>PROPOSED DATE OF ENTRY INTO FORCE:</b> 01.01.2005	
<b>TRAITEMENT :</b> Cycle accéléré		<b>DATE PROPOSÉE D'ENTRÉE EN VIGUEUR :</b>	
<b>ANNEX/ ANNEXE</b>	<b>CONTENT/CONTENU</b>	<b>ORIGIN/ ORIGINE</b>	<b>DATE</b>
1	Proposal/Proposition	EP, IB, JP, US	02.06.2004

[Annex 1 follows/  
L'annexe 1 suit]

<b>NEXT ACTION:</b> Comments, recommendations		<b>BY:</b> 20.07.2004	
<b>PROCHAINE ACTION :</b> Observations, recommandations		<b>POUR LE :</b>	

## ANNEX 1/ANNEXB

**New DTDs relating to the ISR and the IPER**

## 1. search-report version 1.0

```

<!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?)" >

<!--
*****
* search-report-v01 2004-05-12*
*****
* PUBLIC "-//WIPO//DTD WO SEARCH REPORT 0.1//EN"
* "search-report.dtd" *
*****
EPO: Paul Brewin, pbrewin@epo.org
JPO: Shiro Ankyu, ankyu-shiro@jpo.go.jp
USPTO: Bruce B. Cox; bruce.cox@uspto.gov
WIPO: Hideto Tanaka; hideto.tanaka@wipo.int
*****
Revision history:
Version 01, 2004-05-05 - PB
Version 01, 2004-04-27 - PB - this version is for comment (PFC) on WIPO
PFC website. For implementation January 2005.

** IT HAS NOT BEEN TESTED IN A PRODUCTION ENVIRONMENT
*****
Notes:

This DTD is intended to process stand-alone search reports (SR) sent to the
applicant - use search-report-data when included in patent-doc.: xx-patent-
document.dtd
Namely the ISR (PCT) and the EPO SR.

This DTD is based on:
Form PCT/ISA/201 Jan. 2004 (International-type SR)
Form PCT/ISA/210 Jan. 2004 (main SR)
Form PCT/ISA/220 Jan. 2004 (transmittal)
Form PCT/ISA/237 Jan. 2004 (written opinion)

Some stylesheet info. has been put in in most places
according to the NEW ISR layout - it needs more detailed
instructions and will need changing for the published ISR
as part of the PCT pamphlet.

It is recommended to use the new layout and not the "box"
layout of current paper forms.

*****
* SECTION I - DECLARATION, ENT. REFs, ISO sets, etc *
* TO BE ADDED TO STAND-ALONE VERSION *
*****
* Insert UNICODE/ISO character sets here *
*****
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. Now they have been commented out.

*****
* INCLUDE COMPONENT DTDS (MATHML2, OASIS EXCHANGE TABLE MODEL

```

```
*****

NOT INCLUDED IN THIS VERSION - MATHS AND TABLES TO BE MODIFIED
(unlikely in ISR anyway).

DTD MathML2: maintained by W3C. Download from:
http://www.w3.org/TR/MathML2/DTD-MathML-20010221.zip

If using nsgmls-based parser (SP, Near & Far Designer, etc.)
uncomment 'mathml-charent-module' switch below or replace the
referenced MathML2 DTD with the version downloadable from:
http://www.w3.org/Math/DTD/dtd-sp.zip

This notice copied from: http://www.w3.org/Math/DTD/

"DTD for nsgmls
Some systems (including the popular nsgmls parser) may not be able
to process files using 'plane 1' characters which have Unicode
numbers higher than #xFFFF. The versions of the DTD provided here
incorporate the modifications mentioned above, but the high
characters are replaced by the equivalent mchar construct
<mchar name="..." /> this allows the DTD to be read and for MathML
files to be validated using such systems."

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 | figref | img
| dl | ul | ol | chemistry | maths)* "

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

*****
* SECTION II OF DTD *
*****

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
country = WIPO ST.3 code for application
date = YYYYMMDD e.g, 20011230
search-type = type of search conductedSearch report as a
separate document and sub-document in publication , etc.
Mainly for the PCT ISR and EP SRs.
-->
<!ELEMENT search-report (doc-page+ | (srep-info?,srep-for-pub?,
```

```
srep-written-opinion?,office-specific-srep-data*)) >
<!ATTLIST search-report id ID #REQUIRED
                        file CDATA #REQUIRED
                        lang CDATA #IMPLIED
                        status CDATA #IMPLIED
                        date-produced CDATA #REQUIRED
                        srep-type CDATA #IMPLIED
                        srep-office CDATA #REQUIRED
                        dtd-version CDATA #IMPLIED >

<!--
Abstract number
-->
<!ELEMENT absno (#PCDATA) >

<!--
the alleged problem that the invention purports to solve Recommended id = 'absp'
-->
<!ELEMENT abst-problem (p+) >
<!ATTLIST abst-problem id ID #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 >

<!--
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 id ID #IMPLIED
                  lang CDATA #IMPLIED
                  status CDATA #IMPLIED >

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

<!--
Additional information
Supplemental information.
-->
<!ELEMENT additional-info (#PCDATA) >

<!--
address components: Address formats differ from country to country If no structure
possible use text
-->
<!ELEMENT address %address_group; >

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

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

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

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

<!--
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  #IMPLIED  >

<!--
Alternate title for serial eg. BMJ = British Medical Journal
-->
<!ELEMENT alttitle  (#PCDATA) >

<!--
the nucleotide and/or amino acid sequence listing does not comply with
the standard provided for in Annex C of the
Administrative Instructions in that:

the written form has not been furnished
does not comply with the standard

the computer readable form has not been furnished
does not comply with the standard
-->
<!ELEMENT annex-c  (sequence-listing-written-form?,
sequence-listing-computer-readable-form?) >

<!--
the tables related to the nucleotide and/or amino acid sequence listing,
if in computer readable form only, do not comply with
the technical requirements provided for in Annex C-bis of the
Administrative Instructions.
-->
<!ELEMENT annex-c-bis  EMPTY  >

<!ELEMENT applicability-not-valid  (claim-num*) >

<!ELEMENT applicability-valid  (claim-num*) >

<!--
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?) >

<!--
application reference information: application number, country etc
For Forms 210 and 220: International application No.
For 201: National application No.
-->
<!ELEMENT application-reference  (document-id) >
<!ATTLIST application-reference  appl-type  CDATA  #REQUIRED  >

<!--
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. [XPnnnnnnnnnnnn].

```
<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

```
-->
<!--
Article unique ID - assigned by a publisher to an article
-->
<!--
Assistant Examiner. ST.32 equivalency = B747
-->
<!--
article title
-->
<!--
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.
-->
<!--
Authorized Officer.
-->
<!--
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.)
-->
<!--
bold formatting for text
-->
```

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

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

<!--
PCT/ISA/210
Box 1::Basis of the Report
a. With regard to the language, the international search was carried
out on the basis of the international application in the
language in which it was filed, unless otherwise indicated under this item.

attribute value = "no":

The international search was carried out on the basis of a translation of the
international application furnished to
this Authority (Rule 23.1(b)).
-->
<!ELEMENT basis-language-for-search EMPTY >
<!ATTLIST basis-language-for-search translation (yes | no) "no" >

<!--
Form PCT/ISA/237 (Box No. I) (January 2004)
Basis of this opinion
-->
<!ELEMENT basis-of-srep-opinion (translation-of-appl?,sequence-list-basis?) >

<!--
biological accession number: the identification assigned to the biological material
by the depository
-->
<!ELEMENT bio-accno (#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?) >
<!ATTLIST bio-deposit
    id ID #IMPLIED
    num CDATA #REQUIRED
    url CDATA #IMPLIED
    dnum CDATA #IMPLIED >

<!--
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*))) >

<!--
the title of the cited book
-->
<!ELEMENT book-title (#PCDATA) >

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

<!--
br - break, line break within a paragraph
-->
<!ELEMENT br EMPTY >

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

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

<!--
(PCT/ISA/237 )
1. Certain published documents (Rules 43bis.1 and 70.10)

(PCT/IPEA/409 and PCT/IPEA/408 )
1. Certain published documents (Rule 70.10)
-->
<!ELEMENT certain-published-documents ((citation+,filing-date,priority-date?) |
    text) >

<!--
chapter, e.g., in a book. Example: Chapter 2
-->
<!ELEMENT chapter (#PCDATA) >

<!--
This is a pointer to an external DTD for chemical markup - to be determined.
For EPO probably CML; see. http://www.xml-cml.org/
-->
<!ELEMENT chem EMPTY >
<ATTLIST chem id ID #IMPLIED
    file CDATA #REQUIRED
    lang CDATA #IMPLIED
    status CDATA #IMPLIED
    dtd-version CDATA #REQUIRED >

<!--
Chemical formulae, ring structures, Markush structures, etc.
For now treat as image data. Depending on industry support we may use, e.g.,
CML
Recommended id = chem01, chem02, etc
-->
<!ELEMENT chemistry (img | (chem,img?)) >
<ATTLIST chemistry id ID #IMPLIED
    num CDATA #REQUIRED >

<!--
srep-phase:
```



```
The phase in which the citation was made, eg.
international
national
by applicant
-->
<!ELEMENT citation ((patcit | nplcit),corresponding-docs*,rel-passage*,category*,
rel-claims*) >
<!ATTLIST citation srep-phase CDATA #IMPLIED >

<!--
Citations and explanations:
-->
<!ELEMENT citations-explanations ((citation+,filing-date,priority-date?) | text) >

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

<!--
(PCT/ISA/237 - Box II) - Priority

2. This opinion has been established as if no priority had been
claimed due to the fact that the priority claim has been found
invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion,
the international filing date
indicated above is considered to be the relevant date.
-->
<!ELEMENT claim-invalid EMPTY >

<!--
Claim number(s)
-->
<!ELEMENT claim-num (#PCDATA) >

<!--
Remarks on these claims
-->
<!ELEMENT claim-remark (#PCDATA) >

<!ELEMENT claims-not-searched (#PCDATA) >

<!ELEMENT claims-searched (#PCDATA) >

<!ELEMENT claims-searched-incompletely (#PCDATA) >

<!--
classification code; e.g. ipc, dewey etc.
-->
<!ELEMENT class (#PCDATA) >
<!ATTLIST class class-type CDATA #IMPLIED >

<!--
International Patent Classification (IPC) data. INID 51. ST.32 equivalency = B510
-->
<!ELEMENT classification-ipc (edition,main-classification,
further-classification*,(additional-info | linked-indexing-code-group |
unlinked-indexing-code)*,text?) >

<!--
Domestic or national classification. INID 52. ST.32 equivalency = B520
-->
<!ELEMENT classification-national (country,edition?,main-classification,
further-classification*,(additional-info |
linked-indexing-code-group | unlinked-indexing-code)*,text?) >

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

```
-->
<!ELEMENT click-wrap    EMPTY    >

<!--
Claims Nos.: (insert value from cliaim-no)
because they relate to subject matter not required
to be searched by this Authority, namely:
-->
<!ELEMENT clms-reason-1  (claim-num+,claim-remark) >

<!--
Claims Nos.: (insert value from claim-no)
because they relate to parts of the international application that
do not comply with the prescribed requirements to such an
extent that no meaningful international search can be carried out, specifically:
-->
<!ELEMENT clms-reason-2  (claim-num+,claim-remark) >

<!--
Claim number(s) (insert value from cliaim-no)
because they are dependent claims and are not drafted in
accordance with the second and third sentences of PCT Rule 6.4(a)
-->
<!ELEMENT clms-reason-3  (claim-num+) >

<!--
cited document column, first
-->
<!ELEMENT colf  (#PCDATA) >

<!--
cited document column, last
-->
<!ELEMENT coll  (#PCDATA) >

<!--
cited document column numbers
-->
<!ELEMENT column  (#PCDATA | colf | coll)* >

<!--
-->
<!ELEMENT completion-date  (date) >

<!--
(PCT/ISA/237 ) - Box No. IV Lack of unity of invention

(3) This Authority considers that the requirement of unity of invention
in accordance with Rule 13.1, 13.2 and 13.3 is

complied with
not complied with for the following reasons:
-->
<!ELEMENT compliance-unity-invention  (p*) >
<!ATTLIST compliance-unity-invention  unity-complied (yes | no)  #REQUIRED  >

<!--
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 number
-->
<!ELEMENT confno  (#PCDATA) >
```

```
<!--
Conference place
-->
<!ELEMENT confplace  (#PCDATA | address)* >

<!--
Conference sponsor
-->
<!ELEMENT confsponsor  (#PCDATA | addressbook)* >

<!--
Conference title
-->
<!ELEMENT conftitle  (#PCDATA) >

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

<!--
& docs. : Patent family and corresponding-docs
-->
<!ELEMENT corresponding-docs  (document-id | nplcit)* >

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

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

<!--
copyright info. Copyright of publisher of serial
-->
<!ELEMENT cpyrt  (#PCDATA) >

<!--
Cross reference to any other element with an identifier (id)
-->
<!ELEMENT crossref  (#PCDATA | b | i | u | sup | sub | smallcaps)* >
<!ATTLIST crossref  idref  CDATA  #REQUIRED >

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

<!--
Database(s) searched
-->
<!ELEMENT database-searched  (text | nplcit) >

<!--
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) >
```

```
<!--
date of mailing:
-->
<!ELEMENT date-of-mailing (date) >

<!--
Date of written disclosure
referring to non-written disclosure
(day/month/year)
-->
<!ELEMENT date-of-written-disclosure (date) >

<!--
date cited - date on which the citation was cited. May be different from srchdate
below
-->
<!ELEMENT datecit (date) >

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

<!--
(PCT/ISA/237 - Box VII)

Certain defects in the international application

The following defects in the form or contents of the international application
have been noted:
-->
<!ELEMENT defect-in-application (p+) >

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

<!--
information regarding the facility storing the biological deposit
-->
<!ELEMENT depositary (#PCDATA | address)* >

<!--
Physical description - generally NOT used in citations in pats. eg. v., 27cm
-->
<!ELEMENT descrip (#PCDATA) >

<!--
definition list Recommended id = dlis01, dlis02, etc.
-->
<!ELEMENT dl (dt,dd)+ >
<!ATTLIST dl tsize NMTOKEN #IMPLIED
    compact (compact) #IMPLIED
    id ID #IMPLIED >

<!--
the number of the referenced patent (or application) document
-->
<!ELEMENT doc-number (#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 NMOKEN #REQUIRED
    wi NMOKEN #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" >
```

<!--  
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 >
```

```
<!--
term to be defined Recommended id = dtrm01, dtrm02, etc.
```

```
-->
<!ELEMENT dt      (#PCDATA | b | i | u | sup | sub | smallcaps)* >
<!ATTLIST dt      id ID #IMPLIED >
```

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

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

<!--  
(PCT/ISA/237 - Box II)

## Priority

1. The following document has not yet been furnished:

Attribute vakuē:

1 = copy of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(a)).

2 = translation of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(b)).

Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.

```
-->
<!ELEMENT earlier-appl EMPTY >
<!ATTLIST earlier-appl prio-code (1 | 2) #REQUIRED >
```

```
<!--
end date used in pubdate
-->
<!ELEMENT edate (#PCDATA) >
```

```
<!--  
edition statement  
-->
```

```
<!ELEMENT edition (#PCDATA) >

<!--
a signature represented by electronic means
-->
<!ELEMENT electronic-signature (basic-signature | enhanced-signature) >
<!ATTLIST electronic-signature date CDATA #REQUIRED
                                place-signed CDATA #IMPLIED >

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

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

<!--
the entire international application.
-->
<!ELEMENT entire-application EMPTY >

<!--
Persons acting on the document. ST.32 equivalency = B745
-->
<!ELEMENT examiners (primary-examiner?,assistant-examiner?,authorized-officer?) >

<!--
Patent family. ST.32 equivalency = B345
-->
<!ELEMENT family-member (document-id) >

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

<!--
a TIFF image of a signature
-->
<!ELEMENT fax-image EMPTY >
<!ATTLIST fax-image file CDATA #REQUIRED >

<!--
PCT/RO/101 Box IX: the number of the figure which should accompany the abstract
-->
<!ELEMENT fig-number (#PCDATA) >

<!--
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)* >
<!ATTLIST figref idref IDREFS #IMPLIED
                num CDATA #IMPLIED >

<!--
figure of the drawings which should accompany the abstract
-->
<!ELEMENT figure-to-publish (fig-number+) >

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

```

<!ELEMENT filing-date (date) >

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

<!--
further/secondary classification ST.32 equivalency = B512/B522
-->
<!ELEMENT further-classification (#PCDATA) >

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

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

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

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

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

<!--
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" - milimeters - 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 >
<!--
<!--
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*)) >

<!--
The element is to process EPO SR FORM 1503 - partial SR.
eg EP 99305342
-->
<!ELEMENT incomplete-search (text | (claims-searched?,
claims-searched-incompletely?,claims-not-searched?,
reason-limited-search)) >

<!--
issue number
-->
<!ELEMENT ino (#PCDATA) >

<!--
The questions whether the claimed invention appears to be novel,
to involve an inventive step (to be non obvious), or to be
industrially applicable have not been examined in respect of:
-->
<!ELEMENT invention-not-examined ((entire-application | claim-num+),
non-estab-reason-1?,non-estab-reason-2?,non-estab-reason-3?,
non-estab-reason-4?) >

<!--
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 >

<!ELEMENT inventive-step-not-valid (claim-num*) >

<!ELEMENT inventive-step-valid (claim-num*) >

<!--
In response to the invitation (Form PCT/ISA/206) to pay additional fees
the applicant has:

Attribute values:

(PCT/ISA/237 )
1 = paid additional fees
2 = paid additional fees under protest
3 = not paid additional fees
4 = not used

(PCT/IPEA/409 and PCT/IPEA/408 )
1 = restricted the claims
2 = paid additional fees
3 = paid additional fees under protest
4 = neither restricted nor paid additional fees
-->
<!ELEMENT invitation-pay-additional-fees EMPTY >
<!ATTLIST invitation-pay-additional-fees unity-fee-code (1 | 2 | 3 | 4) #REQUIRED>

<!--
International standard book number
-->
<!ELEMENT isbn (#PCDATA) >

<!--
International standard serial number
-->
<!ELEMENT issn (#PCDATA) >
```



```
<!--
issue designation; e.g.: Annual, 1971-, 1890-1972
-->
<!ELEMENT issue (#PCDATA) >

<!--
Keyword; e.g., from a Thesaurus or class. Scheme
-->
<!ELEMENT keyword (#PCDATA) >

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

<!--
Kind of non-written disclosure
-->
<!ELEMENT kind-of-disclosure (#PCDATA) >

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

<!--
list item Recommended id = list01, list02, etc.
-->
<!ELEMENT li (#PCDATA | b | i | u | sup | sub | smallcaps | br | patcit | nplcit |
    bio-deposit | crossref | figref | img | dl | ul | ol | chemistry |
    maths)* >
<!ATTLIST li id ID #IMPLIED
    num CDATA #IMPLIED >

<!--
referenced line within cited work
-->
<!ELEMENT line (#PCDATA | linef | linel)* >

<!--
cited document line, first
-->
<!ELEMENT linef (#PCDATA) >

<!--
cited document line, last
-->
<!ELEMENT linel (#PCDATA) >

<!--
Linked indexing code. ST.32 equivalency = B514/B524
-->
<!ELEMENT linked-indexing-code-group (main-linked-indexing-code,
    sub-linked-indexing-code+) >

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

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

<!--
main classification. ST.32 equivalency = B511/B521
-->
```

```
<!ELEMENT main-classification (#PCDATA) >

<!--
Main Linked Indexing Code.
-->
<!ELEMENT main-linked-indexing-code (#PCDATA) >

<!--
(PCT/ISA/210 Box No. I Nucleotide and/or amino acid sequence(s)
(Continuation of item1.b of the first sheet))
1. With regard to any nucleotide and/or amino acid sequence disclosed in the
international application and necessary to the claimed
invention, the international search was carried out on the basis of:

(PCT/ISA/237 Box No. I Basis of this opinion)
2. With regard to any nucleotide and/or amino acid sequence disclosed in the
international
application and necessary to the
claimed invention, this opinion has been established on the basis of:

(PCT/IPEA/409 Supplemental Box Relating to Sequence Listing)
1. With regard to any nucleotide and/or amino acid sequence disclosed in the
international
application and necessary to the claimed
invention, this report was established on the basis of:

(PCT/IPEA/408 Supplemental Box Relating to Sequence Listing)
1. With regard to any nucleotide and/or amino acid sequence disclosed in the
international
application and necessary to the claimed
invention, this opinion was established on the basis of:
-->
<!ELEMENT material-of-sequence-list (sequence-listing-material-type,
sequence-listing-material-format,sequence-listing-filing-time) >

<!--
** MATH NEEDS CHANGING TO ALLOW MATHML2 IT SHOULD NOT
BE EMPTY **
-->
<!ELEMENT math EMPTY >

<!--
MATHEMATICS This is image data or coded according to
mathml, version 2 Recommended id = math01, math02, etc.
-->
<!ELEMENT maths (img | (math,img?)) >
<!ATTLIST maths id ID #IMPLIED
num CDATA #REQUIRED >

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

<!--
minimum documentation searched
-->
<!ELEMENT minimum-documentation (classification-ipc,classification-national?) >

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

<!--
monographic series number
-->
<!ELEMENT msn (#PCDATA) >
```

```
<!--
monographic series title
-->
<!ELEMENT mst (#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 >

<!--
the said international application, or the said claims Nos. "rel-claims"
relate to the following subject matter which does not require an international
preliminary examination
-->
<!ELEMENT non-estab-reason-1 (claim-num*,p+) >

<!--
the description, claims or drawings (indicate particular elements below) or
said claims Nos.(claim nos)
are so unclear that no meaningful opinion could be formed (specify):
-->
<!ELEMENT non-estab-reason-2 (claim-num*,p+) >

<!--
the claims, or said claims Nos. (claim nos) are so inadequately supported
by the description that no meaningful opinion could be formed.
-->
<!ELEMENT non-estab-reason-3 (claim-num+) >

<!--
no international search report has been established for said claims Nos.(rel-
claims)
-->
<!ELEMENT non-estab-reason-4 (claim-num+) >

<!--
(PCT/ISA/237 - Box III)

Non-establishment of opinion with regard to
novelty, inventive step and industrial applicability
-->
<!ELEMENT non-establishment-of-opinion (invention-not-examined,
not-annex-c-compliant) >

<!--
(PCT/ISA/237 )
2. Non-written disclosures (Rules 43bis.1 and 70.9)

(PCT/IPEA/409 and PCT/IPEA/408 )
2. Non-written disclosures (Rule 70.9)
-->
<!ELEMENT non-written-disclosures (kind-of-disclosure,date,
date-of-written-disclosure) >

<!--
(PCT/ISA/237 - Box III)
-->
<!ELEMENT not-annex-c-compliant (annex-c?,annex-c-bis?,additional-info?) >

<!--
(PCT/ISA/237 ) - Box No. IV Lack of unity of invention (2)
This Authority found that the requirement of unity of invention is not complied
with
```

```
and chose not to invite the applicant to pay additional fees.

(PCT/IPEA/409 )
This Authority found that the requirement of unity of invention is not complied
with and chose, according to Rule 68.1, not
to invite the applicant to restrict or pay additional fees.
-->
<!ELEMENT not-unity-of-invention    EMPTY    >

<!--
notes about the journal; e.g. Continues Journal of XYZ 1910-1998, published in
French and English, etc.
-->
<!ELEMENT notes    (#PCDATA) >

<!ELEMENT novelty-not-valid    (claim-num*) >

<!ELEMENT novelty-valid    (claim-num*) >

<!--
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)*) >
<!--
<!--
(PCT/ISA/237 - Box VIII)
Certain observations on the international application

The following observations on the clarity of the claims, description, and
drawings or on the question whether the claims are fully supported by the
description, are made:
-->
<!ELEMENT observation-on-application    (p+) >

<!--
Office is the ST.3 country code, including the regional authorities.
```

```

Office-dtd is the file which contains the DTD for the
office-specific bibliographic elements.
ALTERNATIVELY elemnt names may be grouped
directly under this element. - add the
two letter ST.3 code.
-->
<!ELEMENT office-specific-srep-data EMPTY >
<!ATTLIST office-specific-srep-data
            office CDATA #REQUIRED
            office-dtd CDATA #REQUIRED
            file CDATA #REQUIRED
            id CDATA #IMPLIED
            lang CDATA #IMPLIED
            status CDATA #IMPLIED >

<!--
Ordered Lists: attribute 'ol-style' - recommded use: 1 arablic
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 >

<!--
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*)) >

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

<!--
(PCT/ISA/237 - Box VI)

Certain documents cited
1. Certain published documents (Rules 43bis.1 and 70.10)

2. Non-written disclosures (Rules 43bis.1 and 70.9) goes under nplcit, othercit
-->
<!--
ELEMENT opinion-citations (certain-published-documents |
non-written-disclosures)* >

<!--
(PCT/ISA/237 ) - Box No. IV Lack of unity of invention

Consequently, this opinion has been established in respect of the
following parts of the international application:

all parts
the parts relating to claims Nos.
-->
<!--
ELEMENT opinion-established-regarding (entire-application | claim-num+) >

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

<!--
Documentation searched other than minimum documentation
-->
```

```

<!ELEMENT other-documentation (#PCDATA) >

<!--
other citations - free form
-->
<!ELEMENT othercit (#PCDATA) >

<!--
paragraph Recommended id = p01, p02, etc. num = 001, 002, etc.
-->
<!ELEMENT p (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | dl | ul |
ol | crossref | figref | patcit | nplcit | bio-deposit | img |
chemistry | maths | tables | table-external-doc)* >
<!ATTLIST p id ID #IMPLIED
num CDATA #REQUIRED >

<!--
referenced paragraph within cited work
-->
<!ELEMENT para (#PCDATA | paraf | paral)* >

<!--
cited paragraph, first
-->
<!ELEMENT paraf (#PCDATA) >

<!--
cited paragraph, last
-->
<!ELEMENT paral (#PCDATA) >

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

<!--
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="pcit01" 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 >

<!--patent family member-->

```

```
<!ELEMENT patent-family (priority-application,family-member+) >
<!ATTLIST patent-family id ID #IMPLIED >

<!--
(PCT/ISA/237 - Box V)

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty,
inventive step or industrial applicability;
citations and explanations supporting such statement
-->
<!ELEMENT pct-rule43bis-statement (novelty-valid,novelty-not-valid,
    inventive-step-valid,inventive-step-not-valid,applicability-valid,
    applicability-not-valid,citations-explanations?) >

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

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

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

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

<!--
cited document page numbers
-->
<!ELEMENT pp (#PCDATA | ppf | ppl)* >

<!--
cited document page , first
-->
<!ELEMENT ppf (#PCDATA) >

<!--
cited document page, last
-->
<!ELEMENT ppl (#PCDATA) >

<!ELEMENT pre (#PCDATA) >
<!ATTLIST pre id ID #IMPLIED
    xml:space CDATA #FIXED "preserve"
    listing-type (sequence | other | software-code) #REQUIRED >

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

<!--
(PCT/ISA/210 and PCT/ISA/237 )
3. In addition, in the case that more than one version or copy of a sequence
listing and/or
table relating thereto has been filed
or furnished, the required statements that the information in the subsequent
or additional copies is identical to that in the
application as filed or does not go beyond the application as filed, as
appropriate, were furnished.
```



```
(PCT/IPEA/409 and PCT/IPEA/408 )
In addition, in the case that more than one version or copy of a sequence listing
and/or table(s)
relating thereto has been filed
or furnished, the required statements that the information in the subsequent or
additional copies is identical to that in the
application as filed or does not go beyond the application as filed, as
appropriate, were furnished.
-->
<!ELEMENT presentation-of-statements EMPTY >

<!--
Primary Examiner. ST.32 equivalency = B746
-->
<!ELEMENT primary-examiner (%name_group;,electronic-signature?) >

<!--
XML version prior art document, if any
To be checked may be application-body.
-->
<!ELEMENT prior-art-xml-doc EMPTY >
<!ATTLIST prior-art-xml-doc file CDATA #REQUIRED
                                lang CDATA #IMPLIED
                                status CDATA #IMPLIED
                                carriers NMTOKEN #IMPLIED
                                id ID #IMPLIED >

<!--
Priority application number. INID 31; ST.32 equivalency = B310
-->
<!ELEMENT priority-application (document-id) >

<!--
Rule 70.10: Any published application ... shall be accompanied
by ... its claimed priority date (if any). In respect of the priority date
of any such document, the report may indicate that, in the opinion
of the International Preliminary Examining Authority, such date has
not been validly claimed.
-->
<!ELEMENT priority-date (#PCDATA) >
<!ATTLIST priority-date priority-valid (yes | no) "yes" >

<!--
(PCT/ISA/237 - Box II) - Priority
-->
<!ELEMENT priority-opinion (earlier-appl?,claim-invalid?,additional-info?) >
<!ATTLIST priority-opinion varid CDATA #IMPLIED >

<!--
publication date used in npl citations
-->
<!ELEMENT pubdate (#PCDATA | sdate | edate | time)* >

<!--
Publisher's unique id
-->
<!ELEMENT pubid (#PCDATA) >

<!ELEMENT reason-limited-search (p+) >

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

<!--
Reference number (general); for the EPO this is the XP number
```

```
-->
<!ELEMENT refno (#PCDATA) >
<!ATTLIST refno id ID #IMPLIED >

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

<!--
Claims to which cited document is relevant.
ST.32 equivalent = B564
-->
<!ELEMENT rel-claims (#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*)) >

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

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

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

<!--
start date used in pubdate
-->
<!ELEMENT sdate (#PCDATA) >

<!--
Remark on protest

Attribute values:
no = No protest accompanied the payment of additional search fees
yes = The additional search fees were accompanied by the
applicant's protest.
-->
<!ELEMENT search-fee-protest EMPTY >
<!ATTLIST search-fee-protest protest (yes | no) "no" >

<!--
PCT/ISA/210
Box 1::Basis of the Report

1b.. With regard to any nucleotide and/or amino acid sequence disclosed in
the international application and necessary to the
claimed invention, this opinion has been established on the basis of:
-->
<!ELEMENT sequence-list-basis (material-of-sequence-list,
presentation-of-statements?,additional-info?) >

<!--
the computer readable form
has not been furnished
does not comply with the standard
-->
```

```

<!ELEMENT sequence-listing-computer-readable-form EMPTY >
<!ATTLIST sequence-listing-computer-readable-form not-compliant
                                                    (not-furnished |
                                                    not-standard) #REQUIRED >

<!--
c. time of filing/furnishing
-->
<!ELEMENT sequence-listing-filing-time (#PCDATA) >
<!ATTLIST sequence-listing-filing-time time-of-filing
                                                    (in-application |
                                                    in-computer-readable-form |
                                                    furnished |
                                                    received-by-this-authority) #IMPLIED >

<!--
b. format of material
-->
<!ELEMENT sequence-listing-material-format EMPTY >
<!ATTLIST sequence-listing-material-format material-format
                                                    (written-format |
                                                    computer-readable-form) #IMPLIED >

<!--
a. type of material
-->
<!ELEMENT sequence-listing-material-type EMPTY >
<!ATTLIST sequence-listing-material-type material-type
                                                    (sequence-listing | table) #IMPLIED >

<!--
he written form
has not been furnished
does not comply with the standard
-->
<!ELEMENT sequence-listing-written-form EMPTY >
<!ATTLIST sequence-listing-written-form not-compliant
                                                    (not-furnished | not-standard) #REQUIRED >

<!--
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?) >

<!--
series statement
-->
<!ELEMENT series (text | (mst,msn?,issn?)) >

<!--
part within a serial
-->
<!ELEMENT serpart (#PCDATA) >

<!--
serial section
-->
<!ELEMENT sersect (#PCDATA) >

<!--
serial title
-->
<!ELEMENT sertitle (#PCDATA) >

<!--
small capitals

```

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

<!--
Date of search/retrieval YYYYMMDD
-->
<!ELEMENT srchdate  (date) >

<!--
Search terms
-->
<!ELEMENT srchterm  (#PCDATA) >

<!--
Abstract
(followed by:)
The text is approved as submitted by the applicant
[attribute "yes" (default)]
(or)
The text has been established according to Rule 38.2(b),
by this ISA as it appears below. The applicant may,
within one month from the date of mailing of this ISR,
submit comments to this ISA.

a revised abstract if present [attribute "no"]
(Old PCT/ISA/210 - 5)
-->
<!ELEMENT srep-abstract  (abstract?) >
<!ATTLIST srep-abstract  abs-approval (yes | no)  "yes" >

<!--
SR - ADMINISTRATIVE DETAILS
example layout:

ISA/Examiner: EPO
DE LAERE, Ann
PB 5818, Patentlaan 2
NL 2280 HV Rijswijk
Tel. +31 - 70 340 2040
Fax. +31 - 70 340 3016
Search completed: 10 August 1992
ISR mailed: 24 August 1992

** End of ISR **
-->
<!ELEMENT srep-admin  (examiners?,srep-office?,completion-date,date-of-mailing?) >

<!--
PCT/ISA/210
Box 1::Basis of the Report
-->
<!ELEMENT srep-basis  (basis-language-for-search,sequence-list-basis?) >

<!--
CITATIONS GROUP
Stylesheet:
DOCUMENTS CONSIDERED TO BE RELEVANT
(Citation, any relevant passage (*), followed by category
and claim number(s))
-->
<!ELEMENT srep-citations  (text | citation+) >

<!--
(Old PCT/ISA/210 - Box No. II)

Observations where certain claims were found unsearchable

This ISR has not been established in respect of certain
```

```
claims under Article 17(2)(a) for the following reasons:

(followed by one of the following three reasons:)
-->
<!ELEMENT srep-claims-info (clms-reason-1?,clms-reason-2?,clms-reason-3?) >

<!--
Form PCT/ISA/220 (January 2004)
If yes:

The applicant is hereby notified that the international search report
and the written opinion of the International Searching
Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:
The applicant is entitled, if he so wishes, to amend the claims of the
international application (see Rule 46):
When? The time limit for filing such amendments is normally two months from the
date of transmittal of the
international search report.
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35

if no:

The applicant is hereby notified that no international search report
will be established and that the declaration under
Article 17(2)(a) to that effect and the written opinion of the International
Searching Authority are transmitted herewith.
-->
<!ELEMENT srep-established EMPTY >
<!ATTLIST srep-established srep-established (yes | no) "yes" >

<!--
As all required additional search fees were timely paid
by the applicant, this ISR covers all searchable claims.
-->
<!ELEMENT srep-fee-1 EMPTY >

<!--
As all searchable claims could be searched without effort
justifying an additional fee, this ISA did not invite
payment of any additional fees.
-->
<!ELEMENT srep-fee-2 EMPTY >

<!--
As only some of the required additional search fees were
timely paid by the applicant, this ISR covers only those
claims for which fees were paid, specifically claim number(s):
-->
<!ELEMENT srep-fee-3 (claim-num+) >

<!--
No required additional search fees were timely paid by
the applicant. Consequently, this ISR is restricted to
the invention first mentioned in the claims; it is
covered by claim number(s):
-->
<!ELEMENT srep-fee-4 (claim-num+) >

<!--
FIELDS SEARCHED (old PCT B. box)
-->
<!ELEMENT srep-fields-searched (minimum-documentation,other-documentation*,
database-searched?) >

<!--
```

#### Abstract Drawing

The figure of the drawings to be published with the abstract is:

Figure No.

followed by text of attribute value:

1 = as suggested by the applicant.

2 = because the applicant failed to suggest a figure.

3 = because this figure better characterizes the invention.

or:

4 = None of the figures is to be published with the abstract

(Old PCT/ISA/210 - 6 a and b)

-->

<!ELEMENT srep-figure-to-publish (figure-to-publish?) >

<!ATTLIST srep-figure-to-publish figinfo (1 | 2 | 3 | 4) #REQUIRED >

<!--

SECTION III OF DTD

The actual search report - start a new page

The Heading is:

&lt;B>INTERNATIONAL SEARCH REPORT (ISR) - PART 2 &lt;/B>

&lt;HR>&lt;/HR>

Repeat int. application number (?)

IPC, FIELDS and DATABASES SEARCHED

CLASSIFICATION OF SUBJECT MATTER

-->

<!ELEMENT srep-for-pub (doc-page+ | (classification-ipc?,classification-national?,  
srep-fields-searched,srep-citations,incomplete-search?,srep-admin?,  
srep-patent-family?)) >

<!--

Stylesheet (for new layout) generates (for PCT) at the beginning:

PATENT COOPERATION TREATY (PCT)

INTERNATIONAL SEARCH REPORT (ISR) - PART 1

(PCT Articles 18 and Rules 43 and 44)

FOR FURTHER ACTION see Notification of Transmittal of ISR  
(Form PCT/ISA/220) as well as, where applicable, abstract  
information below. \*\*This will need modifying depending on  
stytesheet and output required \*\*

SREP - INFO DETAILS

This is a repetition of data found elsewhere but we put it  
here also for convenience, formatting, etc

The order has changed from the paper form.

PCT covers Forms: 201, 210, 220

EPO - covers Form 1507

-->

<!ELEMENT srep-info (doc-page+ | (correspondence-address?,file-reference-id?,  
application-reference+,date-of-earliest-priority?,applicant-name,  
srep-established,srep-protest-fees,srep-request-date?,  
srep-request-number?,srep-prior-art-docs\*,srep-basis,  
srep-claims-info?,srep-unity-of-invention?,srep-invention-title,  
srep-abstract,srep-figure-to-publish,srep-info-admin,srep-other-info?,  
text\*)) >

<!ATTLIST srep-info total-page-count CDATA #IMPLIED >

<!ELEMENT srep-info-admin (authorized-officer?,srep-office?,date-of-mailing?) >

<!ELEMENT srep-information (#PCDATA) >

<!ATTLIST srep-information srep-code CDATA #IMPLIED >

<!--

```
Title
(followed by:
The text is approved as submitted by the applicant -
[attribute "yes" (default)]
or
The text has been established by this ISA to read
as follows:

[a revised title if present - attribute "no"]

(Old PCT/ISA/210 - 4)
-->
<!ELEMENT srep-invention-title (invention-title?) >
<!ATTLIST srep-invention-title title-approval (yes | no) "yes" >

<!--
International Search Authority; international search to be carried out by
-->
<!ELEMENT srep-office (addressbook) >

<!--
This is a place marker since there may be other information added at a later stage
which has not been foreseen.
-->
<!ELEMENT srep-other-info (srep-information+) >

<!--
This is the old 210 (patent family annex)
Patent family information according to WIPO ST.14
For EP SR can be used for Annex to the EP SR.(Form P0459)
-->
<!ELEMENT srep-patent-family (text?,patent-family+) >

<!--
This part preceded by - on old PCT/ISA/210 :
This international search report has been prepared by this ISA
and is transmitted to the applicant according
to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of _____ sheets.
It is also accompanied by a copy of each prior art document cited in this report.
(This text will need modification for electronic transmission of the SR).

If the attribute value is "yes" then the prior art may accompany the SR as paper,
image data, or xml (application-body) data
-->
<!ELEMENT srep-prior-art-docs (doc-page | prior-art-xml-doc)* >
<!ATTLIST srep-prior-art-docs prior-art (yes | no) #REQUIRED >

<!--
With regard to the protest against payment of (an) additional fee(s) under Rule
40.2,
the applicant is notified that:
if yes:
the protest together with the decision thereon has been transmitted to
the International Bureau together with the
applicant s request to forward the texts of both the protest and the
decision thereon to the designated Offices.

if no:
no decision has been made yet on the protest; the applicant will be notified
as soon as a decision is made.
-
Sytlesheet note: this data is followed by Reminders and Notes (if printed)
otherwise
put a link in to the relevant text.
-->
<!ELEMENT srep-protest-fees EMPTY >
```

```
<!ATTLIST srep-protest-fees srep-protest (yes | no) "yes" >

<!--
Date of request for search eg. on PCT Form 201
-->
<!ELEMENT srep-request-date (date) >

<!--
Search request number eg. on PCT Form 201.
-->
<!ELEMENT srep-request-number (#PCDATA) >

<!--
-->
<!ELEMENT srep-search-fees (srep-fee-1?,srep-fee-2?,srep-fee-3?,srep-fee-4?) >

<!--
(Old PCT/ISA/210 - Box No. III)

Observations where unity of invention is lacking

This ISA found multiple inventions in this international
application, as follows:

(use text data
-->
<!ELEMENT srep-unity-of-invention (p*,srep-search-fees,search-fee-protest) >

<!--
PCT
WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY (ISA)
(PCT Rule 43bis.1)
FORM PCT/ISA/237)

(The following data is taken from srep-info area):

- Correspondence address
- Date of mailing (day/month/year)
- Applicant s or agent s file reference
- International application No.
- International filing date (day/month/year)
- Priority date (day/month/year)
- International Patent Classification (IPC) or both national classification and IPC
- Applicant name

(followed by the text:)

FOR FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be
considered to be a written opinion of the
International Preliminary Examining Authority ( IPEA ) except that this does not
apply where the applicant chooses an Authority
other than this one to be the IPEA and the chosen IPEA has notified the
International Bureau under Rule 66.1bis(b) that written
opinions of this International Searching Authority will not be so considered.
If this opinion is, as provided above, considered to be a written opinion of the
IPEA, the applicant is invited to submit to the IPEA
a written reply together, where appropriate, with amendments, before the expiration
of 3 months from the date of mailing of Form
PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever
expires later.
For further options, see Form PCT/ISA/220.
-->
<!ELEMENT srep-written-opinion (doc-page+ | (basis-of-srep-opinion,
priority-opinion?,non-establishment-of-opinion?,unity-of-invention?,
pct-rule43bis-statement,opinion-citations,defect-in-application?,
```



```

        observation-on-application?,text*)) >

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

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

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

<!--
sub/further Linked Indexing Code.
-->
<!ELEMENT sub-linked-indexing-code  (#PCDATA) >

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

<!--
Subordinate responsibility, e.g. editor, translator, etc.
-->
<!ELEMENT subname  (%name_group; | addressbook) >

<!--
book subtitle
-->
<!ELEMENT subtitle  (#PCDATA) >

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

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

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

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

<!--
** TABLE NEEDS CHANGING TO ALLOW OASIS TABLES - IT SHOULD NOT BE EMPTY **
-->
<!ELEMENT table  EMPTY >

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

<!--
identifies the period of time during which the depository must be able to furnish
samples of the biological material.
-->
<!ELEMENT term (#PCDATA) >

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

<!--
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) >

<!--
time; format HHMM
-->
<!ELEMENT time (#PCDATA) >

<!--
1. With regard to the language, this opinion has been established on the basis
of the international application in the language in
which it was filed, unless otherwise indicated under this item.

This opinion has been established on the basis of a translation from the original
language into the following language
_____, which is the language of a translation furnished
for the purposes of international search (under
Rules 12.3 and 23.1(b)).
-->
<!ELEMENT translation-of-appl EMPTY >
<!ATTLIST translation-of-appl lang NMTOKEN #REQUIRED >

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

<!--
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+) >

<!ATTLIST ul id ID #IMPLIED
             list-style (bullet | dash | none) "bullet"
             compact (compact) #IMPLIED >

<!--
(PCT/ISA/237 - Box IV)

Lack of unity of invention-->
<!ELEMENT unity-of-invention (invitation-pay-additional-fees?,
                             not-unity-of-invention?,compliance-unity-invention,
```

```
        opinion-established-regarding) >  
  
<!--  
Unlinked indexing code. ST.32 equivalency = B515/B525  
-->  
<!--ELEMENT unlinked-indexing-code  (#PCDATA) >  
  
<!--  
Universal Resource Locator; e.g. www.wipo.int  
-->  
<!--ELEMENT url  (#PCDATA) >  
  
<!--  
Volume id/number  
-->  
<!--ELEMENT vid  (#PCDATA) >
```

2. IPRP (INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY) Version 1.0

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

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

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

import MathML2 dtd
<!ENTITY % MATHML2 PUBLIC "-//W3C//DTD MathML 2.0//EN" "mathml2.dtd" >
%MATHML2;
-->
<!ENTITY % TITLE "<!ELEMENT title (#PCDATA | b | i | u | sup | sub | smallcaps)*>">

<!--
*****
* iprp-v1.0 2004 12 May 2004
*****
This DTD is based on WIPO PCT IPEA Form 409
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
and
Form PCT/IPEA/416 (January 2004)

NOTIFICATION OF TRANSMITTAL OF
INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)
* see: http://www.wipo.int/pct/en/forms/ipea/index.htm
*****

Notes:

Attributes:
id = unique id
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
iprp-office = WIPO ST.3 code for application
date-produced = YYYYMMDD e.g, 20011230
-->
<!ELEMENT iprp (doc-page+ | (iprp-info,iprp-written-opinion?,iprp-annex*,
    pct-art34*,office-specific-iprp-data*)) >
<!ATTLIST iprp lang CDATA #IMPLIED
    dtd-version CDATA #IMPLIED
    file CDATA #IMPLIED
    status CDATA #IMPLIED
    date-produced CDATA #IMPLIED
    iprp-office CDATA #REQUIRED
    id IDREF #IMPLIED >
```

```
<!--
Abstract number
-->
<!ELEMENT absno (#PCDATA) >

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

<!--
Additional information. ST.32 equivalency = B513
-->
<!ELEMENT additional-info (#PCDATA) >

<!ELEMENT address %address_group; >

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

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

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

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

<!--
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 #IMPLIED >

<!--
Alternate title for serial eg. BMJ = British Medical Journal
-->
<!ELEMENT alttitle (#PCDATA) >

<!--
the claims, Nos. _____
-->
<!ELEMENT amend-claims (text | claim-num+) >

<!--
the description, pages _____
-->
<!ELEMENT amend-description (text | (rel-pages | rel-para)+) >

<!--
the drawings, sheets/figs _____
-->
```

```
<!ELEMENT amend-drawings (text | (rel-pages+ | rel-figures+)+) >

<!--
the sequence listing (specify): _____
-->
<!ELEMENT amend-sequence-listing (text) >

<!--
any table(s) related to sequence listing (specify): _____
-->
<!ELEMENT amend-sequence-listing-table (text) >

<!--
the nucleotide and/or amino acid sequence listing does not comply with the standard
provided for in Annex C of the
Administrative Instructions in that:
-->
<!ELEMENT annex-c (sequence-listing-written-form?,
sequence-listing-computer-readable-form?) >

<!--
(PCT/ISA/237 and PCT/IPEA/408 )
the tables related to the nucleotide and/or amino acid sequence listing, if in
computer readable form only, do not comply with
the technical requirements provided for in Annex C-bis of the Administrative
Instructions.

(PCT/IPEA/409 )the tables related to the nucleotide and/or amino acid sequence
listing do not comply with the technical requirements provided
for in Annex C-bis of the Administrative Instructions in that the computer readable
form:
-->
<!ELEMENT annex-c-bis EMPTY >

<!ELEMENT applicability-not-valid (claim-num*) >

<!ELEMENT applicability-valid (claim-num*) >

<!--
The name of the applicant (without address information).

The name is followed by:

1. This report is the international preliminary examination report, established by
this International Preliminary Examining
Authority under Article 35 and transmitted to the applicant according to Article
36.
-->
<!ELEMENT applicant-name %name_group; >

<!--
application reference information: application number, country and name of
applicant,
filing date etc:

International application No.
International filing date (day/month/year)
-->
<!ELEMENT application-reference (document-id) >
<!ATTLIST application-reference appl-type CDATA #REQUIRED >

<!--
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.  
[XPnnnnnnnnnnnn].

```
[nplcit id="ncit1" num="0012" type="S" file="XP1234456"]
[article]
[author]
[name]DROP, J.G.[/name][/author]
[at1]
Integrated Circuit Personalization at the Module Level
[/at1]
[serial]
[seritle]IBM Tech. Dis. Bull.[/seritle]
[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*,at1?,subname*,(serial | book),absno?,location?,
class*,keyword*,cpyrt?,artid?,refno*)) >
```

```
<!--
Article unique ID - assigned by a publisher to an article
-->
<!ELEMENT artid (#PCDATA) >
```

```
<!--
Assistant Examiner. ST.32 equivalency = B747
-->
<!ELEMENT assistant-examiner (%name_group;,electronic-signature?) >
```

```
<!--
article title
-->
<!ELEMENT at1 (#PCDATA) >
```

```
<!--
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 >
```

```
<!--
Authorized Officer.
-->
```

```
<!ELEMENT authorized-officer (%name_group; ,phone?,fax?,email?,electronic-
signature?) >

<!--
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) >

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

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

<!--
1. With regard to the language, this report is based on the international
application in the language in which it was filed, unless
otherwise indicated under this item.

This report is based on translations from the original language into the following
language _____ ,
which is the language of a translation furnished for the purposes of:

international search (under Rules 12.3 and 23.1(b))

publication of the international application (under Rule 12.4)

international preliminary examination (under Rules 55.2 and/or 55.3)
-->
<!ELEMENT basis-language-for-examination EMPTY >
<!ATTLIST basis-language-for-examination lang CDATA #IMPLIED
examin-lang (originally-filed |
publication |
translation-isa |
translation-iprp)
"originally-filed" >

<!--
(PCT/IPEA/408 - Box No. I Basis of the opinion)

Basis of this opinion
-->
<!ELEMENT basis-of-iprp-opinion (basis-language-for-examination,
iprp-basis-application?,iprp-basis-description*,iprp-basis-claims*,
iprp-basis-drawings*,sequence-list-basis*,cancellation-doc?,
pct-rule70-2c?) >

<!--
biological accession number: the identification assigned to the biological material
by the depository
-->
<!ELEMENT bio-accno (#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?) >
```



```

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

<!--
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*))) >

<!--
the title of the cited book
-->
<!ELEMENT book-title (#PCDATA) >

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

<!--
br - break, line break within a paragraph
-->
<!ELEMENT br EMPTY >

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

<!--
The amendments have resulted in the cancellation of:
-->
<!ELEMENT cancellation-doc (amend-description?,amend-claims?,amend-drawings?,
amend-sequence-listing?,amend-sequence-listing-table?) >

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

<!--

```

```
(PCT/ISA/237 )
1. Certain published documents (Rules 43bis.1 and 70.10)

(PCT/IPEA/409 and PCT/IPEA/408 )
1. Certain published documents (Rule 70.10)
-->
<!ELEMENT certain-published-documents ((citation+,filing-date,priority-date?) |
    text) >

<!--
chapter, e.g., in a book. Example: Chapter 2
-->
<!ELEMENT chapter (#PCDATA) >

<!ELEMENT chem EMPTY >
<!ATTLIST chem id ID #IMPLIED
               file CDATA #REQUIRED
               lang CDATA #IMPLIED
               status CDATA #IMPLIED
               dtd-version 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 | (chem,img?)) >
<!ATTLIST chemistry id ID #IMPLIED
                   num CDATA #REQUIRED >

<!--
srep-phase:
The phase in which the citation was made, eg.
international
national
by applicant
-->
<!ELEMENT citation ((patcit | nplcit),corresponding-docs*,rel-passage*,category*,
    rel-claims*) >
<!ATTLIST citation srep-phase CDATA #IMPLIED >

<!--
Citations and explanations:
-->
<!ELEMENT citations-explanations ((citation+,filing-date,priority-date?) | text) >

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

<!--
This opinion has been established as if no priority had been
claimed due to the fact that the priority claim has been found
invalid (Rules 43bis.1 and 64.1).

Thus for the purposes of this opinion, the international filing date
indicated above is considered to be the relevant date.
-->
<!ELEMENT claim-invalid EMPTY >

<!--
Claim numbers
-->
<!ELEMENT claim-num (#PCDATA) >

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

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

<!--
International Patent Classification (IPC) data. INID 51. ST.32 equivalency = B510
-->
<!ELEMENT classification-ipc (edition,main-classification,
    further-classification*,(additional-info | linked-indexing-code-group |
    unlinked-indexing-code)*,text?) >

<!--
Domestic or national classification. INID 52. ST.32 equivalency = B520
-->
<!ELEMENT classification-national (country,edition?,main-classification,
    further-classification*,(additional-info |
    linked-indexing-code-group | unlinked-indexing-code)*,text?) >

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

<!--
cited document column, first
-->
<!ELEMENT colf (#PCDATA) >

<!--
cited document column, last
-->
<!ELEMENT coll (#PCDATA) >

<!--
cited document column numbers
-->
<!ELEMENT column (#PCDATA | colf | coll)* >

<!--
-->
<!ELEMENT completion-date (date) >

<!--
This Authority considers that the requirement of unity of invention
in accordance with Rule 13.1, 13.2 and 13.3 is

complied with
not complied with for the following reasons:
-->
<!ELEMENT compliance-unity-invention (p*) >
<!ATTLIST compliance-unity-invention unity-complied (yes | no) #REQUIRED >

<!--
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 [CONFERENCE] and no sub tags
-->
<!ELEMENT conference (text | (conftitle,date?,confno?,confplace?,confsponsor*)) >

<!--
Conference number
-->
<!ELEMENT confno (#PCDATA) >

<!--
Conference place
```

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

<!--
Conference sponsor
-->
<!ELEMENT confsponsor  (#PCDATA | addressbook)* >

<!--Conference title
-->
<!ELEMENT conftitle  (#PCDATA) >

<!--
Form PCT/IPEA/416 (January 2004)

NOTIFICATION OF TRANSMITTAL OF
INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)
-->
<!ELEMENT correspondence-address  (customer-number | addressbook+) >

<!--
& docs. : Patent family and corresponding-docs
-->
<!ELEMENT corresponding-docs  (document-id | nplcit)* >

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

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

<!--
copyright info. Copyright of publisher of serial
-->
<!ELEMENT cpyrt  (#PCDATA) >

<!--
Cross reference to any other element with an identifier (id)
-->
<!ELEMENT crossref  (#PCDATA | b | i | u | sup | sub | smallcaps)* >
<!ATTLIST crossref  idref  CDATA  #REQUIRED  >

<!ELEMENT customer-number  (#PCDATA) >

<!--
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) >

<!--
date of mailing:
-->
```

```
<!ELEMENT date-of-mailing (date) >

<!--
Date of written disclosure
referring to non-written disclosure
(day/month/year)
-->
<!ELEMENT date-of-written-disclosure (date) >

<!--
date cited - date on which the citation was cited.
May be different from srchdate below
-->
<!ELEMENT datecit (date) >

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

<!--
Certain defects in the international application (Section Vii)
The following defects in the form or contents of the international application
have been noted:
-->
<!ELEMENT defect-in-application (p+) >

<!--
Date of submission of the demand, format YYYYMMDD
-->
<!ELEMENT demand-submission-date (date) >

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

<!--
information regarding the facility storing the biological deposit
-->
<!ELEMENT depositary (#PCDATA | address)* >

<!--
Physical description - generally NOT used in citations in pats.
eg. v., 27cm
-->
<!ELEMENT descrip (#PCDATA) >

<!--
definition list Recommended id = dlis01, dlis02, etc.
-->
<!ELEMENT dl (dt,dd)+ >
<!ATTLIST dl tsize NMTOKEN #IMPLIED
compact (compact) #IMPLIED
id ID #IMPLIED >

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

<!--

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 >

<!--

term to be defined Recommended id = dtrm01, dtrm02, etc.

-->

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

<!ATTLIST dt id ID #IMPLIED >

<!--

Descriptive text

-->

<!ELEMENT dtext (#PCDATA) >

<!--

electronic address use for other than email

-->

<!ELEMENT ead (#PCDATA) >

<!--

This report has been established as if no priority had been claimed due to the failure

to furnish within the prescribed time limit the requested:

1 = copy of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(a)).

2 = translation of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(b)).

-->

<!ELEMENT earlier-appl EMPTY >

<!ATTLIST earlier-appl prio-code (1 | 2) #REQUIRED >

<!--

end date used in pubdate

-->

<!ELEMENT edate (#PCDATA) >

<!ELEMENT edition (#PCDATA) >

<!--

a signature represented by electronic means

-->

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

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

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

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

<!--
the entire international application.
-->
<!ELEMENT entire-application    EMPTY >

<!--
Persons acting on the document. ST.32 equivalency = B745
-->
<!ELEMENT examiners    (primary-examiner?,assistant-examiner?,authorized-officer?) >

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

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

<!--
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)* >
<!ATTLIST figref    idref    IDREFS    #IMPLIED
                    num      CDATA    #IMPLIED >

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

<!ELEMENT filing-date    (date) >

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

<!--
further/secondary classification
ST.32 equivalency = B512/B522
-->
<!ELEMENT further-classification    (#PCDATA) >

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

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

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

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

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

<!--
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"
- milimeters - 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.
-->
<!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 |
                  chem | table | math | software-code | flowchart)
                  "drawing"
      img-format (jpg | tif | st33 | st35) #REQUIRED
      orientation (portrait | landscape) "portrait"
      inline (yes | no) "no" >

<!--
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*)) >

<!--
issue number
-->
<!ELEMENT ino  (#PCDATA) >

<!--
The questions whether the claimed invention appears to be novel,
to involve an inventive step (to be non obvious), or to be
industrially applicable have not been examined in respect of:
-->
<!ELEMENT invention-not-examined  ((entire-application | claim-num+),
      non-estab-reason-1?,non-estab-reason-2?,non-estab-reason-3?,
      non-estab-reason-4?) >

<!ELEMENT inventive-step-not-valid  (claim-num*) >

<!ELEMENT inventive-step-valid  (claim-num*) >

<!--
In response to the invitation (Form PCT/ISA/206) to pay additional fees
the applicant has:
```



Attribute values:

(PCT/ISA/237 )

1 = paid additional fees  
2 = paid additional fees under protest  
3 = not paid additional fees  
4 = not used

(PCT/IPEA/409 and PCT/IPEA/408 )

1 = restricted the claims  
2 = paid additional fees  
3 = paid additional fees under protest  
4 = neither restricted nor paid additional fees

-->

<!ELEMENT invitation-pay-additional-fees EMPTY >

<!ATTLIST invitation-pay-additional-fees unity-fee-code (1 | 2 | 3 | 4) #REQUIRED>

<!--

Version number of the IPC

-->

<!ELEMENT ipc-version (#PCDATA) >

<!--

iprp administration data group

-->

<!ELEMENT iprp-admin (examiners?,iprp-office?,completion-date,  
demand-submission-date?,date-of-mailing?) >

<!--

Body of the annex to the International Preliminary Examination Report

-->

<!ELEMENT iprp-annex (doc-page | iprp-annex-doc)+ >

<!ELEMENT iprp-annex-doc EMPTY >

<!ATTLIST iprp-annex-doc file CDATA #REQUIRED  
lang CDATA #IMPLIED  
status CDATA #IMPLIED  
carriers (internal-electronic |  
external-electronic |  
paper) #IMPLIED  
file-type (xml | pdf | txt | tif | zip | jpg) #REQUIRED >

<!--

a total of (indicate type and number of electronic carrier(s))

\_\_\_\_\_,  
containing a sequence listing and/or tables related thereto, in computer readable  
form only, as indicated in the  
Supplemental Box Relating to Sequence Listing (see Section 802 of the  
Administrative Instructions).

-->

<!ELEMENT iprp-annexes-electronic-carrier EMPTY >

<!ATTLIST iprp-annexes-electronic-carrier quantity CDATA #IMPLIED >

<!--

3. This report is also accompanied by ANNEXES, comprising:

a. a total of \_\_\_\_\_ sheets, as follows:

-->

<!ELEMENT iprp-annexes-sheet (iprp-beyond-disclosure?,  
iprp-rectifications-authorized?) >

<!ATTLIST iprp-annexes-sheet page-count CDATA #IMPLIED >

<!--

(PCT/IPEA/409)

Box No. I Basis of the report

-->

<!ELEMENT iprp-basis ((iprp-basis-application?,iprp-basis-description\*,  
iprp-basis-claims\*,iprp-basis-drawings\*,sequence-list-basis\*),

```
basis-language-for-examination,cancellation-doc?,pct-rule70-2c?) >

<!--
2. With regard to the elements of the international application, this report is
based on (replacement sheets which have been
furnished to the receiving Office in response to an invitation under Article 14 are
referred to in this report as originally filed h
and are not annexed to this report):

the international application as originally filed/furnished
-->
<!ELEMENT iprp-basis-application EMPTY >

<!--
the claims:
pages _____ as
originally filed/furnished
pages* _____ as amended (together with any
statement) under Article 19
pages* _____ received by this Authority on
_____
pages* _____ received by this Authority on
_____
-->
<!ELEMENT iprp-basis-claims (text | claim-num+) >
<!ATTLIST iprp-basis-claims basis (originally-filed |
                                under-art19 |
                                with-demand |
                                with-letter) #REQUIRED
                                date-letter-received CDATA #IMPLIED >

<!--
the description:
pages _____ as
originally filed/furnished
pages* _____ received by this Authority on
_____
pages* _____ received by this Authority on
_____
-->
<!ELEMENT iprp-basis-description (text | (rel-pages | rel-para)+) >
<!ATTLIST iprp-basis-description basis (originally-filed |
                                with-demand |
                                with-letter) #REQUIRED
                                date-letter-received CDATA #IMPLIED >

<!--
the drawings:
pages _____ as
originally filed/furnished
pages* _____ received by this Authority on
_____
pages* _____ received by this Authority on
_____
-->
<!ELEMENT iprp-basis-drawings (text | (rel-pages+ | rel-figures+)+) >
<!ATTLIST iprp-basis-drawings basis (originally-filed |
                                with-demand |
                                with-letter) #REQUIRED
                                date-letter-received CDATA #IMPLIED >

<!--
sheets of the description, claims and/or drawings which have been amended
and are the basis of this report and/or sheets containing rectifications
authorized by this Authority (see Rule 70.16 and Section 607 of the
Administrative Instructions).
-->
<!ELEMENT iprp-beyond-disclosure EMPTY >
```

```
<!--
(PCT/IPEA/409)
Certain documents cited (Section VI)
-->
<!ELEMENT iprp-citations (certain-published-documents | non-written-disclosures |
text)* >

<!--
Form PCT/IPEA/409

IPRP identification information group element
-->
<!ELEMENT iprp-info (correspondence-address?,file-reference-id?,
application-reference+,date-of-earliest-priority?,classification-ipc?,
classification-national?,applicant-name,iprp-sheet-of-annexes,
iprp-admin?,iprp-basis,iprp-priority?,non-establishment-of-opinion?,
iprp-unity-of-invention,pct-art35-2-statement,iprp-citations?,
defect-in-application?,observation-on-application?,text*) >

<!--
total pages of the iprp
-->
<!ATTLIST iprp-info total-page-count CDATA #IMPLIED >

<!--
International Preliminary Examination Authority; international preliminary
examination
to be carried out by
-->
<!ELEMENT iprp-office (addressbook) >

<!--
(PCT/IPEA/409)
Box No. II Priority
-->
<!ELEMENT iprp-priority (earlier-appl?,claim-invalid?,additional-info?) >

<!--
sheets which supersede earlier sheets, but which this Authority considers contain
an amendment that goes
beyond the disclosure in the international application as filed, as indicated in
item 4 of Box No. I and the
Supplemental Box.
-->
<!ELEMENT iprp-rectifications-authorized EMPTY >

<!--
This report is also accompanied by ANNEXES, comprising a total of _____
sheets, as follows.
-->
<!ELEMENT iprp-sheet-of-annexes (iprp-annexes-sheet?,
iprp-annexes-electronic-carrier?) >
<!ATTLIST iprp-sheet-of-annexes page-count CDATA #IMPLIED >

<!--
(PCT/IPEA/409)
Box No. IV Lack of unity of invention
-->
<!ELEMENT iprp-unity-of-invention (invitation-pay-additional-fees?,
not-unity-of-invention?,compliance-unity-invention,
subject-examination) >

<!--
PCT
WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY (ISA)
(PCT Rule 43bis.1)
```

DRAFT FORM PCT/ISA/237)

(The following data is taken from srep-info area):

- Correspondence address
- Date of mailing (day/month/year)
- Applicant s or agent s file reference
- International application No.
- International filing date (day/month/year)
- Priority date (day/month/year)
- International Patent Classification (IPC) or both national classification and IPC
- Applicant name

(followed by the text:)

FOR FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will, except in certain cases where this Authority does not also act as International Preliminary Examining Authority, be considered to be a written opinion of the International Preliminary Examining Authority. In this case, the applicant is invited to submit to the International Preliminary Examining Authority a written reply together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

-->

<!ELEMENT iprp-written-opinion (doc-page+ | (basis-of-iprp-opinion, priority-opinion?, non-establishment-of-opinion?, unity-of-invention?, pct-rule66-2-statement, opinion-citations, defect-in-application?, observation-on-application?, text\*)) >

<!ATTLIST iprp-written-opinion	consideration-srep-opinion	(yes   no)	#REQUIRED
	final-date	CDATA	#REQUIRED
	number-of-times	CDATA	#REQUIRED >

<!--

International standard book number

-->

<!ELEMENT isbn (#PCDATA) >

<!--

International standard serial number

-->

<!ELEMENT issn (#PCDATA) >

<!--

issue designation; e.g.: Annual, 1971-, 1890-1972

-->

<!ELEMENT issue (#PCDATA) >

<!--

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

-->

<!ELEMENT keyword (#PCDATA) >

<!--

document kind code; e.g. A1

-->

<!ELEMENT kind (#PCDATA) >

<!--

Kind of non-written disclosure-->

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

<!--

last, family, surname

-->

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

<!--
list item Recommended id = list01, list02, etc.
-->
<!ELEMENT li (#PCDATA | b | i | u | sup | sub | smallcaps | br | patcit | nplcit |
    bio-deposit | crossref | figref | img | dl | ul | ol | chemistry |
    maths)* >
<!ATTLIST li id ID #IMPLIED
    num CDATA #IMPLIED >

<!--
referenced line within cited work
-->
<!ELEMENT line (#PCDATA | linef | line1)* >

<!--
cited document line, first
-->
<!ELEMENT linef (#PCDATA) >

<!--
cited document line, last
-->
<!ELEMENT line1 (#PCDATA) >

<!--
Linked indexing code. ST.32 equivalency = B514/B524
-->
<!ELEMENT linked-indexing-code-group (main-linked-indexing-code,
    sub-linked-indexing-code+) >

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

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

<!--
main classification. ST.32 equivalency = B511/B521
-->
<!ELEMENT main-classification (#PCDATA) >

<!--
Main Linked Indexing Code.
-->
<!ELEMENT main-linked-indexing-code (#PCDATA) >

<!--
(PCT/ISA/210 Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of
item1.b of the first sheet))
1.With regard to any nucleotide and/or amino acid sequence disclosed in the
international application and necessary to the claimed
invention, the international search was carried out on the basis of:

(PCT/ISA/237 Box No. I Basis of this opinion)
2. With regard to any nucleotide and/or amino acid sequence disclosed in the
international application and necessary to the
claimed invention, this opinion has been established on the basis of:

(PCT/IPEA/409 Supplemental Box Relating to Sequence Listing)
1. With regard to any nucleotide and/or amino acid sequence disclosed in the
international application and necessary to the claimed
invention, this report was established on the basis of:
```

```
(PCT/IPEA/408 Supplemental Box Relating to Sequence Listing)
1. With regard to any nucleotide and/or amino acid sequence disclosed in the
international application and necessary to the claimed
invention, this opinion was established on the basis of:
-->
<!ELEMENT material-of-sequence-list (sequence-listing-material-type,
sequence-listing-material-format,sequence-listing-filing-time) >

<!--
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 >

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

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

<!--
monographic series number
-->
<!ELEMENT msn (#PCDATA) >

<!--
monographic series title
-->
<!ELEMENT mst (#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 >

<!--
the said international application, or the said claims Nos. "rel-claims"
relate to the following subject matter which does not require an international
preliminary examination
-->
<!ELEMENT non-estab-reason-1 (claim-num*,p+) >

<!--
the description, claims or drawings (indicate particular elements below) or said
Claim Nos. _____ are so unclear that no meaningful opinion could be formed
(specific).
-->
<!ELEMENT non-estab-reason-2 (claim-num*,p+) >

<!--
the claims, or said claims Nos. (claim nos) are so inadequately supported
by the description that no meaningful opinion could be formed.
-->
<!ELEMENT non-estab-reason-3 (claim-num*,p+) >

<!--
```

```
no international search report has been established for said claims Nos.(rel-
claims)
-->
<!ELEMENT non-estab-reason-4 (claim-num+) >

<!--
(PCT/IPEA/409)
Box No. III Non-establishment of opinion with regard to novelty, inventive step and
industrial applicability
-->
<!ELEMENT non-establishment-of-opinion (invention-not-examined,
not-annex-c-compliant) >

<!--
(PCT/ISA/237 )
2. Non-written disclosures (Rules 43bis.1 and 70.9)

(PCT/IPEA/409 and PCT/IPEA/408 )
2. Non-written disclosures (Rule 70.9)
-->
<!ELEMENT non-written-disclosures (kind-of-disclosure,date,
date-of-written-disclosure) >

<!ELEMENT not-annex-c-compliant (annex-c?,annex-c-bis?,additional-info?) >

<!--
(PCT/ISA/237 )
This Authority found that the requirement of unity of invention is not complied
with and chose not to invite the applicant to
pay additional fees.

(PCT/IPEA/409 )
This Authority found that the requirement of unity of invention is not complied
with and chose, according to Rule 68.1, not
to invite the applicant to restrict or pay additional fees.
-->
<!ELEMENT not-unity-of-invention EMPTY >

<!ELEMENT not-unity-of-invention-iprp-opinion (p*) >

<!--
notes about the journal; e.g. Continues Journal of XYZ 1910-1998,
published in French and English, etc.
-->
<!ELEMENT notes (#PCDATA) >

<!ELEMENT novelty-not-valid (claim-num*) >

<!ELEMENT novelty-valid (claim-num*) >

<!--
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)*) >
<!ATTLIST nplcit id ID #IMPLIED
num CDATA #REQUIRED
npl-type CDATA #IMPLIED
medium CDATA #IMPLIED
file CDATA #IMPLIED
url CDATA #IMPLIED >

<!--
Certain observations on the international application (Section VIII)
The following observations on the clarity of the claims, description, and
drawings or on the question whether the claims are fully supported by the
description, are made:
-->
<!ELEMENT observation-on-application (p+) >

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

<!--
ordered lists: for now the default will be recommended style first level - 1. 2. 3.
etc.
For lists within lists - second level - a. b. c. third level - i. ii. iii.; These
are
stylesheet issues but are recommended for consistency. Recommended id = olis01,
olis02, etc.
-->
<!ELEMENT ol (li+) >
<!ATTLIST ol id ID #IMPLIED
compact (compact) #IMPLIED
ol-style CDATA #IMPLIED >

<!--
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*)) >

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

<!--
(PCT/IPEA/408 - Box No. VI Certain documents cited)
-->
<!ELEMENT opinion-citations (certain-published-documents |
non-written-disclosures | text)* >

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

<!--
other citations - free form
-->
<!ELEMENT othercit (#PCDATA) >

<!--
paragraph
Recommended id = p01, p02, etc.
num = 001, 002, etc.
-->
<!ELEMENT p (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | dl | ul |
ol | crossref | figref | patcit | nplcit | bio-deposit | img |
chemistry | maths | tables | table-external)* >
<!ATTLIST p id ID #IMPLIED
num CDATA #REQUIRED >

<!--
referenced paragraph within cited work
-->
<!ELEMENT para (#PCDATA | paraf | paral)* >

<!--
cited paragraph, first
-->
<!ELEMENT paraf (#PCDATA) >

<!--
cited paragraph, last
-->
<!ELEMENT paral (#PCDATA) >

<!--
passage within the cited patent literature
-->
```

```
<!ELEMENT passage (#PCDATA) >

<!--
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 >

<!--
PCT Article 34 Amendment document
-->
<!ELEMENT pct-art34 (doc-page | pct-art34-doc)+ >

<!ELEMENT pct-art34-doc EMPTY >
<!ATTLIST pct-art34-doc file CDATA #REQUIRED
                       lang CDATA #IMPLIED
                       status CDATA #IMPLIED
                       carriers (internal-electronic |
                               external-electronic |
                               paper) #IMPLIED
                       file-type (xml | pdf | txt | tif | zip | jpg) #REQUIRED >

<!--
(PCT/IPEA/409)
Reasoned statement under Article 35(2) with regard to novelty, inventive step
or industrial applicability; citations and explanations supporting such statement
(Section V)
-->
<!ELEMENT pct-art35-2-statement (novelty-valid,novelty-not-valid,
                                inventive-step-valid, inventive-step-not-valid, applicability-valid,
                                applicability-not-valid, citations-explanations?) >

<!--
(PCT/IPEA/408 - Box No. V Reasoned statement under Rule 66.2(a)(ii) with regard to
novelty, inventive step or industrial applicability;
```

```
citations and explanations supporting such statement)
-->
<!ELEMENT pct-rule66-2-statement (novelty-valid,novelty-not-valid,
    inventive-step-valid,inventive-step-not-valid,applicability-valid,
    applicability-not-valid,citations-explanations?) >

<!--
4. This report has been established as if (some of) the amendments annexed to this
report and listed below had not been
made, since they have been considered to go beyond the disclosure as filed, as
indicated in the Supplemental Box
(Rule 70.2(c)).
-->
<!ELEMENT pct-rule70-2c (amend-description?,amend-claims?,amend-drawings?,
    amend-sequence-listing?,amend-sequence-listing-table?) >

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

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

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

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

<!--
cited document page numbers
-->
<!ELEMENT pp (#PCDATA | ppf | ppl)* >

<!--
cited document page , first
-->
<!ELEMENT ppf (#PCDATA) >

<!--
cited document page, last
-->
<!ELEMENT ppl (#PCDATA) >

<!ELEMENT pre (#PCDATA) >
<!ATTLIST pre id ID #IMPLIED
    xml:space (preserve | default) #FIXED "preserve"
    listing-type (sequence | software-code | other) #REQUIRED >

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

<!--
(PCT/ISA/210 and PCT/ISA/237 )
In addition, in the case that more than one version or copy of a sequence listing
and/or table relating thereto has been filed
or furnished, the required statements that the information in the subsequent or
additional copies is identical to that in the
```

application as filed or does not go beyond the application as filed, as appropriate, were furnished.

(PCT/IPEA/409 and PCT/IPEA/408 )

In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

-->

<!ELEMENT presentation-of-statements EMPTY >

<!--

Primary Examiner. ST.32 equivalency = B746

-->

<!ELEMENT primary-examiner (%name\_group;,electronic-signature?) >

<!--

Rule 70.10: Any published application ... shall be accompanied by ... its claimed priority date (if any). In respect of the priority date of any such document, the report may indicate that, in the opinion of the International Preliminary Examining Authority, such date has not been validly claimed.

-->

<!ELEMENT priority-date (#PCDATA) >

<!ATTLIST priority-date priority-valid (yes | no) "yes" >

<!--

(PCT/IPEA/408 - Box No. II Priority)

-->

<!ELEMENT priority-opinion (earlier-appl?,claim-invalid?,additional-info?) >

<!ATTLIST priority-opinion varid CDATA #IMPLIED >

<!--

publication date used in npl citations

-->

<!ELEMENT pubdate (#PCDATA | sdate | edate | time)\* >

<!--

Publisher's unique id

-->

<!ELEMENT pubid (#PCDATA) >

<!--

date article was received

-->

<!ELEMENT received (date) >

<!--

Reference number (general); for the EPO this is the XP number

-->

<!ELEMENT refno (#PCDATA) >

<!ATTLIST refno id ID #IMPLIED >

<!--

registered number

-->

<!ELEMENT registered-number (#PCDATA) >

<!--

Claims to which cited document is relevant.

ST.32 equivalent = B564-->

<!ELEMENT rel-claims (#PCDATA) >

<!--Referenced figure number

-->

```
<!ELEMENT rel-figures (#PCDATA) >

<!--
Referenced pages
-->
<!ELEMENT rel-pages (#PCDATA) >

<!--
Referenced paragraph
-->
<!ELEMENT rel-para (#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*)) >

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

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

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

<!--
start date used in pubdate
-->
<!ELEMENT sdate (#PCDATA) >

<!--
a sequence listing and/or any related table(s) - see Supplemental Box Relating to
Sequence Listing.
-->
<!ELEMENT sequence-list-basis (material-of-sequence-list,
presentation-of-statements?,additional-info?) >

<!--
the computer readable form
-->
<!ELEMENT sequence-listing-computer-readable-form EMPTY >
<!ATTLIST sequence-listing-computer-readable-form not-compliant (not-furnished |
not-standard)
#REQUIRED >

<!--
c. time of filing/furnishing
-->
<!ELEMENT sequence-listing-filing-time (#PCDATA) >
<!ATTLIST sequence-listing-filing-time time-of-filing (in-application |
in-computer-readable-form |
furnished |
received-by-this-authority)
#IMPLIED >

<!--
b. format of material
-->
<!ELEMENT sequence-listing-material-format EMPTY >
<!ATTLIST sequence-listing-material-format material-format (written-format |
```

```
computer-readable-form)
#IMPLIED >

<!--
a. type of material
-->
<!ELEMENT sequence-listing-material-type EMPTY >
<!ATTLIST sequence-listing-material-type material-type (sequence-listing |
table) #IMPLIED >

<!--
the written form
-->
<!ELEMENT sequence-listing-written-form EMPTY >
<!ATTLIST sequence-listing-written-form not-compliant (not-furnished |
not-standard) #REQUIRED >

<!--
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?) >

<!--
series statement
-->
<!ELEMENT series (text | (mst,msn?,issn?)) >

<!--
part within a serial
-->
<!ELEMENT serpart (#PCDATA) >

<!--
serial section
-->
<!ELEMENT sersect (#PCDATA) >

<!--
serial title
-->
<!ELEMENT sertitle (#PCDATA) >

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

<!--Date of search/retrieval YYYYMMDD
-->
<!ELEMENT srchdate (date) >

<!--
Search terms
-->
<!ELEMENT srchterm (#PCDATA) >

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

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

```

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

<!--
sub/further Linked Indexing Code.
-->
<!ELEMENT sub-linked-indexing-code  (#PCDATA) >

<!--
Consequently, the following parts of the international application were the
subject of international preliminary examination in establishing this report:

all parts
the parts relating to claims Nos.
-->
<!ELEMENT subject-examination  (entire-application | (claim-num+ | p*)) >

<!--
Subordinate responsibility, e.g. editor, translator, etc.
-->
<!ELEMENT subname  (%name_group; | addressbook) >

<!--
book subtitle
-->
<!ELEMENT subtitle  (#PCDATA) >

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

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

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

<!ELEMENT table-external  EMPTY >
<!ATTLIST table-external  id          ID          #IMPLIED
                           file        CDATA      #REQUIRED
                           lang        CDATA      #IMPLIED
                           status      CDATA      #IMPLIED
                           carriers    (internal-electronic |
                                       external-electronic |
                                       paper) #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) >
<!ATTLIST tables  id      ID          #IMPLIED
                  num     CDATA      #REQUIRED >

<!--
identifies the period of time during which the depository must be able to furnish
samples of the biological material.
-->
<!ELEMENT term  (#PCDATA) >

<!--

```



```
if no structure is possible, enter text (without markup)
Does this include non-written disclosures? LSG
-->
<!ELEMENT text (#PCDATA) >

<!--
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) >

<!--
time; format HHMM
-->
<!ELEMENT time (#PCDATA) >

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

<!--
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+) >
<!ATTLIST ul id ID #IMPLIED
              list-style (bullet | dash | none) "bullet"
              compact (compact) #IMPLIED >

<!--
(PCT/IPEA/408 - Box No. IV Lack of unity of invention)
-->
<!ELEMENT unity-of-invention (invitation-pay-additional-fees?,
                             not-unity-of-invention-iprp-opinion?,subject-examination) >
<!ATTLIST unity-of-invention compliance-unity-of-invention (yes | no) #REQUIRED >

<!--
Unlinked indexing code. ST.32 equivalency = B515/B525
-->
<!ELEMENT unlinked-indexing-code (#PCDATA) >

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

<!--
Volume id/number
-->
<!ELEMENT vid (#PCDATA) >
```

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