# WIPO OMPI

**PROCHAINE ACTION:** 

Entrée en vigueur



#### **PCT/EF/PFC 09/001**

**STATUS AT:** April 24, 2009 **SITUATION AU:** 24 avril 2009

01.07.2009

**POUR LE:** 

# 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

SUBJECT: SUJET:	list)		PROPOSED BY: PROPOSÉE PAR :	IB
HANDLING: TRAITEMEN	1	PROPOSED DATE OF ENT DATE PROPOSÉE D'ENTE		01.07.2009
ANNEX/ ANNEXE	CONTENT/O	CONTENU	ORIGIN/ ORIGINE	DATE
1	Updates to package-data DTD, request DTD and Fees DTD adding additional sequence listing functionality		IB	20.01.2008
2	Comments by the International Bureau		IB	10.03.2009
3	Comments by the Korean patent Office		KR	19.03.2009
4	Comments by the European Patent Office		EP	27.03.2009
5	Comments by the Intellectual Property Office of New Zealand		NZ	30.03.2009
6	Comments by the Swiss Patent	Office	СН	31.03.2009
7	Comments by the Japan Patent Office		JP	31.03.2009
8	Comments by the Russian Patents and Trademark Office		RU	31.03.2009
9	Comments by the Russian Patents and Trademark Office		RU	02.04.2009
10	Comments by the European Patent Office		EP	08.04.2009
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11 Comments by the International Bureau IB
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[Annex follows/ L'annexe suit]

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### ANNEX I/ANNEXE I

## UPDATES TO DTD RELATING TO SEQUENCE LISTINGS AND TABLES

1_1\	Change			
1-1)   package-data	Change: </td			
package-data	SEOUENCE LISTING			
	According to WIPO ST.25: STANDARD FOR THE PRESENTATION OF			
	NUCLEOTIDE AND			
	AMINO ACID SEQUENCE LISTINGS IN PATENT APPLICATIONS:			
	see http://www.wipo.int/scit/en/index.html			
	"The sequence listing as defined in paragraph 2(i) shall, where			
	it is filed			
	together with the application, be placed at the end of the application.  This part shall be entitled Sequence Listing, begin on a new page and			
	preferably have independent page numbering. The sequence			
	listing forms an integral part of the description; it is therefore unnecessary,			
	subject to paragraph 36, to describe the sequences elsewhere in the			
	description."			
	Therefore we create here a separate sub-document for sequence			
	listings,			
	it should follow any drawings or the claims.			
	It should follow the format of ST.25 and be an external file			
	>			
	ELEMENT sequence-list EMPTY			
	ATTLIST sequence-list id</th			
	file CDATA #REQUIRED			
	lang CDATA #IMPLIED			
	carriers (internal-			
	electronic			
	external-electronic			
	paper ) #IMPLIED			
	seq-file-type CDATA #FIXED 'ST.25'			
	status CDATA #IMPLIED >			
	To:			
	</td			
	SEQUENCE LISTING			
	According to WIPO ST.25: STANDARD FOR THE PRESENTATION OF			
	NUCLEOTIDE AND			
	AMINO ACID SEQUENCE LISTINGS IN PATENT APPLICATIONS:			
	see http://www.wipo.int/scit/en/index.html			
	"The sequence listing as defined in paragraph 2(i) shall, where			
	it is filed			
	together with the application, be placed at the end of the description part of the application.			
	This part shall be entitled Sequence Listing, begin on a new			
	page and			
	preferably have independent page numbering. The sequence			
	listing forms an			
	integral part of the description; it is therefore unnecessary,			
	subject to			
	paragraph 36, to describe the sequences elsewhere in the			
	description."			
Therefore we create here a separate sub-document for sequences				
	listings, it should follow any drawings or the claims. It should follow the format of <b>Annex C</b> /ST.25 and be an external			
	To should follow the foliat of Aimex C/S1.25 and be all excelled			

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	E.T.		
	file		
	>		
	ELEMENT sequence-list EMPTY		
	ATTLIST sequence-list id ID #IMPLIED</th		
	file CDATA #REQUIRED		
	lang CDATA #IMPLIED		
	carriers (internal-		
	electronic		
	external-electronic		
	paper ) #IMPLIED		
	seq-file-type CDATA #REQUIRED 'ST.25'		
	or 'ST.25 TEXT'		
	status CDATA #IMPLIED		
	<pre>part-of-application (yes   no ) #IMPLIED &gt;</pre>		
Items impacted	ST.36 element sequence-list, package-data.dtd		
	Total comment to facility from the facility of		
Reason	There are two changes in the element		
Reason	There are two changes in the crement		
	a) update to attribute seg-file-type to permit the		
	differentiation at the file level as to whether the sequence		
	listing is in a ST.25 text format that is processible by		
	applications including PatentIn or in another no-processible		
	format		
	and,		
	b) add an attribute to indicate, again at the file level,		
	whether the specific sequence listing file referenced by		
	each instance of the sequence-list element forms part of the		
	application (yes) , or is furnished for other purposes (no).		

1-2)	Change:
request	Checklist; a sequence listing is being furnished quantity - the number of sequence listing files furnished (not including copies)</td
	> ELEMENT cl-sequence-listing EMPTY
	<pre><!--ATTLIST cl-sequence-listing quantity CDATA #REQUIRED</td--></pre>
	<pre>page-count CDATA #IMPLIED</pre>
	To: Checklist; a sequence listing or sequence listings is/are being furnished</td
	> ELEMENT cl-sequence-listing EMPTY

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	<pre><!--ATTLIST cl-sequence-listing quantity CDATA #REQUIRED</th--></pre>
Items impacted	ST.36 element cl-sequence-list, request.dtd
Reason	This element from July 1, 2009 needs to support 4 cases none of which are available for PAPER filings:
	a) ST.25 IMAGE FORMAT FILE ONLY (E-FILE) b) ST.25 TEXT FORMAT FILE ONLY (E-FILE) c) BOTH ST.25 IMAGE AND TEXT FORMATS (E-FILE) d) ST.25 TEXT FORMAT ONLY NOT AS PART OF APP (EASY, E-FILE)
	a) Sequence listing(s) in ST.25 IMAGE format as a separate files as part of the description (not for the purposes of search), but not ST.25/Annex C text format compliant
	<pre>e.g. <cl-sequence-listing 1<="" quantity="" td=""></cl-sequence-listing></pre>
	b) Sequence listing(s) file(s) in ST.25/Annex C text format, filed as part of the description of the application, furnished for both this aforementioned purpose, and that of international search
	e.g. <cl-sequence-listing 1="" carriers="internal-electronic" for-search-only="no" quantity=""></cl-sequence-listing>
	<pre>Of</pre>
	c) Sequence listing(s) in ST.25 format as a separate file(s) as part of the description, but not compliant with ST.25/Annex C text format PLUS sequence listing(s) file(s) in ST.25/Annex C text format furnished for the purpose of international search only
	e.g. <cl-sequence-listing (applying="" 1="" <="" compliant="" file)="" for-search-only="yes" only="" quantity="" td="" text="" the="" to="" with-identifying-statement="yes"></cl-sequence-listing>
	page-count 42 (applying to the Description non text compliant file) carriers="external-electronic"

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carriers-type="CD" carriers-quantity=1 size=42123 (Bytes, TOTAL for multiple files) > d) sequence listing(s) in ST.25/Annex C text format (files) furnished for the purpose of international search ONLY (Where for the purposes of the description part of the application the sequence listing is embedded in the text of the main part of the description or the application is a PCT-EASY (diskette plus paper filing accompanied by an electronic carrier for transmission to the  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ searching authority). e.g. <cl-sequence-listing quantity 1 (or 2...n) for-search-only="yes" with-identifying-statement="yes" size=42123 (Bytes,TOTAL for multiple files) > or <cl-sequence-listing quantity 1 (or 2...n)</pre> for-search-only="yes" with-identifying-statement="yes" carriers="external-electronic" carriers-type="CD" carriers-quantity=1 size=42123 (Bytes,TOTAL for multiple files) > Furthermore there is an additional requirement to record the size in KB for ST.25/Annex C text format files, and support the filing

receiving offices who support this option (EFS WEB).

of this format of file using a separate physical carrier to support

[Annex II follows/L'annexe II suit]

NEXT ACTION: Entry into force BY:

PROCHAINE ACTION: Entrée en vigueur POUR LE :

#### ANNEX II/ANNEXE II

## **Comment by The International Bureau**

Changes to cl-sequence-listing also impact the demand element and demand.DTD.

Changes to sequence-list also impact wo-published-application.DTD and the xx-patent-document DTD as both DTDs contain the element.

[Annex III follows / L'annexe III suit]

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#### ANNEX III/ANNEXE III

## **Comments by the Korean Patent Office**

This is in reference to circular C.PCT 1162, note that we have no objection to the proposed changes to the standard for the Electronic filing and processing of international applications under PCT.

[Annex IV follows / L'annexe IV suit]

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#### ANNEX IV/ANNEXE IV

#### **Comments by the European Patent Office**

The EPO essentially agrees with the PFR.

#### **Proposal 1**

The proposed changes include:

```
seq-file-type CDATA #REQUIRED 'ST.25' or 'ST.25 TEXT'
```

Could the IB please clarify the meaning of this line, is it:

```
seq-file-type CDATA #REQUIRED
```

where the text 'ST.25' or 'ST.25 TEXT' is meant to suggest values in the comment of the tag, or

```
seq-file-type ( ST.25 | ST.25.TEXT ) #REQUIRED
```

Both solutions are acceptable for the EPO.

#### Proposal 2

The field of data carriers is a fast evolving technological area. It appears that limiting the attribute carriers may become a cumbersome source of updates for the DTD. If the type of data carrier is needed at all, the EPO prefers to leave it open and suggests the following definition:

carriers-type CDATA #IMPLIED

If the enumeration is kept, the EPO suggests to add a value "online" (or similar) to indicate the sequence listings were filed online.

[Annex V follows / L'annexe V suit]

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#### ANNEX V/ANNEXE V

## **Comment by the Intellectual Property Office of New Zealand**

Re your email PFC/EF/009-001

We have no issues to raise with respect to the proposed changes.

[Annex VI follows / L'annexe VI suit]

NEXT ACTION: Entry into force BY:

PROCHAINE ACTION: Entrée en vigueur POUR LE :

#### ANNEX VI/ANNEXE VI

## **Comment by the Intellectual Property Office of Switzerland**

Dear TF-members, we agree with both PFRs. Kind regards

[Annex VII follows / L'annexe VII suit]

NEXT ACTION: Entry into force BY:

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#### ANNEX VII/ANNEXE VII

#### **Comment by the Japan Patent Office**

In item 1-1) of PFC09/001, the change to the attribute: "seq-file-type" is proposed. The JPO would like to draw your attention to the fact that the proposed change alters the nature of the value: "ST.25" in it. The attribute proposed to be changed would permit only the sequence listing in a ST.25 non-text (image or paper) format, while the current attribute permits sequence listing in both a ST.25 non-text format and a ST.25 text format. This means the same value: "ST.25" would have a different nature before and after the proposed change became effective. In order to avoid the confusion the difference may incur, the JPO would like to suggest that the same value should maintain the same nature to ensure backward compatibility. In this regard, the JPO would like to propose that the attribute: "seq-file-type" remain unchanged and a new attribute: "electronic-format-type" be added as follows.

```
<!ELEMENT sequence-list EMPTY>
<!ATTLIST sequence-list
 id
          ID
                 #IMPLIED
 file
          CDATA
                     #REOUIRED
 lang
           CDATA
                      #IMPLIED
 carriers
            (internal-electronic |
          external-electronic |
          paper) #IMPLIED
 seq-file-type CDATA
                         #FIXED
                                   'ST.25'
                                            (remain unchanged)
 electronic-format-type (text | other ) #IMPLIED (proposed to be newly added)
           CDATA
                       #IMPLIED
 part-of-application (yes | no ) #IMPLIED >
```

[Annex VIII follows / L'annexe VIII suit]

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#### ANNEX VIII/ANNEXE VIII

## <u>Comment by The Federal Service for Intellectual Property, Patents and Trademarks (ROSPATENT)</u>

As for proposals PFR ST.36-2009-003 and PFR ST.36-2009-004 specialists of the RUPTO have no any objections.

[Annex IX follows / L'annexe IX suit]

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#### ANNEX IX/ANNEXE IX

## <u>Comment by The Federal Service for Intellectual Property, Patents and Trademarks (ROSPATENT)</u>

1-1) Package-data

It seems that the proposed update of **seq-file-type** attribute in **sequence-list** element, namely p.(a) concerning differentiation between the formats processible by PatentIn or not could provide necessity to amend the national DTDs and consequently to change the internal processes within IPOs.

In order to avoid this necessity we would propose to consider adding new optional attribute indicating the data format explicitly, e.g. optional attribute **seq-file-format CDATA #IMPLIED** where the "TEXT" value of the attribute would correspond to "ST.25 TEXT" value of seq-file-type as proposed.

1-2)

We'd propose not to limit the medium types by floppy disc, CD and DVD. The list could be: carriers-type (FD | CD | DVD | BD | other), where BD stands for Blu-Ray Disc.

[Annex X follows / L'annexe X suit]

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#### ANNEX X/ANNEXE X

## **Comment by European Patent Office**

From the discussion thread regarding the related PFR ST.36/2009/003:

With respect to the amended Proposal 2 of PFR ST.36/2009/003:

The EPO agrees with the IB proposal.

The EPO would like nevertheless to have some practical examples, in particular, of the markup of a sequence listing filed online.

[Annex XI follows / L'annexe XI suit]

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#### ANNEX XI/ANNEXE XI

#### **Comments by The International Bureau**

Thank you to all contributors to this discussion, either by directly commenting with regards to this PFC, or indirectly, by commenting on the corresponding PFR.

There appear to have been two items in the discussion that require a modification of the proposal. Having reviewed the comments and proposals the following final version is proposed as (for the modified parts):

Proposal 1 – accept proposal from JPO, noting similarity with proposal from ROSPATENT

```
<!ELEMENT sequence-list EMPTY>
<!ATTLIST sequence-list
 id
          ID
                 #IMPLIED
 file
          CDATA
                     #REOUIRED
 lang
           CDATA
                      #IMPLIED
 carriers
           (internal-electronic |
          external-electronic |
          paper) #IMPLIED
 seq-file-type CDATA
                         #FIXED
                                   'ST.25'
                                            (remain unchanged)
 electronic-format-type (text | other ) #IMPLIED (proposed to be newly added)
           CDATA
                       #IMPLIED
 part-of-application (yes | no ) #IMPLIED >
```

Proposal 2 - accept proposal from ROSPATENT

carriers-type (FD | CD | DVD | BD | other) #IMPLIED

The revised proposal, in its entirety follows:

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1-1) Change: package-data <!--SEOUENCE LISTING According to WIPO ST.25: STANDARD FOR THE PRESENTATION OF NUCLEOTIDE AND AMINO ACID SEQUENCE LISTINGS IN PATENT APPLICATIONS: see http://www.wipo.int/scit/en/index.html "The sequence listing as defined in paragraph 2(i) shall, where it is filed together with the application, be placed at the end of the application. This part shall be entitled Sequence Listing, begin on a new page and preferably have independent page numbering. The sequence listing forms an integral part of the description; it is therefore unnecessary, subject to paragraph 36, to describe the sequences elsewhere in the description." Therefore we create here a separate sub-document for sequence listings, it should follow any drawings or the claims. It should follow the format of ST.25 and be an external file <!ELEMENT sequence-list EMPTY> ID <!ATTLIST sequence-list id #IMPLIED file CDATA #REQUIRED CDATA #IMPLIED lang (internalcarriers electronic external-electronic paper ) #IMPLIED To: <!--SEQUENCE LISTING According to WIPO ST.25: STANDARD FOR THE PRESENTATION OF NUCLEOTIDE AND AMINO ACID SEQUENCE LISTINGS IN PATENT APPLICATIONS: see http://www.wipo.int/scit/en/index.html "The sequence listing as defined in paragraph 2(i) shall, where it is filed together with the application, be placed at the end of the description part of the application. This part shall be entitled Sequence Listing, begin on a new page and preferably have independent page numbering. The sequence listing forms an integral part of the description; it is therefore unnecessary, subject to paragraph 36, to describe the sequences elsewhere in the description." Therefore we create here a separate sub-document for sequence it should follow any drawings or the claims. It should follow the format of Annex C/ST.25 and be an external file -->

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	ELEMENT sequence-list EMPTY	
	<pre><!--ATTLIST sequence-list id</th--></pre>	
Items impacted	ST.36 element sequence-list, package-data.dtd	
Reason	There are two changes in the element  b) Add attribute electronic-format-type to permit the differentiation at the file level as to whether the sequence listing is in a ST.25 text format that is processible by applications including PatentIn or in another non-processible format	
	and, b) Add an attribute to indicate, again at the file level, whether the specific sequence listing file referenced by each instance of the sequence-list element forms part of the application (yes), or is furnished for other purposes (no).	

1-2)	Change:
request	<pre><!--    Checklist; a sequence listing is being furnished    quantity - the number of sequence listing files furnished (not including copies)--></pre>
	ELEMENT cl-sequence-listing EMPTY
	<pre><!--ATTLIST cl-sequence-listing quantity CDATA #REQUIRED</td--></pre>
	<pre>To:     <!--         Checklist; a sequence listing or sequence listings is/are         being furnished         For carriers-type the listed values represent: FD - Floppy Disc CD -Compact Disc BD - Blu-Ray Disc DVD - Digital Versatile Disc Other - Other media types-->     <!--ELEMENT cl-sequence-listing EMPTY--></pre>

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	<pre><!--ATTLIST cl-sequence-listing quantity CDATA #REQUIRED</th--></pre>
	with-identifying-statement (yes   no ) #IMPLIED page-count CDATA #IMPLIED
	carriers (internal-electronic   external-electronic   paper ) #IMPLIED  carriers-type (FD   CD   BD   DVD   other) #IMPLIED  carriers-quantity CDATA #IMPLIED  size CDATA #IMPLIED >
Items impacted	ST.36 element cl-sequence-list, request.dtd, demand.dtd
Reason	This element from July 1, 2009 needs to support 4 cases none of which are available for PAPER filings:
	a) ST.25 IMAGE FORMAT FILE ONLY (E-FILE) b) ST.25 TEXT FORMAT FILE ONLY (E-FILE) c) BOTH ST.25 IMAGE AND TEXT FORMATS (E-FILE) d) ST.25 TEXT FORMAT ONLY NOT AS PART OF APP (EASY, E-FILE)
	a) Sequence listing(s) in ST.25 IMAGE format as a separate files as part of the description (not for the purposes of search), but not ST.25/Annex C text format compliant
	e.g. <cl-sequence-listing 1="" 42="" page-count="" quantity=""></cl-sequence-listing>
	or <cl-sequence-listing 3="" 42="" page-count="" quantity=""> The USPTO support physical medium for ST.25 image format files? -</cl-sequence-listing>
	its logical as these will be bigger than the text files!
	b) Sequence listing(s) file(s) in ST.25/Annex C text format, filed as part of the description of the application, furnished for both this aforementioned purpose, and that of international search
	e.g. <cl-sequence-listing 1="" carriers="internal-electronic" for-search-only="no" quantity=""></cl-sequence-listing>
	Or <cl-sequence-listing 1<="" quantity="" th=""></cl-sequence-listing>
	for-search-only="no"
	carriers="external-electronic"
	carriers-type="CD" carriers-quantity=1
	size=42123 (Bytes, TOTAL for multiple files)>
	c) Sequence listing(s) in ST.25 format as a separate file(s) as part of the description, but not compliant with ST.25/Annex C text format PLUS sequence listing(s) file(s) in ST.25/Annex C text format furnished for the purpose of international search only
	e.g. <cl-sequence-listing (applying="" 1="" compliant="" file)<="" for-search-only="yes" only="" quantity="" text="" th="" the="" to=""></cl-sequence-listing>
	with-identifying-statement="yes"  page-count 42 (applying to the Description non text compliant file)
	carriers="external-electronic" carriers-type="CD"
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carriers-quantity=1 size=42123 (Bytes, TOTAL for multiple files) > d) sequence listing(s) in ST.25/Annex C text format (files) furnished for the purpose of international search ONLY (Where for the purposes of the description part of the application the sequence listing is embedded in the text of the main part of the description or the application is a PCT-EASY (diskette plus paper filing accompanied by an electronic carrier for transmission to the searching authority). e.g. <cl-sequence-listing quantity 1 (or 2...n) for-search-only="yes" with-identifying-statement="yes" size=42123 (Bytes, TOTAL for multiple files) > <cl-sequence-listing quantity 1 (or 2...n)</pre> or for-search-only="yes" with-identifying-statement="yes" carriers="external-electronic" carriers-type="CD" carriers-quantity=1 size=42123 (Bytes, TOTAL for multiple files) > Furthermore there is an additional requirement to record the size in KB for ST.25/Annex C text format files, and support the filing of this format of file using a separate physical carrier to support receiving offices that support this option (EFS WEB).

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

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