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*Principal Directorate 4.1: Information Systems
The Hague*



EBD - EPO Bibliographic Data - Specifications

Version 2.1
January 2001

SGMI



EBD - EPO Bibliographic Data Specifications
Version 2.1
17 January 2001

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Summary of changes in Version 2.1

The **main** changes compared with Version 2.0 are:

- , A new section (Section 6.3) regarding **corrections** comes into force in publication week 11, 2001. This section has had some minor modifications added and the relevant tags have been added to section 7.
- , References to the old exchange tape (EPR-EXT) have been removed.

1 Introduction

- 1.1 What are EBD files? EBD stands for EPO Bibliographic Data; the files consist of EPO patent data marked up using SGML tags; the data gives details of all newly published applications and patents and recent changes to previously published patents. For example, the data includes details of date of filing, titles, applicant data, classification, priority data, etc. These are complex files which require a good understanding of EPO patent procedures.
- 1.2 This document describes the format for bibliographic data used for EPO patent publications and EPO bibliographic data exchange. It replaces the "Extended European Patent Register Exchange Format" (**which is not supported from the end of 1999**). It conforms to WIPO Standard ST.35 *"Recommended standard format for data exchange of mixed-mode published patent document information on reel-to-reel and IBM 3480/90 cartridges tapes"* (EPO Version 1.2 June 1999).
- 1.3 The format provides for a system independent data format, using **SGML**, which is more flexible and extensible than the previous format. Also, in addition to bibliographic data, the new format allows for the expansion of the data to include: abstract, description, claim(s), drawing(s) and search report - including all embedded images. Note that the full text and images of all EP A and B documents are also available in ST.35 format.
- 1.4 Although we have described the format for data exchange as based on magnetic tape/cartridge it is also possible to exchange the data using virtually any other media, eg. online, since the variable part of the data consists of SGML tagged data.
- 1.5 In respect to online data transmission we are planning to give access to the EBD files, via the Internet, as part of the **epoline** service to EPO National Offices and others. Check the web site: www.epoline.org for details and for updates of this document.
- 1.6 The application of this standard for bibliographic data processing is described below. It should be noted that these files contain fairly complex data and a good knowledge of EPO patent rules and formalities is required to make full use of the data, which includes a careful study of this document.
- 1.7 Note on **XML** compliance. The EBD variable data is **SGML** compliant and **not** XML compliant. The SGML DTD can be found on our web site: www.epoline.org. Future conversion to XML is possible; as far as we know only three major changes would have to be made to EBD files:
1. End tags need to be added to several tags.
 2. Empty tags need to be modified, eg.
 - break tag
 3. Not all attribute values have quotes around them.

2 Data description

2.1 The bibliographic data described below includes all the information according to Rule 92(1) of the **EPC** (European Patent Convention)¹. That is:

Rule 92 - Entries in the Register of European Patents

- (1) *The Register of European Patents shall contain the following entries:*
- (a) *number of the European patent application;*
 - (b) *date of filing of the European patent application;*
 - (c) *title of the invention;*
 - (d) *classification code given to the European patent application;*
 - (e) *the Contracting States designated;*
 - (f) *family name, given names, address and the State in which the residence or principal place of business of the applicant for or proprietor of the European patent is located;*
 - (g) *family name, given names and address of the inventor designated by the applicant for or proprietor of the patent unless he has renounced his title as inventor under Rule 18, paragraph 3;*
 - (h) *family name, given names and address of the place of business of the representative of the applicant for or proprietor of the patent referred to in Article 134; in the case of several representatives only the family name, given names and address of the place of business of the representative first named, followed by the words ``and others'', shall be entered; however, in the case of an association referred to in Rule 101, paragraph 9, only the name and address of the association shall be entered;*
 - (i) *priority data (date, State and file number of the previous application);*
 - (j) *in the event of a division of the European patent application, the numbers of the European divisional applications;*
 - (k) *in the case of European divisional applications and a new European patent application under Article 61, paragraph 1(b), the information referred to under sub-paragraphs (a), (b) and (i) with regard to the earlier European patent application;*
 - (l) *date of publication of the European patent application and where appropriate*

¹ In order to understand and utilise the data in EBD files it is also necessary to have a good knowledge of the EPC - see web site:
<http://www.european-patent-office.org/epc97/index.htm>

date of the separate publication of the European search report;

- (m) date of filing of the request for examination;*
- (n) date on which the European patent application is refused, withdrawn or deemed to be withdrawn;*
- (o) date of publication of the mention of the grant of the European patent;*
- (p) date of lapse of the European patent in a Contracting State during the opposition period and, where appropriate, pending a final decision on opposition;*
- (q) date of filing opposition;*
- (r) date and purport of the decision on opposition;*
- (s) dates of suspension and resumption of proceedings in the cases referred to in Rule 13;*
- (t) dates of interruption and resumption of proceedings in the case referred to in Rule 90;*
- (u) date of re-establishment of rights provided that an entry has been made in accordance with sub-paragraph (n) or sub-paragraph (r);*
- (v) the filing of a request to the European Patent Office pursuant to Article 135;*
- (w) rights and transfer of such rights over a European patent application or European patent where these are recorded pursuant to these Implementing Regulations.*

2.2 This information allows users to keep European Patent Register information up-to-date.

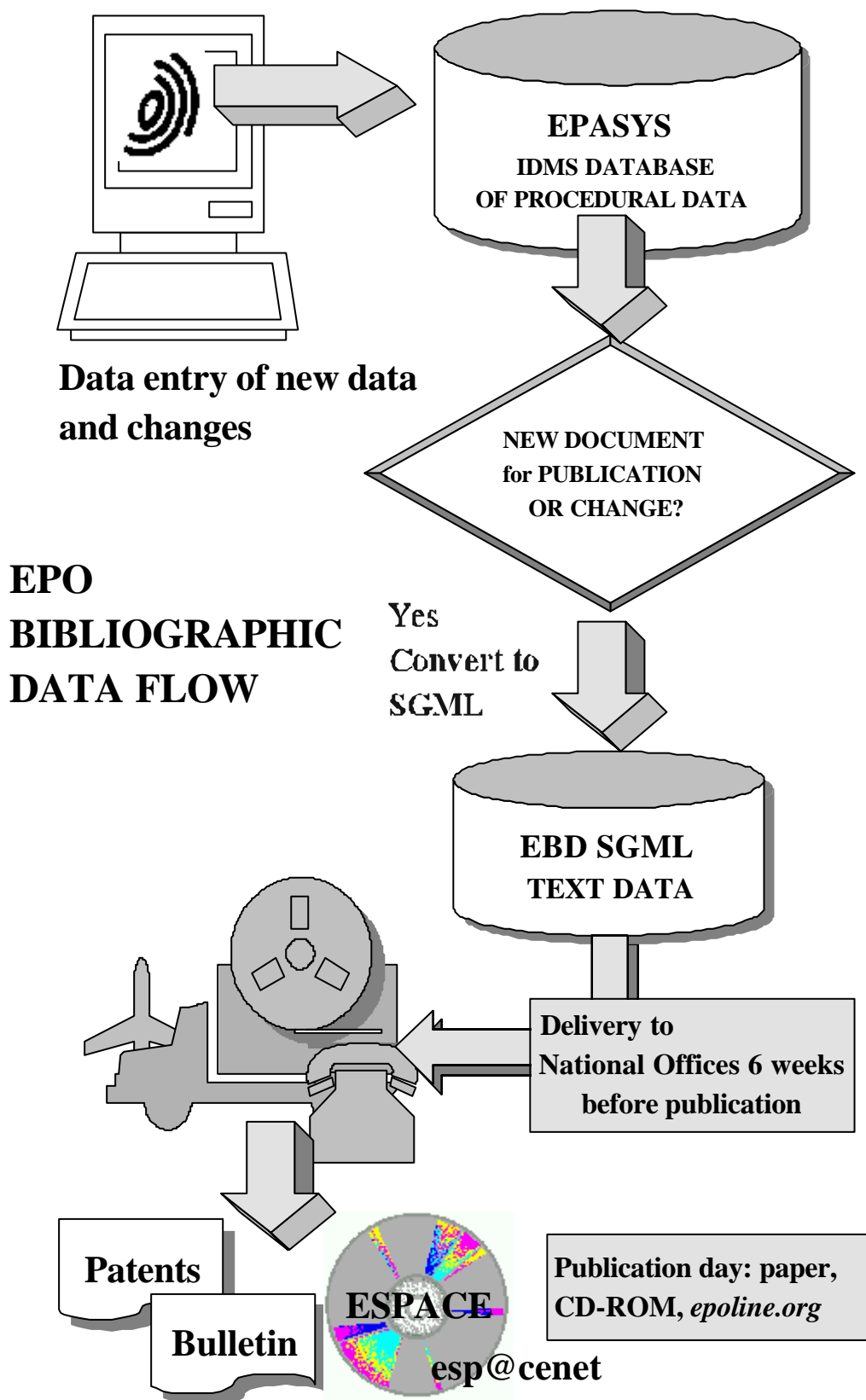
2.3 Since 1978 the information has been available in a format derived from internal EPO standards. The EBD format replaces the old one. For the time being, both formats will be processed in parallel until all recipients have converted their systems (hopefully by mid-2000).

2.4 It must be stressed that this format will be used only for EP publication data and not necessarily, for example, from other EPO systems such as DOCDB and EPOQUE.

2.5 All data in the EBD format is extracted from the EPO's EPASYS database - an IDMS database (in the future DB2) which contains all procedural data regarding European patent documents. EPASYS data input is the responsibility of many EPO staff (examiners and formalities officers) with many thousands of transactions taking place per day. No new data content is added during the

- conversion to the EBD format (except SGML tags) - we can only process what is in the EPASYS database. If there is a mistake in EPASYS, for example, there will be a mistake in the EBD data.
- 2.6 In due course the data may be extracted from a new EPO database: Patent Information Register (PIR). The format of the EBD file will not change; that is, it will still be based on WIPO ST.35 and ST.32 SGML tagging. There will simply be more data in the file - notably historical and deleted data: notification of this change will be given.
- 2.7 Once per week there is a so called 'publication run' which extracts from EPASYS the data required for the publication of EP A and B publications, the EP Bulletin and for data exchange purposes. It is at this time that the bibliographic data file (and tapes) is created. Therefore, the data is a 'photograph' of all the previous weeks additions, changes, etc. in EPASYS.
- 2.8 It should be noted that the EBD file is **not** a cumulative record of all the changes which may have been made to a file (for this users should refer to the Register of European Patents: <http://www.european-patent-office.org/epidos/epr.htm>) - it is a 'snapshot' of only those changes which occurred in a particular publication week. In addition there is a clear distinction between A and B publications (separate files) since these are separate documents for publication purposes - therefore, the B file is not an update of the A file; it is a file in its own right (extracted from EPASYS) - although, of course, much of the data may be the same in both files.

2.9 Overview of bibliographic data flow



- 2.10 In terms of volume and size of data a typical week's bibliographic data would consist of:

New (first) EP publications:

A1 and A2	:	706 Docs	1.52 MB
A3	:	163 Docs	0.36 MB
B1	:	699 Docs	1.67 MB
B2	:	8 Docs	0.26 MB

Euro PCT	:	1237 Docs	3.04 MB
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Changed EP publications:

A1 and A2	:	2929 Docs	7.00 MB
B1 and B2	:	1511 Docs	3.81 MB

WIPO publications:

WIPO 2(1)	:	689 Docs	1.36 MB
WIPO 2(2)	:	181 Docs	0.37 MB

Note: when stored on *epoline* all these files will be 'zipped' to create a zip file with an average size of 3 to 4MB, containing two files: one for all A publications and one for all B publications.

- 2.11 When extracting the data from EPASYS we have split the job into the following parts:

- 2.11.1 A1 and A2: EP patent applications and Euro-PCT's (Art. 158(3)) which have not been published in one of the three EPO languages.

These are listed in the EP Bulletin in Section I.1(2)

- 2.11.2 A3: EP patent applications (Title page plus search report)

These are listed in the EP Bulletin in Section I.1(3)

- 2.11.3 B1: EP patent specifications

These are listed in the EP Bulletin in Section II.1(1)

- 2.11.4 B2: EP patent specifications

These are listed in the EP Bulletin in Section II.1(2)

- 2.11.5 Euro-PCT applications:

International applications which have entered the European phase (Art 158(1)). These are listed in the EP Bulletin in Section I.1(1) which contains all Euro-PCT applications for which the EPO has not printed the A-document. To identify these applications in the Bulletin Section I.1(1), an asterisk '*' is printed next to the publication number.

2.11.6 International applications not entering the European phase.

These are listed in the EP Bulletin in Section I.2 which contains all international applications which have not paid the fees in due time and therefore are not entering the European phase.

2.11.7 A-patent application changes

These are listed in the EP Bulletin in Section I.12

2.11.8 B-patent specification changes

These are listed in the EP Bulletin in Section II.12

2.12 The new EP publications:

A1, A2 and A3: EP patent applications
B1 and B2: EP patent specifications

need little explanation - these are the documents coded as "ready for publication" six weeks after the publication run date. Therefore, for example, the EPO publication contractors will use this data, together with data previously captured by them, eg. description and drawings, to create and print the final patent documents for that week.

2.13 Changed EP documents:

These need more explanation - especially on the size of the two files: generally over 10 MB altogether.

In the EP Bulletin only brief details are given of changes to published documents. The most common changes, for A documents, for example, are shown in Section I.7: "Date of filing of request for examination", with the following format:

(11) 0 851 243 13.10.1999

On the new bibliographic tape ALL data for this publication would be given; giving the following example entry:


```
<PATDOC FILE="97310219.7" CY=EP DNUM=0851243
KIND=A2 DATE=19991013 STATUS=R>
<SDOBI LA=E>
<B000>
<EPTAGS>
<B001EP>ATBECHDEDKESFRGBGRITLILUNLSEMCPYESI
LTLVFIROMK.AL</B001EP>
<B002EP>B241=N</B002EP>
<B005EP>R</B005EP>
<B007EP>DIM360 - Ver 2.9 (30 Jun 1998)
<BR> 1710000/0</B007EP>
</EPTAGS>
</B000>
<B100>
<B110>0851243</B110>
<B120>
<B121>EUROPEAN PATENT APPLICATION</B121>
</B120>
<B130>A2</B130>
<B140><DATE>19991013</B140>
<B190>EP</B190>
</B100>
<B200>
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<B240><B241>
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<B251EP>En</B251EP>
<B260>En</B260>
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<B330><CTRY>US</B330>
</B300>
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<B430><DATE>19980701<BNUM>199827</B430>
</B400>
<B500>
<B510>
<B516>6
<B511> 6G 01V 1/38 A
<B512> 6G 01H 15/00 B
</B510>
<B540>
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<B542>Messung von der Meeresbodenreflektivität
<B541>EN
<B542>Measuring sea floor reflectivity
<B541>FR
<B542>Mesure de la réflectivité du fond marin
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<SNM>WESTERN ATLAS INTERNATIONAL, INC.
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</IRF>HL58425/000/CIV
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<STR>10205 Westheimer Road
<CITY>Houston, TX 77042-3115
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</B711>
</B710>
<B720>
<B721>
<SNM>Paffenholz, Josef
<ADR>
<STR>2342 Deer Meadow
<CITY>Missouri City,
<BR>Texas 77489
<CTRY>US
</ADR>
</B721>
</B720>
<B740>
<B741>
<SNM>O'Connell, David Christopher
<IID>00062551
<ADR>
<STR>Haseltine Lake & Co.,
<BR>Imperial House,
<BR>15-19 Kingsway
<CITY>London WC2B 6UD
<CTRY>GB
</ADR>
</B741>
</B740>
</B700>
<B800>
<B840>
<CTRY>AT
<CTRY>BE
...
</B840>
<B844EP>
<B845EP>
<CTRY>AL
...
</B844EP>
<B880>
<DATE>19990224
<BNUM>199908
</B880>
</B800>
</SDOBI></PATDOC>
```

References

The following documents are of fundamental importance to this document:

1. WIPO Standard ST.32: Recommendation for the markup of patent documents using SGML (Standard Generalized Markup Language). (EPO Version 3.4). This includes the DTD which should be used if the data described in this document is parsed.
2. WIPO Standard ST.35: Recommended standard format for data exchange of mixed-mode published patent document information on reel-to-reel and IBM 3480/90 cartridges tapes. (EPO Version 1.1 Dec 1996).
3. WIPO Standard ST.3, Two-Letter code for countries, organizations etc.
4. WIPO Standard ST.8, Recording of international patent classification (IPC)
5. WIPO Standard ST.9, Recommendation concerning bibliographic data on and relating to patent documents.
6. WIPO Standard ST.50, Guidelines for Issuing corrections, alterations and supplements relating to patent information
7. International Standard ISO 8879:1986, Information processing - Text and office systems - Standard Generalized Markup Language (SGML)
8. International Standard ISO 639:1988, Code for the representation of names of languages.
9. International Standard ISO 1001:1986, Information processing -- File structure and labelling of magnetic tapes for information interchange.
10. EPO document: "Character set and entity references"

Note: Most of these standards can be viewed/downloaded from the WIPO Internet site:

<http://www.wipo.int/pcipi/en/stdpcipi.htm>

3 Physical specifications of the file

Notes:

- C For a more detailed description please refer to: WIPO ST.35.
- C *epoline* online ST.35 files will **not** contain the specification for tape labelling detailed in this section; *epoline* ST.32 files will not contain any of the information in this section.

Number of tracks : 9 for Tape - 18 for Cartridge

Recording density : 6.25 KB/inch for Tape - 48 KB/inch for Cartridge

Coding : EBCDIC

Labels : IBM OS/370 Standard Labels

Record format : Variable blocked

Maximum record length : 19.992 Bytes

Maximum block length : 20.000 Bytes

Standard labels for Volume, Header 1 and Header 2 (see Standard ISO 1001 which in respect to labelling is compatible with IBM labels) :

, VOL1 : Tape volume id

, HDR1 and HDR2 : Data set header labels

, EOVS1 and EOVS2 : Data set trailer labels (End of volume)

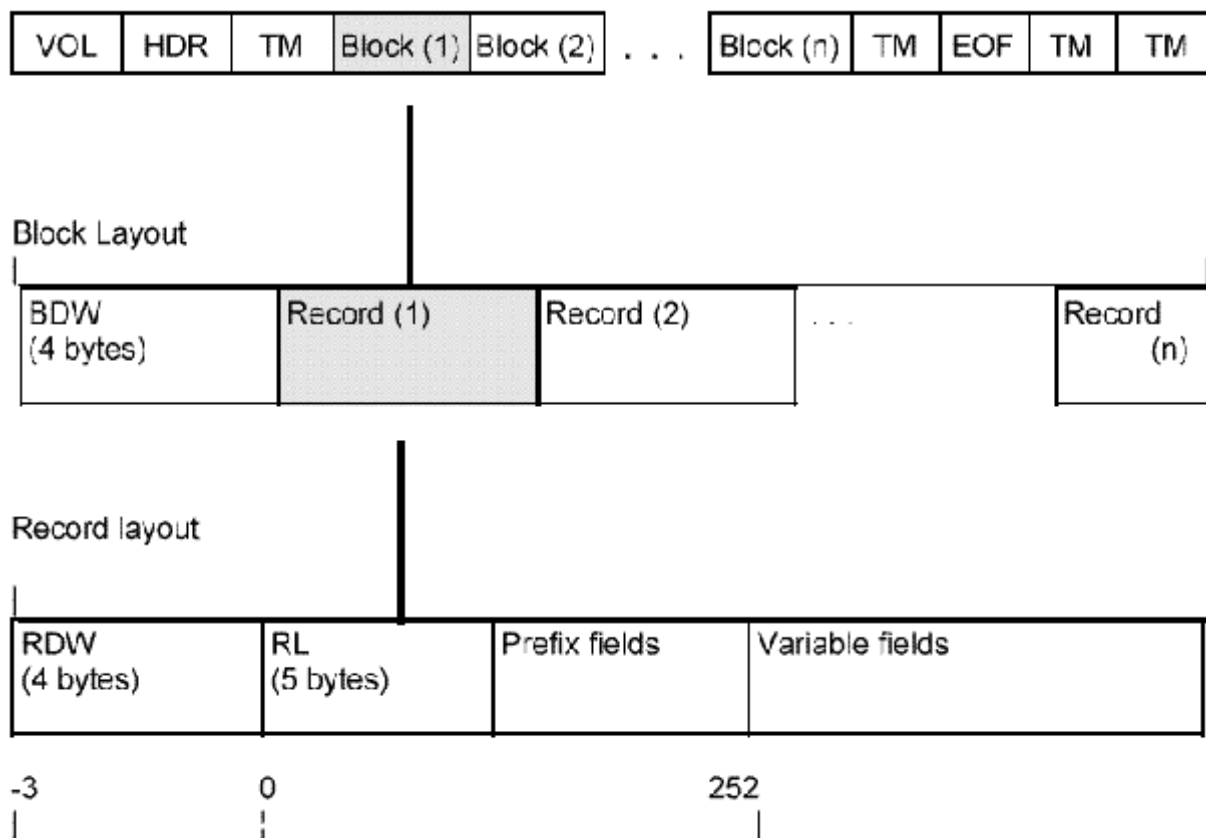
, EOF1 and EOF2 : Data set trailer labels (End of file)

A file block contains one or more logical records of variable length.

Each block is preceded by a 'Block descriptor word' of four bytes which contains the actual block length plus four bytes in binary (hexadecimal based).

Each record is preceded by a 'Record descriptor word' of four bytes which contains the actual record length plus four bytes in binary (hexadecimal based).

4 File layout



Record Prefix

VOL = Tape volume id
 HDR = Header records
 EOF = End of file records
 TM = Tape mark

BDW = Block descriptor word in 4 bytes:
 , Bytes 1-2 contains the actual block length in hexadecimal eg. 19774 is stored as x'4D3E'.
 , Bytes 3-4 contains the hexadecimal value x'0000'.

RDW = Record descriptor word in 4 bytes:
 , Bytes 1-2 contains the actual record length in hexadecimal eg. 1526 is stored as x'05F6'.
 , Bytes 3-4 contains the hexadecimal value x'0000'.

RL = Record length in 5 bytes

The maximum record length is 19,992 bytes (excluding the record length word (RDW) of 4 bytes) with a fixed part of 252 bytes. From position 253 onwards, the record contains variable length data.

4.1 HDR1/EOF1 layout description

Item	Description	Start	Length	Format
1	Identifier ('HDR1', 'EOF1')	1	4	Char
2	Dataset Name	5	17	Char
3	Dataset Serial Number	22	6	Char
4	Volume Sequence Number	28	4	Char
5	Dataset Sequence Number	32	4	Char
6	Generation Number	36	4	Char
7	Version Number	40	2	Char
8	Reserved	42	1	Char
9	Creation Date	43	5	Char
10	Reserved	48	1	Char
11	Expiration Date	49	5	Char
12	Dataset Security	54	1	Char
13	Block Count	55	6	Char
14	System Code	61	13	Char
15	Reserved	74	7	Char

Example

```
1...5...10...15...20...25...30...35...40...45...50...55...60...5...70...5...80
HDR1P06.PRODDATA.LOADBC960100010001      96012 000000000000EPO/DATIMTEX
```

```
1...5...10...15...20...25...30...35...40...45...50...55...60...5...70...5...80
EOF1P06.PRODDATA.LOADBC960100010001      96012 000000000001EPO/DATIMTEX
```

Notes:

- , Items 9 and 11, dates, are the only items on the EBD tape which are not year 2000 date compliant. We do not believe this will cause any problems: Item 11 is not used by the EPO.
- , The block count field, 13, positions 55-60, contains the value zero in the HDR1 record but in the EOF1 record it contains the number of physical blocks actually written on the tape.

4.2 HDR2/EOF2 layout description

Item	Description	Start	Length	Format
1	Identifier ('HDR2', 'EOF2')	1	4	Char
2	Record Format	5	1	Char
3	Block Length	6	5	Char
4	Record Length	11	5	Char
5	Tape Density	16	1	Char
6	Dataset Position	17	1	Char
7	Job /Jobstep Identification	18	17	Char
8	Tape Recording Technique	35	2	Char
9	Control Character	37	1	Char
10	Reserved	38	1	Char
11	Block Attribute	39	1	Char
12	Reserved	40	41	Char

Example

```

1...5...10...15...20...25...30...35...40...45...50...55...60...5...70...5...80
HDR2V2000019996 DATIMTEX/DATIMTEX B

```

```

1...5...10...15...20...25...30...35...40...45...50...55...60...5...70...5...80
EOF2V2000019996 DATIMTEX/DATIMTEX B

```

Note: The contents of HDR2 and EOF2 are identical.

5 Record layout description

Note: *epoline* online ST.32 files will **not** contain any of the information in this section.

5.1 Prefix item definition for text data

M/D O/R	Item No.	Field name	Start pos.	Field length	Typ e
M	0	Internal record length (Record Descriptor Word)	-3	4	Bin
I. PREFIX ITEMS					
M	1	Record length	1	5	Char
M	2	Publication office	6	2	Char
M	3	Kind of document	8	2	Char
M	4	Document number	10	8	Char
O	5	Emperor's year code	18	1	Char
R	6	Others	25	8	Char
D	6.1	Prefix Character set (ASCII or EBCDIC)	19	1	Char
D	6.2	Length of variable data field (50)	20	5	Char
M	6.3	Version Number	25	2	Char
M	7	Document component type	27	3	Char
M	8	Document component identification number	30	8	Char
M	9	Document component record sequence number	38	2	Bin
O	10	Date of issue of amendment	40	8	Char
O	11	Others (exchange use) - for EPO used as:			Char
	11.1	Date of publication	48	8	Char
	11.2	Publication week	56	6	Char
	11.3	Reserved	62	1	Char
O	12	Others (domestic use) - for EPO used as:			Char
	12.1	EP application number	63	10	Char
	12.2	Other	73	5	Char
M	13	Originating office	78	2	Char
M	14	Date of production	80	8	Char
M	15	Document status	88	1	Char
M	16	Document component status	89	1	Char
O	17	Highest frame number within page	90	4	Char
O	18	Highest document record sequence number	94	4	Bin
M	19	Highest document component record sequence number	98	2	Bin
D	20	Distinction of revisory document	100	1	Char
O	21	Size of document in height	101	3	Char
O	22	Size of document in width	104	3	Char

M/D O/R	Item No.	Field name	Start pos.	Field length	Typ e
D	23.1	Document component record sequence number (item 9 in char. form)	107	4	Char
D	23.2	Highest document record sequence number (item 18 in char. form)	111	6	Char
D	23.2	Highest document component record sequence number (item 19 in char. form)	117	4	Char
O	23.4	Others (domestic use)	121	1	Char
O	24	Others (domestic use)	122	15	Char
M	25	Data type	137	1	Char
O	26- 33	Others	138	8	Char
M	34	Extended document number	146	15	Char
O	35- 48	Others	161	90	Char
II. VARIABLE DATA FIELD					
M	49	Length of variable data field	251	2	Bin
M	50	Variable data field	253	V	
M : Mandatory D : Desirable O : Optional R : Reserved					

Note: For image data items 26 to 48 inclusive have other values, see: WIPO ST.35.

5.2 Prefix item description for text data

Item no.	Field name	Description
0	Internal record length (Record descriptor word)	Binary record length indicator which is not always available for application programs. C Bytes 1-2 contain the actual length of the logical record plus four bytes in hexadecimal. C Bytes 3-4 contain hexadecimal value x'0000'.
1	Record length	For common use on all operating systems; the value is equal to the value of item 0 minus the value 4
2	Publication office	EP or WO (WIPO)
3	Kind of document	WIPO Standard ST.16 (Standard code for identification of different kinds of patent documents)
4	Document number	EP publication number
5	Emperor's year code	Not used
6.1	Prefix character set	Not used This indicates which character set is used for the prefix data: ASCII or EBCDIC.
6.2	Length of variable data field (50)	Not used
6.3	Version Number	The version number of ST.35 standard. Value will be 'V2'.
7	Document component type	The code currently used is: TXT Character-code data
8	Document component identification number	For text records, i.e., where 'item 7' contains 'TXT', the sequence number should, normally, always be 00000001.
9	Document component record sequence	Identification of this record with reference to 'Highest document component record sequence number' (Item 19) for this document component
10	Date of issue of amendment	The date of amendment (YYYYMMDD)
11	Others (exchange use)	Free use by each office for exchange use. EPO usage is as follows:
12	Others (domestic use)	Free use by each office for domestic use.
13	Originating office	Always: EP
14	Date of production	The date of data capture (YYYYMMDD)
15	Document status	The codes currently used are: C Correction (not yet used) N New R Replacement D Deletion
16	Document component status	The codes currently used are: N New R Replacement D Deletion M Missing

Item no.	Field name	Description
17	Highest frame number within page	Not used
18	Highest document record sequence number	The total number of physical records used for this document, i.e., for the same: Publication office Kind of document Document number Emperor's year code
19	Highest document component record sequence number	The total number of physical records for this document component, i.e., for the same: C Publication office C Kind of document C Document number C Emperor's year code C Document component type C Document component identification number
20	Distinction of revisory document	Not used
21	Size of document in height	Not used
22	Size of document in width	Not used
23.1	Document component record sequence number	Not used
23.2	Highest document record sequence number	Not used
23.3	Highest document component record sequence number	Not used
23.4	Others (domestic use)	Not used
24	Others (domestic use)	Not used
25	Data type	Always 'T' - for Text
26-33	Others	Not used
34	Extended document number	Not used
35-48	Others	Not used
49	Length of variable data field	Total number of bytes of subsequent data in this physical record
50	Variable data field	Containing data according to data type: item 25. This is where the <PATDOC> SGML data starts.

6 Variable items

Notes:

- C In this part of the record, data items are stored according to WIPO Standard ST.32 i.e. each field is preceded by an SGML tag (in addition various tags may have attributes).
- C If the data for the same publication number and record identification cannot fit in one logical record several records are written and the "Document component record sequence number" field, in the fixed part, is incremented by one for each logical record: **this applies to ST.35 files only.**
- C *epoline* online ST.32 files will contain **only** the information detailed in this section.

6.1 Table of tags

These tables do **not** include all bibliographic tags listed in WIPO ST.32, only those required for the EBD format.

Key to column headers:

INID: an acronym for “Internationally agreed Numbers for the Identification of (bibliographic) Data.”): a list of approximately 60 distinct bibliographic data widely used on the first page of patent documents or in Patent Gazettes. (See WIPO ST.9)

Rep tag: Repeat tag

INID code	Rep Tag	Bibliographic tag				Description
		PATDOC				Patent document
		SDOBI				Sub-document for bibliographic data
		Floating tags				These tags can appear anywhere in the document
			BCHG			Beginning of change
			ECHG			End of change
			BR			Line break
		B000				Office specific system/file information
		EPTAGS				EPO specific tags
			B001EP			Selective mask for states involved
			B002EP			Changed tags
			B003EP			A-document published
			B004EP			Re-establishment of rights indicator
			B005EP			Printer identification J = Jouve X = Xerox
			B006EP			Indicator for international applications
			B007EP			Reserved for EPO internal use
			B008EP			Indicator for small changes
			B009EP			Text from B725EP tag in the three EPO official languages
			B010EP			Other rights and legal means of execution

INID code	Rep Tag	Bibliographic tag			Description
	R			B011EP	Date, serial number & states concerned
				DATE	Date of notification
				DNUM	Serial number of the legal right
	R			CTRY	Country code (States concerned)
			B050EP		Free text
	R				Language and text
				B051EP	Language
				B052EP	Text
	R		B053EP		Additional remarks
			B070EP		B publication technical field (subsequently filed technical information)
			B078EP	DATE	Date of 'No opposition filed'
			B080EP		Public notification
				B081EP	Inspection place
				B082EP	Addressee
				SNM	Name
				ADR	Address
				STR	Street
				CITY	City, town
				CTRY	Country
				B083EP	Free text
10		B100			Document identification
11			B110		Number of the document (EPO or WIPO publication)
12			B120		Plain language designation
			B121		Plain language designation of the kind of document
			B121EP		Descriptive text for B121 (EPO)
13		B130			Kind of document
		B132EP			Original kind code
		B133EP			New kind code
		B140	DATE		Document date, usually date of publication

INID code	Rep Tag	Bibliographic tag				Description
15		B150				Patent correction information
			B151EP			Supplementary correction code
			B152EP	Date		Issue date of announced correction being cancelled.
			B153EP			Affected INID codes
			B154EP			Standard notes
	R			B1541EP		Note language
	R			B1542EP		Note text
			B155EP			Affected parts of document
	R			B1551EP		Part language
	R			B1552EP		Part text
		B190				Publishing country or organisation
20		B200				Domestic filing data
21		B210				Number assigned to the application (EPO no.)
22		B220	DATE			Application filing date
23		B230				Other dates
			B235	DATE		Date of refusal of application
			B236	DATE		Date of withdrawal of application
			B237	DATE		Date of application deemed withdrawn
			B238EP	DATE		Date of receipt of request for re-establishment of rights
			B238	DATE		Date of decision for re-establishment of rights
			B239	DATE		Date of revocation
24		B240				Dates from which industrial property rights may have effect
			B241	DATE		Date of request for examination
			B242	DATE		Date of despatch of the first examination report
			B243	DATE		Date of 'patent maintained as amended'
			B244			Request for conversion under Article 135
				DATE		Date of the request for conversion to National application

INID code	Rep Tag	Bibliographic tag			Description
				CTRY	Country code (States concerned)
		B245		DATE	Date of suspension (Rule 13) / Interruption (Rule 90) of proceedings
		B245EP			Suspension/Interruption indicator
		B246		DATE	Date of resumption of proceedings (Rule 13 / Rule 90)
25		B250			Filing language
		B251EP			Procedure language
26		B260			Publication language
30		B300			Priority data
	R				Priority elements
31		B310			Number
32		B320		DATE	Date
33		B330		CTRY	Country in which the priority application was filed
40		B400			Public availability dates
		B405			Patent bulletin / gazette information
			DATE		Publication date
			BNUM		Issue number of the Bulletin
43		B430			Unexamined document without grant (first publication)
			DATE		Publication date
			BNUM		Issue number of the Bulletin
45		B450			Document with grant (second publication)
			DATE		Publication date
			BNUM		Issue number of the Bulletin
		B451EP		DATE	Date of announcement of intention to grant without preceding Examination report.
		B472			Term of grant
			B475		Lapse of a patent
	R				Lapse elements
				DATE	Date of lapse
				CTRY	Country code (State concerned)

INID code	Rep Tag	Bibliographic tag				Description
		B477				Document printed as amended, third level of publication (e.g EPO 'B2')
			DATE			Publication date
			BNUM			Issue number of the Bulletin
48		B480				Date of issuance of corrected patent document
			DATE			Publication date
			BNUM			Issue number of the Bulletin
50		B500				Technical Data
		B510				International patent classification
			B516			Edition of IPC
51			B511			Main classification (IPCL)
51	R		B512			Further classification (OBSC)
	R		B513			Additional information. (NOSC)
	R		B514			Linked indexing code. (NOSC)
	R		B515			Unlinked indexing code. (NOSC)
			B517EP			Non obligatory supplementary classification as one string. (NOSC)
54		B540				Title
	R					Language and text
			B541			Language of the title
			B542			Title of the invention
56		B560				List of prior art documents
	R		B561			Patent citation
	R		B562			Non patent citation
			B565EP	DATE		Date of drawing up and despatch of supplementary search report
			B566EP	DATE		Date of dispatch for correction to the search report
		B590				Information about specifications and drawings
			B598			Figure number on first (title) page, abstract drawing
60		B600				References to other legally or procedurally related domestic patent documents

INID code	Rep Tag	Bibliographic tag				Description
61		B610				Earlier document information
		PARENT				Parent relation
			PDOC			Earlier document data
				DNUM		Document number
					ANUM	Application number
					PNUM	Publication number
				DATE		Date of receipt
60		B620				Parent application
		PARENT				Parent relation
	R		PDOC			Parent application data
				DNUM		Document number
					ANUM	Application number
					PNUM	Publication number
				DATE		Date of receipt
62		B620EP				Divisional application(s)
		PARENT				Parent relation
	R		CDOC			Divisional application data
				DNUM		Document number
					ANUM	Application number
					PNUM	Publication number
				DATE		Date of receipt
		B665				Patent correction information
			B666			Date of publication of the corrected document (date & kind)
				DATE		Date
				KIND		Kind
			B667			Type of correction
70		B700				Parties concerned with the document
71		B710				Applicants
	R		B711			Applicant data
				SNM		Name
				IID		EPO number of the Applicant

INID code	Rep Tag	Bibliographic tag				Description
				IRF		Reference from the Applicant
	R			SYN		Synonym cross reference for the Applicant
				ADR		Address
					STR	Street
					CITY	Town
					CTRY	Country code
				B716EP		Designated states for the applicant Used only when some of the designated states are mentioned
	R				CTRY	Country code
				B717EP		Designated extension for the applicant Used only when some of the extended states are mentioned
	R				CTRY	Country code
				B718EP	DATE	Effective date for transfer of rights
72		B720				Inventors
	R		B721			Inventor data
				SNM		Name
				ADR		Address
					STR	Street
					CITY	Town
					CTRY	Country code
				B725EP		The inventor has agreed to waive his entitlement to designation
73		B730				Grantees
	R		B730			Grantees data
				SNM		Name
				IID		EPO number of the Grantee
				IRF		Reference from the Grantee
	R			SYN		Synonym cross reference for the Grantee
				ADR		Address
					STR	Street
					CITY	Town

INID code	Rep Tag	Bibliographic tag				Description
					CTRY	Country code
				B736EP		Designated states for the grantee Used only when some of the designated states are mentioned
	R				CTRY	Country code
				B737EP		Designated extension for the grantee Used only when some of the extended states are mentioned
	R				CTRY	Country code
				B738EP	DATE	Effective date for transfer of rights
74		B740				Attorney/agent of the applicant(s)
	R		B741			Attorney/agent data
				SNM		Name
				SFX		Suffix 'et al'
				IID		EPO number of the attorney/agent
				ADR		Address
					STR	Street
					CITY	Town
					CTRY	Country code
		B780				Opposition(s)
	R		B781			Opponent data
				DNUM		Serial number of the opposition
				DATE		Date of opposition
				KIND		Kind code of the result from the examination on admissibility
				SNM		Name
				IID		EPO number of the opponent
				ADR		Address
					STR	Street
					CITY	Town
					CTRY	Country code
				B784		Attorney/agent of the opponent
					SNM	Name
					SFX	Suffix 'et al'
					IID	EPO number of the attorney/agent

INID code	Rep Tag	Bibliographic tag				Description
					ADR	Address
					STR	Street
					CITY	Town
					CTRY	Country code
			B787	DATE		Date of rejection of the opposition procedure
			B788	DATE		Date of termination of the opposition procedure
		B790				Licence(s)
	R		B791			Licence data
				DNUM		Serial number of the licence
				DATE		Date of legal effect of the licence
				KIND		Kind of licence
					SNM	Name
					IID	EPO number of the licensee
					ADR	Address
					STR	Street
					CITY	Town
					CTRY	Country code
				B796		Designated states concerned
	R				CTRY	Country code
80		B800				International Convention Data
83		B830				Information concerning deposit of microorganisms
			B831			Deposit file number or Request for "expert solution"
84		B840				Designated contracting states
	R		CTRY			Country code
		B844EP				States to which the application/patent is extended
	R		B845EP			Extended state data
				CTRY		Country code
				DATE		Date of receipt of payment
				B846EP	DATE	Date of withdrawal

INID code	Rep Tag	Bibliographic tag			Description
86		B860			PCT application data
			B861		PCT date of filing & application number
				DNUM	PCT Document number
				ANUM	PCT Application number
				DATE	Date of filing
			B862		Filing language
87		B870			PCT publication data
			B871		PCT date, issue number & publication number
				DNUM	PCT Document number
				PNUM	PCT Publication number
				DATE	PCT Publication date
				BNUM	Issue number of the Gazette
88		B880			Publication of the search report
			DATE		Publication date
			BNUM		Issue number of the Bulletin

Note: "R" in third column (Rep. tag) means that the tag may be repeated.

6.2 Item description and general considerations

6.2.1 Dates are stored in 8 bytes. The format is always `yyyymmdd`. The date is preceded by the `<DATE>` tag.

6.2.2 The issue number of the Bulletin is stored in 6 bytes in. The format is `yyyynn`. The issue number is preceded by the `<BNUM>` tag.

6.2.3 The values used to code country, state or language code fields are according to the Standard ISO/R 639-1967(F). The country code is preceded by the `<CTRY>` tag.

6.2.4 Each main tag or group tag is closed by an 'end tag' i.e. the 'start tag' with a slash character `</...>`.

Example:

```
,   <B110> ... data ... </B110>  
,   <B450><DATE> ... data ... <BNUM> ... data ... </B450>
```

Example 1

6.2.5 For additions, replacements, or deletions the relevant data is contained between tags: **<BCHG DATE=yyyymmdd STATUS=x>** and **<ECHG>**

Where:

, 'yyyymmdd' is the date on which the data was changed

, 'x' is the status of the change. The values, currently used by EPO, are:

N : New data

R : Replacement of data

D : Deletion of data

A complete situation of the new data is presented and will replace the existing set.

Example:

```
<B450>
<BCHG DATE=19950503 STATUS=R>
    <DATE>yyyymmdd
    <BNUM>yyyynn
<ECHG>
</B450>
```

Example 2

Note: Where the change indicates a deletion it is not possible to include the data that has been deleted - this may be possible in future versions of the EBD file.

6.2.6 In addition to bibliographic tags other tags are possible; the only one used, so far, is the break tag **
** in the name and address area.

Example:

```
<ADR>
    <STR>The Lodge
    <BR>Harmondsworth Lane
    <BR>Harmondsworth
    <CITY>West Drayton
    <BR>Middlesex UB7 0LQ
    <CTRY>GB
</ADR>
```

Example 3

6.2.7 Some characters such as '& > < ß ó ú §' are coded as entity references:

```
'&' : '&amp;';
'>' : '&gt;';
'<' : '&lt;';
'ß' : '&szlig;';
'ó' : '&oacute;';
'ú' : '&uacute;';
'§' : '&sect;';
```

Example:

```
J.A. Kemp & Co. = J.A. Kemp & Co.
alpha &gt; beta = alpha > beta
```

Example 4

For a full list of all possible character entity references, see:
EPO document: "Character set and entity references": www.epoline.org.

6.2.8 Euro-PCT applications

WIPO sends application data to the EPO.

Later on these applications will be split into:

- ! Applications **not entering** the European phase because the application is deemed to be withdrawn. These are printed in the Bulletin in "Section I.2".
- ! Applications **entering** the European phase (Euro-PCT). But there are two categories:

- a. Applications for which EPO **does print** the A-document.

Currently EPO prints, after translation, applications which were filed in Russian, Japanese, Spanish and Chinese. These are printed in the Bulletin in Section I.1(2) together with the EP documents.

- b. Applications for which EPO **does not print** the A-document because the application was filed in one of the three official languages of the EPO (English, French or German). However, if the file goes forward for substantive examination, etc, the EPO may print the Patent Specification (B-document).

These are printed in the Bulletin in "Section I.1(1)".

The usage and contents of PATDOC (CY, DNUM), B110, B190, B003EP and B006EP tags for the cases above is shown in the table below.

Situation	CY	DNUM	B110	B190	B003EP	B006EP
Normal EPO publications These applications are printed in EPO Bulletin "Section I.1(2)".	EP	EPO publ number	EPO publ number	EP	Not used	Not used
WIPO publications with no EPO publication nr. and which are NOT entering the European phase . These applications are printed in the EPO Bulletin "Section I.2". Note: Tag <B237> contains the date when the application is deemed to be withdrawn.	W O	WIPO publ nr	WIPO publ nr	WO	Not used	9121
WIPO publications entering the European phase , (EURO PCT) and the EPO prints the A-document. These applications are printed in the EPO Bulletin "Section I.1(2)"	EP	EPO publ number	EPO publ number	EP	Not used	Not used
WIPO publications entering the European phase , (EURO PCT) and the EPO does not print the A-document. These applications are printed then in EPO Bulletin "Section I.1(1)".	EP	EPO publ number	EPO publ number	EP	* (asterisk)	Not used

Table 1. Usage & contents of PATDOC (CY, DNUM), B110, B190, B003EP & B006EP tags

6.2.9 A1/A2 new publication

PATDOC KIND=A1 or A2
PATDOC STATUS=N

Example:

```
<PATDOC FILE="92303043.1" CY=EP DNUM=0546653 KIND=A1
DATE=19941019 STATUS=N>
...
<B110>0546653</B110>
...
<B130>A1</B130>
...
<B430>
    <DATE>19941019
    <BNUM>199442
</B430>
```

Example 5: A1/A2 new publication

6.2.10 A1/A2 publication deleted

- ! PATDOC KIND =A1 or A2
- ! PATDOC STATUS=R
- ! B110 marked as deleted STATUS=D ie. Publication is deleted
- ! B130 marked as deleted STATUS=D.
- ! B430 marked as deleted STATUS=D.

Example:

```
<PATDOC FILE="92303043.1" CY=EP DNUM=0546653 KIND=A1
DATE=19941019 STATUS=R>
...
<B110>
<BCHG> DATE=19951110 STATUS=D >0546653<ECHG>
</B110>
...
<B130>
<BCHG> DATE=19951110 STATUS=D ><ECHG>
</B130>
...
<B430>
<BCHG> DATE=19951110 STATUS=D ><ECHG>
</B430>
```

Example 6: A1/A2 deleted

6.2.11 A3 publication deleted

- ! PATDOC KIND =A2
- ! PATDOC STATUS=R
- ! B880 marked as deleted STAUS=D

Example:

```
<PATDOC FILE="93108898.4" CY=EP DNUM=0576827 KIND=A2
DATE=19940126 STATUS=R>
...
<B880>
<BCHG DATE=19940126 STATUS=D>
<ECHG>
</B880>
...
```

Example 7: A3 publication deleted

6.2.12 B1 new publication

- ! PATDOC KIND =B1
- ! PATDOC STATUS=N

Example:

```
<PATDOC FILE="91402380.9" CY=EP DNUM=0475825 KIND=B1
DATE=19951114 STATUS=N>
...
<B130>B1
</B130>
...
<B450>
<DATE>19941114
<BNUM>199446
</B450>
...
```

Example 8: B1 new publication

6.2.13 B1 publication deleted

- ! PATDOC KIND=B1
- ! PATDOC STATUS=R
- ! B130 marked as changed STATUS=R.
- ! B450 marked as deleted STATUS=D.

```
<PATDOC FILE="91402380.9" CY=EP DNUM=0475825 KIND=B1
DATE=19951114 STATUS=R>
...
<B130>
<BCHG DATE=19950930 STATUS=R>A1
<ECHG>
</B130>
...
<B450>
<BCHG DATE=19950930 STATUS=D>
<ECHG>
</B450>
...
```

Example 9: B1 publication deleted

6.2.14 B2 new publication

- ! PATDOC KIND=B2
- ! PATDOC STATUS=N

```
<PATDOC FILE="83102188.6" CY=EP DNUM=0088414 KIND=B2
DATE=19951115 STATUS=N>
...
<B130>B2</B130>
...
<B450>
<DATE>19941117
<BNUM>199446
</B450>
...
<B477>
<DATE>19951115
<BNUM>199546
</B477>
...
```

Example 10: B2 new publication

6.2.15 B2 publication deleted

- ! PATDOC KIND=B2
- ! PATDOC STATUS=R
- ! B130 marked as changed STATUS=R.
- ! B477 marked as deleted STATUS=D.

```
<PATDOC FILE="83102188.6" CY=EP DNUM=0088414 KIND=B2  
DATE=19951129 STATUS=R>
```

```
...  
<B130>  
<BCHG DATE=19951015 STATUS=R>B1<ECHG>  
</B130>
```

```
...  
<B477>  
<BCHG DATE=19951015 STATUS=D><ECHG>  
</B477>
```

```
...
```

Example 11: B2 publication deleted

6.3 Corrections

- 6.3.1 Printed EP patent applications and patent specifications which have failed to pass the in-house quality assurance inspection, or are reported to be in error by external agencies, are subjected to a corrections procedure. It is estimated that, on average, ten documents per week are subjected to this procedure, about 0.5% of the total published documents.
- 6.3.2 At the request of PD 5.4 - Patent Information (EPIDOS), and based on a specification which is in accordance with WIPO ST.50: *Guidelines for Issuing corrections, alterations and supplements relating to patent information*, the EPO have implemented an automated corrections procedure.
- 6.3.3 The objectives of the procedure are: to have a centralised registration of documents requiring correction, to include the corrected documents in the weekly delivery of documents to the publishers and the subsequent dissemination of the corrected documents to external agencies.
- 6.3.4 The central registration is by means of a special coding (CORR) carried out by EPO staff in the European Patent Administration (EPASYS) database. This coding consists of '*correction items*' which detail the corrections being made and possible re-publication to be done.
- 6.3.5 The EBD file contains additional information concerning the corrections being made. These are specified in more detail below.
- 6.3.6 These additional tags have been created in conformance with the general architecture of WIPO ST.32: *Recommendation for the markup of Patent Documents using SGML*. Tag identifiers, where practicable, are related to the INID code on the front page of the printed document against which the data will be published. It is intended that these new tags will be incorporated into any future version of ST.32.
- 6.3.7 To avoid confusion with normal *changes* to bibliographic items, which are indicated by the <BCHG> and <ECHG> tags, and which are already a regular feature of the EBD file, the bibliographic data of the corrected documents will have a <PATDOC> tag with the new STATUS=**C** and the actual corrections indicated by the SGML tags. <BCHG> and <ECHG> tags within the corrected documents bibliographic data will **not** be used.

6.3.8 SGML coding of correction items

6.3.8.1 Proposed extensions to ST.32 DTD

```

<!ELEMENT B100 - - B110,B120?,B130,B131EP?,B132EP?,B133EP?,
B140,B150?,B190,B195?)

<!ELEMENT B132EP - o (#PCDATA) -- Original kind code -->
<!ELEMENT B133EP - o (#PCDATA) -- New kind code -->

<!ELEMENT B150 - - (B151EP,B152EP?,B153EP?,B154EP?,B155EP?)
-- Pat. correction info. -->

<!ELEMENT B151EP - o (#PCDATA) -- Supplementary correction code -->
<!ELEMENT B152EP - o (date) -- Issue date of announced correction
being cancelled -->
<!ELEMENT B153EP - o (#PCDATA) -- Affected INID codes -->
<!ELEMENT B154EP - - (B1541EP,B1542EP)+ -- Standard notes -->

<!ELEMENT B1541EP - o (#PCDATA) -- Language of note -->
<!ELEMENT B1542EP - o (#PCDATA) -- Note text -->
<!ELEMENT B155EP - - (B1551EP,B1552EP)+ -- Affected parts -->
<!ELEMENT B1551EP - o (#PCDATA) -- Language -->
<!ELEMENT B1552EP - o (#PCDATA) -- Part text -->

<!ELEMENT B480 - - (%doc;) -- Corrigendum issued -->

```

Note. Tags in **bold** are the proposed extensions to ST.32.

See also the tag descriptions below at B130, B150 (for examples) and B480.

7 SGML tags: detailed description

7.1 <PATDOC>: Patent document

Data is delimited by the tags:

```
<PATDOC>  
</PATDOC>
```

Every EP Application/Patent document begins and ends with these tags. The start tag contains the following attributes in this order:

FILE=	Application number with check digit in double quotes
CY=	Publishing country or organisation
DNUM=	Number of the document, (EPO or WIPO publication number). Same value as <B110>
KIND=	Kind of document. Same value as <B130>. unless <B130> has a <BCHG ... STATUS=R> coding.
DATE=	Document date, usually date of publication. Format is yyyyymmdd
STATUS=	Status of the application. The current values used are: N : New publication e.g. A1, A2, B1 or B2 published for the first time. R : Replacement of data for an application already published. D : Deletion of an application already published (not used to date) C : Correction

Example:

```
<PATDOC FILE="84113170.9" CY=EP DNUM=0144726 KIND=B2  
DATE=19950524 STATUS=N>
```

Example 12: Patent document tag

7.2 <SDOBI>: Sub-document for bibliographic data

All bibliographic tags are contained between these two tags:

```
<SDOBI>  
</SDOBI>
```

The start tag contains the following attribute:

LA= Publication language. Same value as <B260>.

Example:

```
<SDOBI LA=E>
```

Example 13: SDOBI tag

7.3 <BCHG> : Beginning of change

The BCHG tag follows the tag within which the data has been changed. It indicates the beginning of change. When the STATUS attribute contains 'O' (letter O), it indicates the original data.

Required attributes:

DATE= Indicates the date (format `yyyymmdd`) on which the data was changed. When the STATUS attribute contains 'O', this date is the latest publication date when the changed data was published.

STATUS= Indicates the status of the change, the value of this attribute has been left open but currently the following codes are used:

- ! N = New data
- ! R = Replaced data
- ! D = Deleted data
- ! O = Original data (**not yet used**)

Optional attribute:

BNUM= Indicates bulletin, register or gazette publication week in which the change was notified (format `yyynnn` i.e. year and week of publication).

7.4 <ECHG> : End of change

The ECHG tag indicates end of change. It is an 'empty' tag.

Required attributes : None

Note: For reasons in relation to the DTD (Document Type Definition), and parsing the data content, a decision was made to have a rather simple tag structure and not, for example, have an end <BCHG> tag.

**7.5
 : Line break**

This tag indicates a line break. It is mainly used in names and addresses.

7.6 <B000>: Office specific system/file information

All tags beginning with 'B0' are included between these two tags:

```
<B000>  
</B000>
```

7.6.1 <EPTAGS>: EPO specific tags

Tags with the pattern 'B0nnEP' are included between these two tags:

```
<EPTAGS>  
</EPTAGS>
```

7.6.2 <B001EP>: Selective mask for states involved

Mask for a selection on a particular state involved either by designation or extension. It contains all the states involved in the **previously published** situation as well as the **current** situation.

Every state has a fixed position within the mask reflecting the country code if the state has been mentioned, otherwise, if not present, it contains two dots (EBCDIC x'4B4B').

Position	Ctry code	Country name
01-02	AT	Austria
03-04	BE	Belgium
05-06	CH	Switzerland
07-08	DE	Germany
09-10	DK	Denmark
11-12	ES	Spain
13-14	FR	France
15-16	GB	United Kingdom
17-18	GR	Greece
19-20	IT	Italy
21-22	LI	Liechtenstein
23-24	LU	Luxembourg
25-26	NL	Netherlands
27-28	SE	Sweden
29-30	MC	Monaco
31-32	PT	Portugal
33-34	IE	Ireland
35-36	SI	Slovenia
37-38	LT	Lithuania
39-40	LV	Latvia
41-42	FI	Finland
43-44	RO	Romania
45-46	MK	Macedonia
47-48	CY	Cyprus
49-50	AL	Albania
51-52	TR	Turkey
53-80		Reserved

Note: The states codes stored in this tag are not necessarily the same state codes as in tag <B840> 'Designated contracting states'; eg. when a state has been deleted, the tag <B840> contains the new situation of the Designated contracting states, however tag <B001EP> still contains the states codes from the **previous** publication week.

Example:

```
<B001EP>...BE..DE....FRGB..IT....NLSE.....</B001EP>
...
<B840><BCHG DATE=19960117 STATUS=R>
    <CTRY>DE
    <CTRY>FR
    <CTRY>IT
<ECHG>
</B840>
```

Example 14: Selective mask for states involved

Note: The states BE, FR, GB, NL & SE have been deleted. However tag <B001EP> still contains the country codes from the previous publication week.

7.6.3 <B002EP>: Changed tags

This tag contains all the changed tags ie. all tags where the corresponding data is between tags <BCHG> and <ECHG>. It has been created to aid processing and to identify all change areas; otherwise it can be ignored since it duplicates information within the file.

Each 'changed' tag is followed by an equal sign (x'7E') and the value stored in the <BCHG> attribute 'STATUS='. Each occurrence is separated by a space (x'40').

Example:

```
<B002EP>
B242=N B510=R B540=R B710=R B720=R B880=D
</B002EP>
```

Example 15: Changed tags

7.6.4 <B003EP>: Indicator 'no A-document published by EPO'

Data is delimited by the tags:

```
<B003EP>
</B003EP>
```

This field contains an '*' (asterisk) for the EURO-PCT applications for which no A-document has been published by the EPO.

7.6.5 <B004EP>: Re-establishment of rights indicator

Data is delimited by the tags:

```
<B004EP>  
</B004EP>
```

It contains the code of the decision after a request for re-establishment of rights.

The values used by the EPO are:

2 : Request not accepted
3 : Request accepted

Note: Used together with <B238>.

7.6.6 <B005EP>: Printer identification

Data is delimited by the tags:

```
<B005EP>  
</B005EP>
```

7.6.7 <B006EP>: Indicator for international applications

This tag identifies the type of International applications. The values used by the EPO are:

9120 : Entering the European phase
9121 : Not Entering the European phase

7.6.8 <B007EP>: Reserved for EPO internal use

This tag is reserved for EPO internal use.

7.6.9 <B008EP>: Indicator for "small changes"

This tag identifies "small changes" which are actually not printed in the EPO Bulletin such as removing the country code in the postcode. Currently and when present it contains the value 8.

7.6.10 <B009EP>: Text from B725EP tag in the three EPO official languages"

This tag will contain the text stored in tag <B725EP> in EPO official languages ie. German, English and French to print in the EPO Bulletin. See Tag <B720>.

The text language order is German, English and French. The German and English text are followed by a **
** tag (Line break).

Example:

```
<B009EP>
Der weitere Erfinder hat auf seine Nennung verzichtet<BR>
The other inventor has agreed to waive his entitlement to designation<BR>
L'autre inventeur a renoncé à sa désignation
</B009EP>
```

Example 16: Text from **<B725EP>** tag in the three EPO official languages

7.6.11 **<B010EP>**: Other rights and legal means of execution

Data is delimited by the tags:

```
<B010EP>
  <B011EP>
    <DATE>      Date of notification
    <DNUM>      Serial number of the legal right
    <CTRY>      Country code (States concerned)
  </B011EP>
</B010EP>
```

Example:

```
<B010EP><BCHG DATE=19950503 STATUS=N>
  <B011EP>
    <DATE>19950206
    <DNUM>01
    <CTRY>AT
    <CTRY>BE
    <CTRY>CH
    <CTRY>DE
  <ECHG>
</B010EP>
```

Example 17: Other rights and legal means of execution

7.6.12 <B050EP>: Free text

Data is delimited by the tags:

```
<B050EP>
  <B051EP> Language
    The values used are:
    DE : German text
    EN : English text
    FR : French text
  <B052EP> Free Text
</B050EP>
```

Example:

```
<B050EP>
  <B051EP>DE
  <B052EP>Verfahren abgeschlossen infolge Verbindung ...
  <B051EP>EN
  <B052EP>Proceedings concluded following consolidation with...
  <B051EP>FR
  <B052EP>Procédure close par suite de la jonction avec ...
</B050EP>
```

Example **18**: Free text

7.6.13 <B053EP>: Additional remarks

Data is delimited by the tags:

```
<B053EP> Additional remarks </B053EP>
```

Example:

```
<PATDOC FILE="96105590.2" CY=EP DNUM=0801063 KIND=A1
DATE=19971015 STATUS=N>
...
<B053EP>A request for correction of the description and the claims has been filed
pursuant to Rule 88 EPC. A decision on the request will be taken during the
proceedings before the Examining Division (Guidelines for Examination in the EPO,
A-V, 3.)
</B053EP>
```

Example **19**: Additional remarks

7.6.14 <B070EP>: B publication technical field (subsequently filed technical information)

Data is delimited by the tags:

```
<B070EP>
</B070EP>
```

Example:

```
<PATDOC FILE="94102511.6" CY=EP DNUM=0616809 KIND=B1
DATE=19960925
STATUS=N>
...
<B070EP>The file contains technical information submitted after the application
was filed and not included in this specification
</B070EP>
```

Example 20: B publication technical information

7.6.15 <B078EP>: Date of 'No opposition filed'

Data is delimited by the tags:

```
<B078EP>
  <DATE>
</B078EP>
```

7.6.16 <B080EP>: Public notification

Data is delimited by the tags:

```
<B080EP>
  <B081EP>Inspection place
    Code Meaning
    1    The Hague
    2    Munich
    3    Berlin
  <B082EP>Addressee
    <SNM>Name
    <IID>EPO number
    <ADR>Address
      <STR>Street
      <CITY>City, town
      <CTRY>Country code
    </ADR>
  <B083EP>Free text
</B080EP>
```

Example:

```
<B080EP>  
<BCHG DATE=19990906 STATUS=N>  
<B081EP>1  
<B082EP>  
<SNM>SMITH, J.  
...  
</B082EP>  
<B083EP>COMMUNICATION PURSUANT TO RULE 85A(1) EPC  
<ECHG>  
</B080EP>
```

Example **21**: Public notification

7.7 <B100>: Document identification

Tags beginning with 'B1' are included between these two tags: <B100> </B100>

7.7.1 <B110>: Number of the document, (EPO or WIPO publication number)

Data is delimited by the tags:

```
<B110>  
</B110>
```

7.7.2 <B120>: Plain language designation

Data is delimited by the tags:

```
<B120>  
  <B121>Plain language designation of the kind of document</B121>  
  <B121EP>Descriptive text for B121 (EPO)</B121EP>  
</B120>
```

The data contained in the tags depends on contents of tag <'B260> - publication language - e.g. for code 'En' tag <B121> will contain 'European Patent Application'

7.7.3 <B130>: Kind of document

Data is delimited by the tags:

```
<B130>  
</B130>
```

The values used by the EPO are:

- A1 Application published **with** search report
- A2 Application published **without** search report
- A3 Separate publication of the search report

- A8 Correction - reprint of the title page of an A-document
- A9 Correction - complete reprint of an A-document

- B1 Granted patent
- B2 Amended patent

- B8 Correction - reprint of the title page of a B-document
- B9 Correction - complete reprint of a B-document

7.7.4 <B132EP>: Original kind code

Data is delimited by the tags:

```
<B132EP>  
</B132EP>
```

The values used by the EPO are:

A1 Application published **with** search report
A2 Application published **without** search report
A3 Separate publication of the search report

B1 Granted patent
B2 Amended patent

Only used within correction files (STATUS=C). See <B150> for examples.

7.7.5 <B133EP>: New kind code

Data is delimited by the tags:

```
<B133EP>  
</B133EP>
```

The values used by the EPO are:

A1 Application published **with** search report
A2 Application published **without** search report
A3 Separate publication of the search report

B1 Granted patent
B2 Amended patent

Only used within correction files (STATUS=C). See <B150> for examples.

7.7.6 <B140>: Document date, usually date of publication

Data is delimited by the tags:

```
<B140>  
    <DATE>  
</B140>
```

Date when the data for this document is published.

7.7.7 <B150>: Patent correction information

Data is delimited by the tags:

<B150>

<B151EP>Supplementary correction code

The values used by the EPO are:

DL - Deletion (cancellation) of a previously announced correction

YF - Replacement of electronic file (no reprint will be made, only electronic data is changed)

Wn - Reprint required - n = the Nth reprint.

</B151EP>

<B152EP><DATE>Issue date of announced correction being cancelled

</B152EP>

<B153EP>Affected INID codes

<B154EP>Standard notes

<B1541EP>Note language

<B1542EP>Note text

</B154EP>

<B155EP>Affected parts of document

<B1551EP>Part language

<B1552EP>Part text

</B155EP>

</B150>

This is an example where the kind code for the publication has been changed from the original publication (A1) to the corrected publication (A2).

```
<PATDOC FILE="95101747.4" CY=EP DNUM=0672660 KIND=A8 DATE=19971126 STATUS=C>
<SDOBI LA=E>
<B121>CORRECTED EUROPEAN PATENT APPLICATION
<B130>A8</B130>                               Code of reprint (11/13)
<B132EP>A1                                       Original kind code (15)
<B133EP>A2                                       New kind code (15)
<B150>                                           Correction information. (15)
<B151EP>W1</B151EP>                             Supplementary correction code. (15)
<B153EP>11 13</B153EP>                         Affected INID codes. (15)
<B154EP>                                           Standard notes. (15)
<B1541EP>DE                                       Language
<B1542EP>Korrigerter Dokumentart-Code          Note text
<B1541EP>EN                                       Language
<B1542EP>Corrected Kind of Document code      Note text
<B1541EP>FR                                       Language
<B1542EP>Code du type de document corrigé     Note text
</B154EP>
<B155EP>                                           Affected parts
<B1551EP>DE                                       Language
<B1552EP>Bibliographie                          Part text
<B1551EP>EN                                       Language
<B1552EP>Bibliography                          Part text
<B1551EP>FR                                       Language
<B1552EP>Bibliographie                          Part text
</B155EP>
</B150>
<B210>95101747.4                               Application number (21)
<B430>
<DATE>19910731                                  Date of original publication. (43)
<BNUM>199131                                   Bulletin number where announced.
</B430>
<B480> Corrigendum issued. (48)
<DATE>19971126                                  Date of publication of correction.
<BNUM>199742                                   Bulletin number where announced.
</B480>
```

Example 22: Example of SGML markup for a title page reprint

Note. *Italic numbers* in brackets indicate the INID codes under which these items will appear on the title page.

```

<PATDOC FILE="95101748.2" CY=EP DNUM=0672663 KIND=A8 DATE=19971203 STATUS=C>
<SDOBI LA=D>
<B121>KORRIGIERTE EUROPÄISCHE PATENTANMELDUNG
<B130>A8</B130>           Code of reprint (11/13)
<B132EP>A1                Original kind code (15)
<B150>                    Correction information. (15)
<B151EP>DL</B151EP>      Supplementary correction code. (15)
<B152EP><DATE>19971126</DATE></B151EP> Issue date of announced correction being
                                                cancelled (15)

<B154EP>                    Standard notes. (15)
<B1541EP>DE                                     Language
<B1542EP>Die für dieses Datum gemeldete Korrektur entfällt Note text
<B1541EP>EN                                     Language
<B1542EP>The correction forseen for this date is cancelled Note text
<B1541EP>FR                                     Language
<B1542EP>La correction annoncée pour cette date est annulée Note text
</B154EP>
</B150>
<B210>95101748.2   Application number (21)
<B430>
<DATE>19910731     Date of original publication. (43)
<BNUM>199131       Bulletin number where announced.
</B430>
<B480>            Corrigendum issued. (48)
<DATE>19971203    Date of publication of correction.
<BNUM>199743       Bulletin number where announced.
</B480>

```

Example 23: A previously announced correction is being cancelled.

```

<PATDOC FILE="95101882.3" CY=EP DNUM=0672750 KIND=A9 DATE=19971203 STATUS=C>
<SDOBI LA=F>
<B121>DEMANDE DE BREVET EUROPEEN CORRIGEE
<B130>A9</B130>           Code of reprint (see the note below)
<B132EP>A1                Original kind code
<B150>                    Correction information.
<B151EP>YF</B151EP>      Supplementary correction code.
</B150>
<B210>95101882.3   Application number
<B430>
<DATE>19960731     Date of original publication.
<BNUM>199631       Bulletin number where announced.
</B430>
<B480>            Corrigendum issued.
<DATE>19971203    Date of publication of correction.
<BNUM>199743       Bulletin number where announced.
</B480>

```

Note: Although the *code of reprint* **A9** is given, indicating a reprint of the entire document, the *supplementary correction code* **YF** indicates to the publisher that only the electronic file is to be reprocessed and no reprint done.

Example 24: SGML markup for correction of electronic file only

7.7.8 <B190>: Publishing country or organisation

Data is delimited by the tags:

<B190>
</B190>

Country or organisation which actually publishes the document. The values used by EPO are:

EP European Patent Office.
WO WIPO

7.8 <B200>: Domestic filing data

Tags beginning with 'B2' are included between these two tags: <B200> </B200>

7.8.1 <B210>: Number assigned to the application (EPO number)

Data is delimited by the tags:

```
<B210>
</B210>
```

Number assigned by the EPO or National Office when the application is first filed. The number is stored as 'YYXXNNNN.P' where:

YY = Year of application

Note: For 2000 it will become 00, care should be taken with any sort programs based on this number.

XX = Place of application; that is:

00	<i>epoline</i> online filing	57	Vitoria (Autonomous Community Basque Country)
10	Munich, EPO	60	Athens, Organismos Biomichanikis Idioktiasias (OBI)
20	The Hague, EPO (branch)	61	Taastrup, Patentdirektoratet
25	Berlin, EPO (sub-office)	63	Luxembourg, Service de la propriété intellectuelle (Ministère de l'économie et des classes moyennes)
30	Newport and London, The (UK) Patent Office	64	Monaco, Direction du Commerce, de l'Industrie et de la Propriété Industrielle
40	Paris, Institut national de la propriété industrielle (INPI)	65	Dublin, The (Irish) Patents Office
41	Grenoble, INPI (regional office)	67	Lisbon, Instituto Nacional da Propriedade Industrial (INPI)
42	Lyon, INPI (regional office)	71	Munich, Deutsches Patentamt (DPA)
43	Marseille, INPI (regional office)	72	The Hague, Octrooiraad
44	Strasbourg, INPI (regional office)	73	Berlin, DPA (Berlin Annex)
45	Bordeaux, INPI (regional office)	81	Berne, Bundesamt für geistiges Eigentum (BAGE)
46	Rennes, INPI (regional office)	83	Rome, Ufficio Centrale Brevetti
47	Nancy, INPI (regional office)	85	Stockholm, Kungl. Patent- och registreringsverket
48	Nice, INPI (regional office)	87	Brussels, Service de la propriété industrielle et commerciale (Ministère des affaires économiques)
49	Lille, INPI (regional office)	89	Vienna, Österreichisches Patentamt
50	Madrid, Oficina Espanola de Patentes y Marcas		
51	Barcelona (Autonomous Community Catalonia)		
52	Seville (Autonomous Community Andalusia)		
53	Tenerife (Autonomous Community Canary Islands)		
54	Santiago de Compostela (Autonomous Community Galicia)		
55	Pamplona (Autonomous Community Navarra)		
56	Valencia (Autonomous Community Valencia)		

NNNN = Number
P = Check digit

7.8.2 <B220>: Application filing date

Data is delimited by the tags:

```
<B220>  
    <DATE>  
</B220>
```

Date when the application was filed.

7.8.3 <B235>: Date of refusal of application

Data is delimited by the tags:

```
<B235>  
    <DATE>  
</B235>
```

7.8.4 <B236>: Date of withdrawal of application

Data is delimited by the tags:

```
<B236>  
    <DATE>  
</B236>
```

7.8.5 <B237>: Date of application deemed withdrawn

Data is delimited by the tags:

```
<B237>  
    <DATE>  
</B237>
```

7.8.6 <B238EP>: Date of receipt of request for re-establishment of rights

Data is delimited by the tags:

```
<B238EP>  
    <DATE>  
</B238EP>
```

7.8.7 <B238>: Date of decision for re-establishment of rights

Data is delimited by the tags:

```
<B238>  
    <DATE>  
</B238>
```

Note: Used together with tag <B004EP>

7.8.8 <B239>: Date of revocation

Data is delimited by the tags:

```
<B239>  
    <DATE>  
</B239>
```

7.8.9 <B241>: Date of request for examination

Data is delimited by the tags:

```
<B241>  
    <DATE>  
</B241>
```

7.8.10 <B242>: Date of despatch of the first examination report

Data is delimited by the tags:

```
<B242>  
    <DATE>  
</B242>
```

7.8.11 <B243>: Date of 'patent maintained as amended'

Data is delimited by the tags:

```
<B243>  
    <DATE>  
</B243>
```

7.8.12 <B244>: Request for conversion (to national application) under EPC Article 135²

Data is delimited by the tags:

```
<B244>
  <DATE>    Date of the request for conversion to national application
  <CTRY>    Country code (States concerned)
</B244>
```

Example:

```
<B244>
  <DATE>19940221
  <CTRY>DE
  <CTRY>ES
  <CTRY>IT
</B244>
```

Example 25: Request for conversion under Article 135

7.8.13 <B245>: Date of suspension (Rule 13) / Interruption (Rule 90) of proceedings

Data is delimited by the tags:

```
<B245>
  <DATE>
</B245>
```

Note: Used together with tag <B245EP>

²Article 135 - Request for the application of national procedure:

- (1) The central industrial property office of a designated Contracting State shall apply the procedure for the grant of a national patent only at the request of the applicant for or proprietor of a European patent, and in the following circumstances:
 - (a) when the European patent application is deemed to be withdrawn pursuant to Article 77, paragraph 5, or Article 162, paragraph 4;
 - (b) in such other cases as are provided for by the national law in which the European patent application is refused or withdrawn or deemed to be withdrawn, or the European patent is revoked under this Convention.
- (2) The request for conversion shall be filed within three months after the European patent application has been withdrawn or after notification has been made that the application is deemed to be withdrawn, or after a decision has been notified refusing the application or revoking the European patent. The effect referred to in Article 66 shall lapse if the request is not filed in due time.

7.8.14 <B245EP>: Suspension/Interruption indicator

Data is delimited by the tags:

```
<B245EP>  
</B245EP>
```

Indicates the type of suspension or Interruption. The values used by EPO are, according to EPC rules,:

- 1 Suspension (Rule 13)
- 2 Applicant died (Rule 90(1)(a))
- 3 Legal incapacity of applicant (Rule 90(1)(a))
- 4 Legal prevention (Rule 90(1)(b))
- 5 Representative died (Rule 90(1)(c))
- 6 Legal incapacity of representative (Rule 90(1)(c))

Examples:

1. Date of suspension (Rule 13) :

```
<B245><DATE>19880916  
<B245EP>1
```

2. Date of interruption (Rule 90) :

```
<B245><DATE>19880916  
<B245EP>2
```

Example 26: Date of suspension (Rule 13) / Interruption (Rule 90) of proceedings

Note: Used together with tag <B245> and/or <B246>

7.8.15 <B246>: Date of resumption of proceedings (Rule 13 / Rule 90)

Data is delimited by the tags:

```
<B246>  
    <DATE>  
</B246>
```

Examples:

1. Date of resumption (Rule 13) :

```
<B245EP>1  
<B246><DATE>19890916
```

2. Date of resumption (Rule 90)

```
<B245EP>2  
<B246><DATE>19890916
```

Example 27: Date of resumption of proceedings (Rule 13 / Rule 90)

Note: Used together with tag <B245> and/or <B246>

7.8.16 <B250>: Filing language

Data is delimited by the tags:

```
<B250>  
</B250>
```

It contains the language code in which the application was **originally** filed e.g. :

De	German
En	English
Fr	French
Ja	Japanese
	etc.

7.8.17 <B251EP>: Procedure language

Data is delimited by the tags:

```
<B251EP>  
</B251EP>
```

Content: En, Fr or De

Note: **Under EPC Article 14, (3):** “The official language of the European Patent Office in which the European patent application is filed or, in the case referred to in paragraph 2, that of the translation, shall be used as the language of the proceedings in all proceedings before the European Patent Office concerning the application or the resulting patent, unless otherwise provided in the Implementing Regulations.”

7.8.18 <B260>: Publication language

Data is delimited by the tags:

<B260>

</B260>

Language in which the Application/Patent has to be published. Currently, EPO uses the follow languages :

Fr French

En English

De German

7.9 <B300>: Priority data

Data is delimited by the tags:

```
<B300>
  <B310>Number</B310>
  <B320><DATE>Date</B320>
  <B330><CTRY>Country in which the priority application was filed</B330>
</B300>
```

Remarks:

- , For a PCT priority the tag <B330> contains the code WO and the format of the priority number, <B310>, is PCT/xxyy/n where:
 - xx Original country
 - yy Year
 - n Variable length priority number
- , There is no tag to mark the beginning of the repeatable group for tags <B310>, <B320> and <B330>. However these tags are always presented in the same sequence.
- , In respect to year 2000 compliance the EPO generally relies on the priority number - <B310> - given by the issuing office which may or may not be year 2000 compliant.

Examples:

```
<B300>
<B310>245433</B310><B320><DATE>19880916</B320><B330><CTRY>US</B330>
<B310>324870</B310><B320><DATE>19890317</B320><B330><CTRY>US</B330>
<B310>245619</B310><B320><DATE>19880916</B320><B330><CTRY>US</B330>
<B310>PCT/SE93/00234</B310><B320><DATE>19930927</B320><B330><CTRY>W
O</B330>
</B300>
```

Example 28: Priority data

```
<B300><BCHG DATE=19950503 STATUS=R>
<B310>245433</B310><B320><DATE>19880916</B320><B330><CTRY>US</B330>
<B310>324870</B310><B320><DATE>19890317</B320><B330><CTRY>US</B330>
<B310>245619</B310><B320><DATE>19880916</B320><B330><CTRY>US</B330>
<B310>249934</B310><B320><DATE>19880927</B320><B330><CTRY>US</B330>
<ECHG>
</B300>
```

Example 29: Priority data - Replacement

```
<B300><BCHG DATE=19950503 STATUS=D><ECHG>  
</B300>
```

Example **30**: Priority data - Deletion

7.10 <B400>: Public availability dates

Tags beginning with 'B4' are included between these two tags: <B400> </B400>

7.10.1 <B405>: Patent bulletin / gazette information

Data is delimited by the tags:

```
<B405>  
  <DATE>Publication date  
  <BNUM>Issue number of the Bulletin  
</B405>
```

Date when the EPO Bulletin is actually published and the corresponding issue number.

Example:

```
<B405>  
  <DATE>19940302  
  <BNUM>199409  
</B405>
```

Figure **31**: Patent bulletin / gazette information

7.10.2 <B430>: Unexamined document without grant (first publication)

Data is delimited by the tags:

```
<B430>  
    <DATE>Publication date  
    <BNUM>Issue number of the Bulletin  
</B430>
```

Date of publication of application (A1, A2) and issue number of the EPO Bulletin in which the first publication of the application is mentioned.

Example:

```
<B430>  
    <DATE>19940302  
    <BNUM>199409  
</B430>
```

Example 32: Unexamined document without grant (first publication)

7.10.3 <B450>: Document with grant (second publication)

Data is delimited by the tags:

```
<B450>  
    <DATE>Publication date  
    <BNUM>Issue number of the Bulletin  
</B450>
```

Date of publication of specification (B1) and the issue of the EPO Bulletin in which the mention of the grant is published.

7.10.4 <B451EP>: Date of announcement of intention to grant

Date of announcement of intention to grant a patent. (Communication pursuant to Rule 51(4) EPC)³

Data is delimited by the tags:

```
<B451EP>
  <DATE>
</B451EP>
```

7.10.5 <B477>: Document printed as amended, third level of publication (e.g. EPO 'B2')

Data is delimited by the tags:

```
<B477>
  <DATE>Publication date
  <BNUM>Issue number of the Bulletin
</B477>
```

Date of publication (B2) and issue number of the EPO Bulletin in which the mention of the document printed as amended is published.

7.10.6 <B472>: Term of grant

Data is delimited by the tags:

```
<B472>
  <B475>Lapse of a patent
    <DATE>Date of lapse
    <CTRY>Country code
  </B475>
</B472>
```

In the EBD file this data can take two formats, depending on the time the record was created, for the backfile there is, generally, no change tag.

Examples:

³ **EPC Rule 51,(4):** Before the Examining Division decides to grant the European patent, it shall inform the applicant of the text in which it intends to grant it and shall request him to indicate, within a period to be set by it which may not be less than two months or more than four months, his approval of the text notified. The period shall be extended once by a maximum of two months provided the applicant so requests before it expires.

```
<PATDOC FILE="92101334.8" CY=EP DNUM=0497264 KIND=B2
DATE=19970820 STATUS=N>
...
<B472>
  <B475>
    <DATE>19950315
    <CTRY>BE
    <DATE>19950615
    <CTRY>SE
  </B475>
</B472>
```

Figure 33: Lapse of patent - case 1

```
<B472>
  <B475><BCHG DATE=19950503 STATUS=N>
    <DATE>19870708
    <CTRY>CH
    <DATE>19870708
    <CTRY>LI
    <DATE>19920428
    <CTRY>SE
  <ECHG>
  </B475>
</B472>
```

Example 34: Lapse of a patent - New

```
<B472>
  <B475><BCHG DATE=19950503 STATUS=R>
    <DATE>19870708
    <CTRY>CH
    <DATE>19920428
    <CTRY>SE
  <ECHG>
  </B475>
</B472>
```

Example 35: Lapse of a patent - Replacement

```
<B472>
  <B475><BCHG DATE=19950503 STATUS=D>
    <DATE><CTRY>
    <ECHG>
  </B475>
</B472>
```

Figure 36: Lapse of a patent - Deletion

7.10.7 <B480>: Corrigendum issued data

Data is delimited by the tags:

```
<B480>
  <DATE>Date of publication of correction
  <BNUM>Bulletin number where announced
</B480>
```

See tag <B150> for examples.

7.11 <B500>: Technical Data

Tags beginning with 'B5' are included between these two tags: <B500> </B500>

7.11.1 <B510>: International Patent Classification (IPC)

Data is delimited by the tags:

```

<B510>
  <B516>      Edition of IPC
  <B511>      Main classification. (IPCL)
  <B512>      Further classification. (OBSC)
  <B513>      Additional information. (NOSC)
  <B514>      Linked indexing code. (NOSC)
  <B515>      Unlinked indexing code. (NOSC)
  <B517EP>    Non obligatory supplementary classification as one string. (NOSC)
</B510>

```

The tag <B511> contains the main classification (IPCL) of the application.

OBSC = OBLigatory Supplementary Classification

NOSC = Non Obligatory Supplementary Classification

The structure is according to WIPO Standard ST.8, "Recording of international patent classification (IPC)".

For further details refer to the "International Patent Classification" manual of WIPO.

The 18 positions of the classification code are structured as follows:

Position	Content
1	Blank (for future use)
2	IPC edition used. Currently value '6' is used.
3	Section
4	Blank (for future use)
5,6	Class
7	Subclass
8	Blank (for future use)
9 to 11	Group (right adjusted)
12	Separating character
13 to 17	Subgroup (left adjusted)
18	Qualifying character

Examples:

```
<B510>
  <B516>6
  <B511>G6B G29C G47/10 G G A
  <B512>G6B G29C G47/02 G G B
  <B512>G6B G29C G47/40 G G B
  <B512>G6B G29C G47/50 G G B
  <B512>G6B G29C G47/64 G G B
  <B512>G6B G29C G47/68 G G B
  <B512>G6B G29B G G7/48 G G B
  <B512>G6C G09J G G7/02 G G B
  <B513>G6B G29K G105/24 G G -
  <B517EP>// B29K105/24
</B510>
```

Example 37: International patent classification

```
<B510><BCHG DATE=19950503 STATUS=R>
  <B516>6
  <B511>G6C G07D G471/04 G G A
  <B512>G6A G61K G G31/44 G G B
  <B514>G6C G07D G471/04 G G J
  <B514>G6C G07D G235:00 G G J
  <B514>G6C G07D G221:00 G G J
  <B517EP>// (C07D471/04, 235:00, 221:00)
<ECHG>
</B510>
```

Example 38: International patent classification - Replacement

Notes: Character "G" represents a space.

<B517EP> tag is compiled from tags <B513>, <B514> and <B515>.

7.11.2 <B540>: Title

Data is delimited by the tags:

```
<B540>
  <B541> DE
  <B542> German title
  <B541> EN
  <B542> English title
  <B541> FR
  <B542> French title
</B540>
```

Example:

```
<B540>
  <B541>DE
  <B542>Bariumsulfat-kolloidale Dispersion enthaltende Zusammensetzung
  <B541>EN
  <B542>Composition containing a colloidal barium sulphate dispersion
  <B541>FR
  <B542>Composition contenant une dispersion colloïdale de sulfate de
  baryum
</B540>
```

Example **39**: Title

Note: When there is a change in one of the titles, the group tag B540 is now followed by tag BCHG with an attribute 'STATUS=R'.

```
<B540>
  <BCHG DATE=19950503 STATUS=R>
  <B541>DE
  <B542><BCHG DATE=19950503 STATUS=R>
  Verkehrsabhängiges Steuersystem für eine automatische Flügeltür.
  <ECHG> (end of change on B542)
  <B541>EN
  <B542>Traffic responsive control system for automatic swinging door.
  <B541>FR
  <B542>Système de commande basé sur le trafic pour porte automatique.
  <ECHG> (end of change on B540)
</B540>
```

Example **40**: Title in German - Replacement

```
<B540><BCHG DATE=19950503 STATUS=R>
  <B541>DE
  <B542>Verkehrsabhängiges Steuersystem für eine automatische Flügeltür.
  <B541>EN
  <B542><BCHG DATE=19950503 STATUS=R>
  Traffic responsive control system for automatic swinging door.
  <ECHG> (end of change on B542)
  <B541>FR
  <B542><BCHG DATE=19950503 STATUS=R>
  Système de commande basé sur le trafic pour porte automatique.
  <ECHG> (end of change on B542)
  <ECHG> (end of change on B540)
</B540>
```

Example 41: Title in English and French - Replacement

7.11.3 <B560>: List of prior art documents

Data is delimited by the tags:

```
<B560>
  <B561>Patent citation
  <B562>Non patent citation
</B560>
```

Example:

```
<B560>
  <B561>EP-A- 0 008 174
  <B561>DD-A- 260 859
  <B561>FR-A- 2 521 989
  <B562>CHEMICAL ABSTRACTS, vol. 107, no. 11, 14 september 1987 ...
  <B562>BIOLOGICAL ABSTRACTS, vol.88, no. 5, 1 september 1989 ...
</B560>
```

Example 42: List of prior art documents

This tag is only used in B documents.

7.11.4 <B565EP>: Date of drawing up and despatch of supplementary search report

Data is delimited by the tags:

```
<B565EP>
  <DATE>
</B565EP>
```

Date when a supplementary European search report was drawn up.

7.11.5 <B566EP>: Date of dispatch for correction to the search report

Data is delimited by the tags:

```
<B566EP>
  <DATE>
</B566EP>
```

Date of dispatch of new documents to the applicant after publication of the search report.

7.11.6 <B598>: Figure number on first (title) page, abstract drawing

This tag may contain up to 16 bytes and each figure number is a 4 byte code.

Data is delimited by the tags:

<B598>

</B598>

Example:

```
<B598>2φφφ5</B598>
```

Example 43: Figure number(s) on first (title) page, abstract drawing

Note: Character "φ" represents a space.

7.12 <B600>: References to other legally or procedurally related domestic patent documents

Tags beginning with 'B6' are included between these two tags: <B600> </B600>

7.12.1 <B610>: Earlier document information

Data is delimited by the tags:

```
<B610>
  <PARENT>Parent relation
    <PDOC>Earlier document data
      <DNUM>
        <ANUM>Application number of an earlier application
        <PNUM>Publication number of an earlier application
      </DNUM>
      <DATE>Date of receipt
    </PDOC>
  </PARENT>
</B610>
```

7.12.2 <B620>: Parent application data

Data is delimited by the tags:

```
<B620>
  <PARENT>Parent relation
    <PDOC>Parent application data
      <DNUM>
        <ANUM>Application number of the parent application
        <PNUM>Publication number of the parent application
      <DATE>Date of receipt
    </PDOC>
  </PARENT>
</B620>
```

Example:

```
<B620><BCHG DATE=19950503 STATUS=R>
  <PARENT>
    <PDOC>
      <DNUM>
        <ANUM>94101360.9
        <PNUM>0605392
      </DNUM>
      <DATE>19910724
    </PDOC>
  </PARENT>
  <ECHG>
</B620>
```

Example 44: Parent application data - Replacement

```
<B620><BCHG DATE=19950503 STATUS=R>
  <PARENT>
    <PDOC>
      <DNUM>
        <ANUM>95007115.8
        <PNUM>0626269
      </DNUM>
      <DATE>19820813
    </PDOC>
    <PDOC>
      <DNUM>
        <ANUM>90845001.1
        <PNUM>0480456
      </DNUM>
      <DATE>19820813
    </PDOC>
  </PARENT>
  <ECHG>
</B620>
```

Example 45: Parent application data - Replacement

```
<B620><BCHG DATE=19950503 STATUS=D>
  <PARENT>
  </PARENT>
  <ECHG>
</B620>
```

Example 46: Parent application data - Deletion

7.12.3 <B620EP>: Divisional application(s)

Data is delimited by the tags:

```
<B620EP>
  <PARENT>Parent relation
    <CDOC>Divisional application data
      <DNUM>
        <ANUM>Application number of the divisional application
        <PNUM>Publication number of the divisional application
      </DNUM>
      <DATE>Date of receipt
    </CDOC>
  </PARENT>
</B620EP>
```

Example:

```
<B620EP><BCHG DATE=19950503 STATUS=R>
  <PARENT>
    <CDOC>
      <DNUM>
        <ANUM>94101360.9
        <PNUM>0605392
      </DNUM>
      <DATE>19910724
    </CDOC>
    <CDOC>
      <DNUM>
        <ANUM>94101361.7
        <PNUM>0606924
      </DNUM>
      <DATE>19910724
    </CDOC>
  </PARENT>
  <ECHG>
</B620EP>
```

Example 47: Divisional application(s) - Replacement

```
<B620EP><BCHG DATE=19950503 STATUS=D>  
  <PARENT>  
  </PARENT>  
  <ECHG>  
</B620EP>
```

Example **48**: Divisional application(s) - Deletion

7.12.4 <B665>: Patent correction information

This tag is not used

Data is delimited by the tags:

<B665>

<B666>Date of publication of the corrected document (date & kind)

<DATE>Publication date of the corrected document

<KIND>Kind

Code Meaning

A1 Publication of the European patent application with search report

A2 Publication of the European patent application without search report

A3 Publication of the European patent application title page with search report

B1 Publication of the European patent specification

B2 Publication of the new European patent specification

</B666>

<B667>Type of correction

Code Text to print (when necessary)

C0 'ursprünglich angekündigte Berichtigung entfällt,
previously announced rectification cancelled,
la rectification originellement annoncée est supprimée'

C1 'Titleseite, Title page, Première page'

C2 'Teilneudruck, Partial reprint, Réimpression partielle'

C3 'Komplettneudruck, Complete reprint, Réimpression totale'

</B667>

</B665>

Note: When the new correction procedure is introduced the use of this tag will be reviewed.

7.13 <B700>: Parties concerned with the document

Tags beginning with 'B7' are included between these two tags: <B700> </B700>

7.13.1 <B710>: Applicants

Data is delimited by the tags:

```
<B710>
  <B711>
    <SNM>Name
    <IID>EPO number of the Applicant
    <IRF>Reference of the Applicant
    <SYN>Synonym, cross reference of the Applicant
    <ADR>Address
      <STR>Street
      <CITY>Town
      <CTRY>Country code
    </ADR>
    <B716EP> Designated states for the applicant. Used only when some of
      the designated states are mentioned
      <CTRY> Country code
    </B716EP>
    <B717EP> Designated extension for the applicant. Used only when
      some of the extended states are mentioned
      <CTRY> Country code
    </B717EP>
    <B718EP> Effective date for transfer of rights
      <DATE>
    </B718EP>
  </B711>
</B710>
```

Note: The name and address data, extracted from EPASYS, cannot be as precisely specified as might be desired. For example, under <SNM> all names are given: corporate or personal and, in the latter, last name is not tagged separately from first name. In the <STR> field other data than street is entered and in the <CITY> field we may have city and state, for example.

Examples of all these can be seen below. It is hoped that this situation can be improved in the future when the EPASYS database is re-designed.

Example:

The designated states are: AT BE CH DE DK ES FR.

The first applicant applies for countries: 'AT BE CH'

The second applicant applies for countries: 'DE DK ES FR'.

```
<B710>
  <B711>
    <SNM>ZENECA LIMITED
    <IID>01579441
    <IRF>PHM.36290/EP
    <ADR>
      <STR>Impchemical House, 9 Millbank
      <CITY>London SW1P 3JF
      <CTRY>GB
    </ADR>
    <B716EP>
      <CTRY>AT
      <CTRY>BE
      <CTRY>CH
    </B716EP>
  </B711>
  <B711>
    <SNM>ZENECA-PHARMA
    <IID>01614401
    <ADR>
      <STR>Immeuble "Le Galien", 1, Rue des Chauffours, B7
      <CITY>F-95022 Cergy Pontoise Cédex
      <CTRY>FR
    </ADR>
    <B716EP>
      <CTRY>DE
      <CTRY>DK
      <CTRY>ES
      <CTRY>FR
    </B716EP>
  </B711>
</B710>
```

Example 49: Applicants with tag <B716EP> designated states for the applicant. Used only when some of the designated states are mentioned

Designated states are: AT BE CH DE DK ES FR.

Both applicants have applied for all designated states.

```
<B710>
  <B711>
    <SNM>ZENECA LIMITED
    <IID>01579441
    <IRF>PHM.36290/EP
    <ADR>
      <STR>Impchemical House, 9 Millbank
      <CITY>London SW1P 3JF
      <CTRY>GB
    </ADR>
  </B711>
  <B711>
    <SNM>ZENECA-PHARMA
    <IID>01614401
    <ADR>
      <STR>Immeuble "Le Galien", 1, Rue des Chauffours, B7
      <CITY>F-95022 Cergy Pontoise Cédex
      <CTRY>FR
    </ADR>
  </B711>
</B710>
```

Example 50: Applicants with no tag <B716EP>

```
<B710>
  <B711>
    <SNM>NOISE CANCELLATION TECHNOLOGIES, INC.
    <IID>01140121
    <IRF>P/N31E
    <SYN>CANCELLATION TECHNOLOGIES, INC., NOISE
    <SYN>TECHNOLOGIES, INC., NOISE CANCELLATION
    <ADR>
      <STR>1015 West Nursery Road,
      <BR>Suite 101
      <CITY>Linthicum, MD 21090
      <CTRY>US
    </ADR>
  </B711>
</B710>
```

Example 51: Applicants with synonyms

7.13.2 <B720>: Inventors

Data is delimited by the tags:

```
<B720>
  <B721>
    <SNM>      Name
    <ADR>      Address
                <STR>      Street
                <CITY>     Town
                <CTRY>     Country code
    </ADR>
  </B721>
```

Or, when the inventor has agreed to waive his entitlement to designation:

```
<B721>
  <B725EP>Text according to publication language. See Table below
  </B725EP>
</B721>
</B720>
```

Note: Text from tag <B725EP> also used in tag <B009EP>.

Example:

```
<B720>
  <B721>
    <SNM>Pauli, Willi
    <ADR>
      <STR>Vonsbach 43
      <CITY>D-5342 Rheinbreitbach
      <CTRY>DE
    </ADR>
  </B721>
  <B721>
    <SNM> Menden, Leo
    <ADR>
      <STR>Im Sand 30
      <CITY>D-5342 Rheinbreitbach
      <CTRY>DE
    </ADR>
  </B721>
</B720>
```

Example 52: Inventors

Publication language	Text in <B725EP>
When there is only one inventor and he has agreed to waive his entitlement to designation	
De	"Der Erfinder hat auf seine Nennung verzichtet"
En	"The inventor has agreed to waive his entitlement to designation"
Fr	"L'inventeur a renoncé à sa désignation"
When there are several inventors and they all have agreed to waive their entitlement to designation	
De	"Die Erfinder haben auf ihre Nennung verzichtet"
En	"The inventors have agreed to waive their entitlement to designation"
Fr	"Les inventeurs ont renoncé à leur désignation"
When there are several inventors and one of them has agreed to waive his entitlement to designation	
De	"Der weitere Erfinder hat auf seine Nennung verzichtet"
En	"The other inventor has agreed to waive his entitlement to designation"
Fr	"L'autre inventeur a renoncé à sa désignation"
When there are several inventors and some of them have agreed to waive their entitlement to designation	
De	"Die weiteren Erfinder haben auf ihre Nennung verzichtet"
En	"The other inventors have agreed to waive their entitlement to designation"
Fr	"Les autres inventeurs ont renoncé à leur désignation"

Table 2. Text used when inventors waive their entitlement to designation

Example:

```
<B720>
  <B721>
    <SNM> Pauli, Willi
    <ADR>
      <STR>Vonsbach 43
      <CITY>D-5342 Rheinbreitbach
      <CTRY>DE
    </ADR>
  </B721>
  <B721>
    <B725EP>The other inventor has agreed to waive his entitlement to
      designation
    </B725EP>
  </B721>
</B720>
```

Example 53: One inventor has waived his entitlement to designation

```
<B720>
  <B721>
    <B725EP>The inventors have agreed to waive their entitlement to
      designation
    </B725EP>
  </B721>
</B720>
```

Example 54: All inventors have waived their entitlement to designation

7.13.3 <B730>: Grantees

Data is delimited by the tags:

```
<B730>
  <B731>
    <SNM>Name
    <IID>EPO number of the Grantee
    <IRF>Reference from the Grantee
    <SYN>Synonym, cross reference of the Grantee
    <ADR>Address
      <STR>Street
      <CITY>Town
      <CTRY>Country code
    </ADR>
    <B736EP> Designated states for the grantee. Used only when some of
      the designated states are mentioned
      <CTRY>Country code
    </B736EP>
    <B737EP> Designated extension for the grantee. Used only when some
      of the extended states are mentioned
      <CTRY>Country code
    </B737EP>
    <B738EP>Effective date for transfer of rights
      <DATE>
    </B738EP>
  </B731>
</B730>
```


Example:

Both grantees have applied for all designated states.

```
<B730>
  <B731>
    <SNM> Wolff, Jon A.
    <IID>01699510
    <IRF>N67256
    <ADR>
      <STR>1122 Univeray Drive
      <CITY>Madison, WI 53705
      <CTRY>US
    </ADR>
  </B731>
  <B731>
    <SNM> Jefferson, A.
    <IID>01699520
    <ADR>
      <STR>27 University Houses, Apt. D.
      <CITY>Madison, WI 53705
      <CTRY>US
    </ADR>
  </B731>
</B730>
```

Example 55: Grantees

7.13.4 <B740>: Attorney/agent of the applicant(s)

Data is delimited by the tags:

```
<B740>
  <B741>
    <SNM>Name
    <SFX>Suffix 'et al'
    <IID>EPO number of the Attorney/Agent
    <ADR>Address
      <STR>Street
      <CITY>Town
      <CTRY>Country code
    </ADR>
  </B741>
</B740>
```

Example:

```
<B740>
  <B741>
    <SNM> Hudson, Peter David
    <SFX>et al
    <IID>00052402
    <ADR>
      <STR>Motorola Patent and Licensing Operations
      <CITY>Basingstoke Hampshire RG22 4PD
      <CTRY>GB
    </ADR>
  </B741>
</B740>
```

Example 56: Attorney/agent of the applicant(s)

7.13.5 <B780>: Opposition(s)

Data is delimited by the tags:

```

<B780>
  <B781>Opponent data
    <DNUM>Serial number of the opposition
    <DATE>Date of opposition
    ,      Date of receipt for 'filed' and 'admissible' oppositions
    ,      Date of legal effect for 'inadmissible' and 'deemed not to be filed' oppositions
    <KIND>  Kind code of the result from the examination on
            admissibility.
            Code Meaning
            0      Opposition filed
            1      Admissible opposition
            2      Inadmissible opposition
            3      Deemed not to be filed
            4      Opposition withdrawn
            5      Intervention Art. 105 EPC
            6      Intervention admissible
            7      Intervention inadmissible
            8      Intervention deemed not to be filed
            9      Intervention withdrawn

    <SNM>Name
    <IID>EPO number of the Opponent
    <ADR>Address
      <STR>Street
      <CITY>Town
      <CTRY>Country code
    </ADR>
    <B784>Attorney/agent of the opponent
      <SNM>Name
      <SFX>Suffix 'et al'
      <IID>EPO number of the Attorney/Agent
      <ADR>Address
        <STR>Street
        <CITY>Town
        <CTRY>Country code
      </ADR>
    </B784>
  </B781>
  <B787>Date of rejection of the opposition procedure
    <DATE>
  </B787>
  <B788>Date of termination of the opposition procedure
    <DATE>
  </B788>
</B780>

```

Note: Where there are events on oppositions, the group tag B780 is followed by tag BCHG with an attribute 'STATUS=R'. Also, each individual opposition (group tag

B781) for which there is an event, is followed by a BCHG tag with an attribute 'STATUS=' the value of which depends on the event.

For example, in the event of 'Change on inadmissible opposition', all B781 tags where the KIND value is '2' are followed by a BCHG tag with attribute 'STATUS=R' where data concerning this opposition has changed or 'STATUS=D' where data concerning this opposition has been deleted.

Example follows.

```
<B780>
<BCHG DATE=19950503 STATUS=R>
  <B781>
  <BCHG DATE=19950503 STATUS=N>
    <DNUM>01
    <DATE>19931222
    <KIND>0
    <SNM> Exxon Chemical Patents Inc.
    <IID>00045977
    <ADR>
      <STR>1900 East Linden Avenue
      <CITY>Linden, New Jersey 07036
      <CTRY>US
    </ADR>
  <B784>
    <SNM> Veldhuizen, Albert Dirk Willem
    <SFX>et al
    <IID>00045477
    <ADR>
      <STR>Exxon Chemical Limited European Patents and
      Licences
      <CITY>Abingdon Oxfordshire OX13 6BB
      <CTRY>GB
    </ADR>
  </B784>
  <ECHG> (end of change on B781)
</B781>
<B781>
<BCHG DATE=19950503 STATUS=N>
  <DNUM>02
  <DATE>19931223
  <KIND>0
  <SNM> Union Carbide Corporation
  <IID>00125477
  <ADR>
    <STR>39 Old Ridgebury Road
    <CITY>US-Danbury, Connecticut 06817-0001
    <CTRY>US
  </ADR>
  <B784>
    <SNM> Barz & Peter
    <IID>00168487
    <ADR>
      <STR>Siegfriedstrasse 8
      <CITY>D-80803 München
      <CTRY>DE
    </ADR>
  </B784>
  <ECHG> (end of change on B781)
</B781>
<ECHG> (end of change on B780)
</B780>
```

Example 57: Opposition(s) filed

```
<B780>
<BCHG DATE=19950503 STATUS=R>
  <B781>
    <BCHG DATE=19950503 STATUS=R>
      <DNUM>01
      <DATE>19931217
      <KIND>2
      <SNM> Billund Plast A/S
      <IID>00684654
      <ADR>
        <STR>Klovermarken 306
        <CITY>DK-7190 Billund
        <CTRY>DK
      </ADR>
      <B784>
        <SNM>Larsen, Hans Ole
        <IID>00243354
        <ADR>
          <STR>Larsen Birkeholm A/S Skagensgade 64 P.O. Box
            210
          <CITY>DK-2630 Taastrup
          <CTRY>DK
        </ADR>
      </B784>
    <ECHG> (end of change on B781)
  </B781>
  <B781>
    <DNUM>02
    <DATE>19931223
    <KIND>0
    <SNM> Union Carbide Corporation
    <IID>00125477
    <ADR>
      <STR>39 Old Ridgebury Road
      <CITY>US-Danbury, Connecticut 06817-0001
      <CTRY>US
    </ADR>
  </B781>
<ECHG> (end of change on B780)
</B780>
```

Example 58: Opposition(s) inadmissible - Replacement

Note: Second opponent does not have an attorney/agent.

```
<B780>
<BCHG DATE=19950503 STATUS=R>
  <B781>
    <DNUM>01
    <DATE>19931217
    <KIND>2
    <SNM> Billund Plast A/S
    <IID>00684654
    <ADR>
      <STR>Klovermarken 306
      <CITY>DK-7190 Billund
      <CTRY>DK
    </ADR>
    <B784>
      <SNM>Larsen, Hans Ole
      <IID>00243354
      <ADR>
        <STR>Larsen Birkeholm A/S Skagensgade 64 P.O.
        Box 210
        <CITY>DK-2630 Taastrup
        <CTRY>DK
      </ADR>
    </B784>
  </B781>
  <B781>
  <BCHG DATE=19950503 STATUS=D>
    <KIND>0
  <ECHG>
  </B781> (end of change on B781)
<ECHG> (end of change on B780)
</B780>
```

Example 59: Opposition(s) filed- deletion

```
<B780>
<BCHG DATE=19950503 STATUS=D>
<ECHG>
</B780>
```

Example 60: Opposition(s) - deletion

```
<B780>
<BCHG DATE=19950427 STATUS=R>
  <B781>
    <DNUM>01
    <DATE>19920319
    <KIND>1
    <SNM>HTM Sport P.p.A.
    <IID>00060120
    <ADR>
      <STR>Via Cerisola Borghetto 37
      <CITY>16035 Rapallo
      <CTRY>IT
    </ADR>
  <B784>
    <SNM>Szász, Tibor, Dipl.-Ing.
    <IID>00047664
    <ADR>
      <STR>HTM Sport- und Freizeitgeräte AG
      <BR>Tyroliaplatz 1
      <CITY>A-2320 Schwechat
      <CTRY>AT
    </ADR>
  </B784>
</B781>
<B787>
<BCHG DATE=19950427 STATUS=N>
  <DATE>19941013
  <ECHG>          [end of change on B787]
</B787>
<ECHG>          [end of change on B780]
</B780>
```

Example 61: Date of rejection of the opposition procedure


```
<B780>
<BCHG DATE=19950427 STATUS=R>
  <B781>
    <DNUM>01
    <DATE>19920319
    <KIND>1
    <SNM>HTM Sport P.p.A.
    <IID>00060120
    <ADR>
      <STR>Via Cerisola Borghetto 37
      <CITY>16035 Rapallo
      <CTRY>IT
    </ADR>
    <B784>
      <SNM>Szász, Tibor, Dipl.-Ing.
      <IID>00047664
      <ADR>
        <STR>HTM Sport- und Freizeitgeräte AG
        <BR>Tyroliaplatz 1
        <CITY>A-2320 Schwechat
        <CTRY>AT
      </ADR>
    </B784>
  </B781>
  <B788>
  <BCHG DATE=19950427 STATUS=N>
    <DATE>19941013
  <ECHG>           [end of change on B788]
  </B788>
<ECHG>           [end of change on B780]
</B780>
```

Example 62: Date of termination of the opposition procedure

The example below shows how the change tags <BCHG ...> and <ECHG>, are used when there is a change on 'Opponent data' and on 'Date of rejection of the opposition procedure'.

```
<B780>
<BCHG DATE=19950426 STATUS=R>
  <B781>
    <BCHG DATE=19950426 STATUS=R>
      <DNUM>01
      <DATE>19920319
      <KIND>1
      <SNM>HTM Sport P.p.A.
      <IID>00060120
      <ADR>
        <STR>Via Cerisola Borghetto 37
        <CITY>16035 Rapallo
        <CTRY>IT
      </ADR>
      <B784>
        <SNM>Szász, Tibor, Dipl.-Ing.
        <IID>00047664
        <ADR>
          <STR>HTM Sport- und Freizeitgeräte AG
          <BR>Tyroliaplatz 1
          <CITY>A-2320 Schwechat
          <CTRY>AT
        </ADR>
      </B784>
    <ECHG> (end of change on B781)
  </B781>
  <B787>
    <BCHG DATE=19950427 STATUS=D>
    <ECHG> [end of change on B787]
  </B787>
<ECHG> [end of change on B780]
</B780>
```

Example **63**: Opposition(s) replacement and deletion of Date of rejection of the opposition procedure

7.13.6 <B790>: Licence(s)

Data is delimited by the tags:

```
<B790>
  <B791>
    <DNUM>Serial number of the licence
    <DATE>Date of legal effect of the licence
    <KIND>Kind of licence
    <SNM>Name
    <IID>EPO number of the Licensee
    <ADR>Address
      <STR>Street
      <CITY>Town
      <CTRY>Country code
    </ADR>
    <B796>Designated states concerned
      <CTRY>Country code
    </B796>
  </B791>
</B790>
```

Remarks:

- , The first two bytes of the serial number of a **main licence** and the other bytes represent the serial number of a **sub-licence**.
- , The maximum serial number for a main licence and a sub-licence is 10.
- , For an exclusive licence the tag <KIND> contains the code "E".

Example:

```
<B790>
  <B791>
    <DNUM>0100
    <DATE>19931112
    <KIND>E
    <SNM> Mori Checcucci Tommaso
    <IID>00003480
    <ADR>
      <STR>52, Viale Solferino
      <CITY>43100 Parma
      <CTRY>IT
    </ADR>
    <B796>
      <CTRY>DE
      <CTRY>DK
      <CTRY>ES
      <CTRY>FR
      <CTRY>BE
    </B796>
  </B791>
</B790>
```

Example 64: Licences

```
<B790>
<BCHG DATE=19950503 STATUS=R>
  <B791>
    <DNUM>0100
    <SNM> ADB S.A.
    <IID>00003490
    <ADR>
      <STR>Leuvensesteenweg 585
      <CITY>B 1930 Zaventem
      <CTRY>BE
    </ADR>
    <B796>
      <CTRY>DE
      <CTRY>DK
      <CTRY>ES
      <CTRY>NL
      <CTRY>SE
    </B796>
  </B791>
<ECHG>
</B790>
```

Example 65: Licence(s) - replacement

```
<B790><BCHG DATE=19950503 STATUS=D>
<ECHG>
</B790>
```

Example 66: Licence(s) - deletion

7.14 <B800>: International Convention Data

Tags beginning with 'B8' are included between these two tags: <B800>
</B800>

7.14.1 <B830>: Information concerning deposit of microorganisms

Data is delimited by the tags:

```
<B830>  
  <B831>  
    </B831>  
</B830>
```

Information concerning request for an "expert solution".

Example:

```
<B830>  
  <B831>Declaration under Rule 28(4) EPC (expert solution)  
  </B831>  
</B830>
```

Example 67: Information concerning deposit of microorganisms

7.14.2 <B840>: Designated contracting states

Data is delimited by the tags:

```
<B840>  
  <CTRY> Country code  
</B840>
```

Each state code is preceded by a tag CTRY.

Example:

```
<B840>  
  <CTRY>DE  
  <CTRY>DK  
  <CTRY>ES  
  <CTRY>NL  
  <CTRY>SE  
</B840>
```

Example 68: Designated contracting states

7.14.3 <B844EP>: States to which the application/patent is extended

Data is delimited by the tags:

```
<B844EP> States to which the application/patent is extended
  <B845EP> Extended state data
    <CTRY> Country code
    <DATE> Payment date
    <B846EP> Date of withdrawal
      <DATE>
    </B846EP>
  </B845EP>
</B844EP>
```

Example:

```
<B844EP>
  <B845EP>
    <CTRY>LT
    <DATE>19930708
  </B845EP>
  <B845EP>
    <CTRY>LV
    <DATE>19930731
  </B845EP>
  <B845EP>
    <CTRY>SI
    <DATE>19930531
    <B846EP>19940430</B846EP>
  </B845EP>
</B844EP>
```

Example 69: States to which the application/patent is extended

7.14.4 <B860>: PCT application data

Data is delimited by the tags:

```
<B860>
  <B861>
    <DNUM>
      <ANUM>PCT Application number
    </DNUM>
    <DATE>PCT Date of filing
  </B861>
  <B862>Filing language</B862>
</B860>
```

Example:

```
<B860>
  <B861>
    <DNUM>
      <ANUM>GB9200772
    </DNUM>
    <DATE>19920427
  </B861>
  <B862>En</B862>
</B860>
```

Example 70: PCT application data

```
<B860><BCHG DATE=19950503 STATUS=R>
  <B861>
    <DNUM><ANUM>GB9200772</DNUM>
    <DATE>19920427
  </B861>
  <B862>En</B862>
<ECHG>
</B860>
```

Example 71: PCT application data - Replacement

```
<B860><BCHG DATE=19950503 STATUS=D>
  <B861></B861>
<ECHG>
</B860>
```

Example 72: PCT application data - Deletion

7.14.5 <B870>: PCT publication data

Data is delimited by the tags:

```
<B870>
  <B871>
    <DNUM>
      <PNUM>PCT Publication number
    </DNUM>
    <DATE>Publication date
    <BNUM>Issue number of the Gazette
  </B871>
</B870>
```

Example:

```
<B870>
  <B871>
    <DNUM><PNUM>WO9220221</DNUM>
    <DATE>19921126
    <BNUM>199229
  </B871>
</B870>
```

Example 73: PCT publication data

```
<B870><BCHG DATE=19950503 STATUS=R>
  <B871>
    <DNUM><PNUM>WO9220221</DNUM>
    <DATE>19921126
    <BNUM>199229
  </B871>
<ECHG>
</B870>
```

Example 74: PCT publication data - replacement

```
<B870><BCHG DATE=19950503 STATUS=D>
  <B871></B871>
<ECHG>
</B870>
```

Example 75: PCT publication data - Deletion

7.14.6 <B880>: Publication of the deferred search report

Data is delimited by the tags:

```
<B880>
    <DATE>    Publication date
    <BNUM>    Issue number of the Bulletin
</B880>
```

Date and issue of the EPO Bulletin in which the mention of the Search Report is published.

Note: For PCT applications, <DATE> tag (Publication date), contains the actual date of the international search report and <BNUM> tag (Issue number of the Bulletin), contains '000000'.

Example:

```
<B880>
    <DATE>19910724
    <BNUM>000000
</B880>
```

Example 76: Publication of the search report - for PCT applications

8 General structure of bibliographic data

<PATDOC FILE="nnnnnnnn.n" CY=xy DNUM=nnnnnnnn KIND=kn DATE=yyyymmdd
STATUS=s>

<SDOBI LA=X>where X is the language code (eg. E for English)

<B000>

<EPTAGS> When tags B0nnEP are present</EPTAGS>

</B000>

<B100> When any tag <B1xx> is present

</B100>

<B200> When any tag <B2xx> is present

</B200>

<B300> When any tag <B3xx> is present

</B300>

<B400> When any tag <B4xx> is present

</B400>

<B500> When any tag <B5xx> is present

</B500>

<B600> When any tag <B6xx> is present

</B600>

<B700> When any tag <B7xx> is present

</B700>

<B800> When any tag <B8xx> is present

</B800>

</SDOBI>

</PATDOC>

9 Character set and entity references

9.1 Introduction

1. Most EPO computer systems and projects process data on the EPO's IBM 9000 series mainframe - one of the code pages on this system is IBM EBCDIC (Extended Binary Coded Decimal Interchange Code) Code Page 500. This is an internationally recognised code page for EBCDIC. In re-designing the EPO publication system, some time ago, we decided to use this code page as it is the most convenient to use in the EPO environment (most, if not all, EPO PC/workstations can display and print the characters in this code page).
2. However, not all the codes on code page 500 are used in the publication systems of the EPO; because, in order to maintain compatibility between EBCDIC codes and IBM ASCII 437/850 codes, code page 500 has been reduced to those codes which have a one-to-one relationship with code pages 437/850. (This means that in a straightforward EBCDIC to ASCII conversion all characters will be converted correctly). The reduced table is printed below. The reduced code page 500 will, therefore, be the basic code page for the character coding of:
 - , EP A and B patent documents
 - , EP Bulletin
 - , Bibliographic data (based on EPASYS data)
3. Following the table is a description of each code together with its graphical representation.
4. All other characters NOT in the code page below are coded as character entity references. The most common entity reference in bibliographic data is: & for ampersand; but others are possible. For a full description of the EPO's character set and entity references please refer to EPO document:

"Character set and entity references" on our web page: www.epoline.org

7.2 IBM EBCDIC Code Page 500 (Reduced)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0					SP	&	-			°	μ		{	}	\	0
1					é	/	É		a	j	~	£	A	J	÷	1
2					â	ê			b	k	s		B	K	S	2
3					ä	ë	Ä		c	l	t	·	C	L	T	3
4					à	è			d	m	u		D	M	U	4
5					á				e	n	v		E	N	V	5
6					î				f	o	w		F	O	W	6
7					å	ï	Å		g	p	x	¼	G	P	X	7
8					ç	ì	Ç		h	q	y	½	H	Q	Y	8
9					ñ		Ñ	`	i	r	z		I	R	Z	9
A					[	]		:	«		ı	¬			²	
B					.	\$	,	#	»		ı	|	ô	û		
C					<	*	%	@		æ			ö	ü	Ö	Ü
D					(	)	_	'					ò	ù		
E					+	;	>	=		Æ						
F					^	?	"	±						ÿ		

Character Set Description

EPO Character Set			
Char.	EBCDIC 500	ASCII 437/850	Description
NP	0C		New page control code
CR	0D		Carriage return control code
NL	15		New line control code
ESC	27		Escape control code
SP	40	20	Space
â	42	83	Small a circumflex
ä	43	84	Small a umlaut
à	44	85	Small a grave
á	45	A0	Small a acute
å	47	86	Small a over circle
ç	48	87	Small c cedilla
ñ	49	A4	Small n tilde
[	4A	5B	Open square bracket
.	4B	2E	Period
<	4C	3C	Less-than sign
(	4D	28	Left
+	4E	2B	Plus
	4F	21	Exclamation mark
&	50	26	Ampersand
é	51	82	Small e acute
ê	52	88	Small e circumflex
ë	53	89	Small e umlaut
è	54	8A	Small e grave
î	56	8C	Small i circumflex
ï	57	8B	Small i umlaut
ì	58	8D	Small i grave
]	5A	5D	Close square bracket
\$	5B	24	Dollar
*	5C	2A	Asterisk
)	5D	29	Right, close parenthesis
;	5E	3B	Semicolon
^	5F	5E	Circumflex
-	60	2D	Hyphen
/	61	2F	Solidus

EPO Character Set			
Char.	EBCDIC 500	ASCII 437/850	Description
Ä	63	8E	Capital A umlaut
Å	67	8F	Capital A over circle
Ç	68	80	Capital C cedilla
Ñ	69	A5	Capital N tilde
,	6B	2C	Comma
%	6C	25	Percent
_	6D	5F	Underscore
>	6E	3E	Greater than
?	6F	3F	Question mark
É	71	90	Capital E acute
`	79	60	Grave
:	7A	3A	Colon
#	7B	23	Numeral sign
@	7C	40	Commercial at
'	7D	27	Apostrophe
=	7E	3D	Equals
"	7F	22	Quotation
a	81	61	Small a
b	82	62	Small b
c	83	63	Small c
d	84	64	Small d
e	85	65	Small e
f	86	66	Small f
g	87	67	Small g
h	88	68	Small h
i	89	69	Small i
«	8A	AE	Much less than
»	8B	AF	Much greater than
±	8F	F1	Plus minus
°	90	F8	Degree
j	91	6A	Small j
k	92	6B	Small k
l	93	6C	Small l
m	94	6D	Small m
n	95	6E	Small n
o	96	6F	Small o

EPO Character Set			
Char.	EBCDIC 500	ASCII 437/850	Description
p	97	70	Small p
q	98	71	Small q
r	99	72	Small r
æ	9C	91	Small diphthong
Æ	9E	92	Capital diphthong
μ	A0	E6	Small Greek mu
~	A1	7E	Tilde
s	A2	73	Small s
t	A3	74	Small t
u	A4	75	Small u
v	A5	76	Small v
w	A6	77	Small w
x	A7	78	Small x
y	A8	79	Small y
z	A9	7A	Small z
¡	AA	AD	Inverted exclamation mark
¿	AB	A8	Inverted question mark
£	B1	9C	Pound sign
·	B3	FA	Centre dot
¼	B7	AC	Quarter
½	B8	AB	Half
¬	BA	AA	Not sign
|	BB	7C	Vertical bar
{	C0	7B	Open curly brace
A	C1	41	Capital A
B	C2	42	Capital B
C	C3	43	Capital C
D	C4	44	Capital D
E	C5	45	Capital E
F	C6	46	Capital F
G	C7	47	Capital G
H	C8	48	Capital H
I	C9	49	Capital I
ô	CB	93	Small o circumflex
ö	CC	94	Small o umlaut
ò	CD	95	Small o grave

EPO Character Set			
Char.	EBCDIC 500	ASCII 437/850	Description
}	D0	7D	Close curly brace
J	D1	4A	Capital J
K	D2	4B	Capital K
L	D3	4C	Capital L
M	D4	4D	Capital M
N	D5	4E	Capital N
O	D6	4F	Capital O
P	D7	50	Capital P
Q	D8	51	Capital Q
R	D9	52	Capital R
û	DB	96	Small u circumflex
ü	DC	81	Small u umlaut
ù	DD	97	Small u grave
ÿ	DF	98	Small y umlaut
\	E0	5C	Back slash
÷	E1	F6	Divide sign
S	E2	53	Capital S
T	E3	54	Capital T
U	E4	55	Capital U
V	E5	56	Capital V
W	E6	57	Capital W
X	E7	58	Capital X
Y	E8	59	Capital Y
Z	E9	5A	Capital Z
²	EA	FD	Superscript 2
Ö	EC	99	Capital O umlaut
0	F0	30	Figure 0
1	F1	31	Figure 1
2	F2	32	Figure 2
3	F3	33	Figure 3
4	F4	34	Figure 4
5	F5	35	Figure 5
6	F6	36	Figure 6
7	F7	37	Figure 7
8	F8	38	Figure 8
9	F9	39	Figure 9

EPO Character Set			
Char.	EBCDIC 500	ASCII 437/850	Description
Ü	FC	9A	Capital U umlaut
	FF	FF	Undefined character

Annex 1: Tape/file layout examples**Example 1**

Below is an IBM EBCDIC edited **tape** dump with 10 data records.

Note: This applies only to ST.35 files and not stand-alone ST.32 files.

All characters and hexadecimal values, on the two lines immediately **BELOW** the relevant character, are given for all characters within the file.

1. File 1: Records 1 to 3 shows the header label for the file.
2. File 2: Data block 1 contains 10 variable records
3. File 3: Records 1 to 3 shows the end of file marker data or trailer.

Header label file

```
File- 1 Data Record- 1 Length- 80
  0 HDR1DIM.EMA701 03891800010001 95282000000000000000
  0 CCDFFFF4ECDDCCEC4CEDDFFFFFFFFFFFFFFFF44444444FFFFFFFFFFFFFFFF
  0 8491521B27434131B44470389180001000100000009528200000000000000
  60 IBM OS/VS 370
  60 CCD4DE6EE4FFF4444444
  60 92406215203700000000
```

```
File- 1 Data Record- 2 Length- 80
  0 HDR2V200001999200DER02444/X01 B 72881
  0 CCDFEFFFFFFFFFFFFCCDFFFFFF6EFF4444444444C444FFFFFFFF44444444444444
  0 8492520000199920045902444170100000000020007288100000000000000
  60
  60 44444444444444444444444444444444
  60 00000000000000000000000000
```

End of file**Data file**

```
File- 2 Data Record- 1 Length- 19294
  0 .; j 02982EPA100654212 TXT00000001 19950
  0 45000A00FFFFFFCDCFFFFFFFF4444444444EEEEFFFFFFFF00444444444444444444
  0 BE00BA000298257110065421200000000037300000001010000000019950
  60 524199521 94118147.1 EP19950919NN
  60 FFFFFFFFF4FFFFFFFF4F444444CDFFFFFFFFD4444000000444444444444444444
  60 524199521094118147B100000571995091955000000010100000000000000
  120 T
  120 44444444444444444444444444444444444444444444444444444444444444444444
  120 00000000000000000000000000000000000000000000000000000000000000000000
  180
  180 44444444444444444444444444444444444444444444444444444444444444444444
  180 00000000000000000000000000000000000000000000000000000000000000000000
  240 ;<PATDOC FILE="94118147.1" CY=EP DNUM=065
  240 44444444444444444444444444444444444444444444444444444444444444444444
  240 000000000000000000000000AAC71346306935EF94118147B1F038E5704544E065
  300 4212 KIND=A1 DATE=19950524 STATUS=N><SDOBI LA=E><B000><EPTAG
  300 FFFF4DCDC7CF4CCEC7FFFFFFFF4EECEEE7D64ECDCC4DC7C64CFFF64CDECC
```



```

3420 CD6FFFFFFF446CFFFC64CFFFC6D46CFFFC646CDECCE646CFFF64CFFF6
3420 57E11000000C1200257EC200557E9C1200557EC1573172EC12000EC2100E
3480 <B110>0654213</B110><B120><B121>EUROPEAN PATENT APPLICATION<
. . . . .
5040 98E45C3398E42C3398E52C3398E69C3398E72C3398E79C3398E95C3398E9
5100 T<CTRY>LI<CTRY>NL<CTRY>PT<CTRY>SE</B840></B800></SDOI></PAT
5100 E4CEDE6DC4CEDE6DD4CEDE6DE4CEDE6EC46CFFF646CFFF646CEDCC646DCE
5100 3C3398E39C3398E53C3398E73C3398E25C12840EC12800EC124629EC1713
5160 DOC> P02003EPA300647393          TXT00000001          19950
5160 CDC60D00FFFFFFCDCFFFFFFFFF44444444EEEEFFFFFFFFF0044444444FFFFFF
5160 463E77000200357130064739300000000037300000001010000000019950
5220 524199521 94203259.0 EP19950919NN
5220 FFFFFFFFFF4FFFFFFFFF4F44444CDFFFFFFFFD444400000044444444444444
5220 524199521094203259B0000005719950919550000000101000000000000
5280          T
5280 4444444444444444444444444444444444444444444444444444444444444444
5280 0000000000000000000000000000000000000000000000000000000000000000
5340
5340 4444444444444444444444444444444444444444444444444444444444444444
5340 0000000000000000000000000000000000000000000000000000000000000000
5400 P<PATDOC FILE="94203259.0" CY=EP DNUM=064
5400 4444444444444444444444440D4DCECDC4CCDC77FFFFFFFFF4F74CE7CD4CDED7FFF
5400 00000000000000000000067C71346306935EF94203259B0F038E5704544E064
5460 7393 KIND=A3 DATE=19950524 STATUS=N><SDOI LA=E><B000><EPTAG
5460 FFFF4DCDC7CF4CCEC7FFFFFFFFF4EECEEE7D64ECDCC4DC7C64CFFF64CDECC
5460 739302954E1304135E199505240231342E5EC24629031E5EC2000EC57317
5520 S><B001EP>.....DE....FRGB.....NLSE.....
5520 E64CFFFC6444444CC4444CDCC44444444DDEC4444444444444444444444444444
5520 2EC200157EBBBBB45BBBB6972BBBBBBB5325BBBBBBBBBBBBBBBBBBBBBBBBBB
5580 </B001EP><B002EP>1620000 </B002EP></EPTAGS></B000><B100><B11
5580 46CFFFC64CFFFC64CFFFC64CFFFC646CDECCE646CFFF64CFFF64CFFF64CFF
5580 C1200157EC200257E16200000C1200257EC1573172EC12000EC2100EC211
5640 0>0647393</B110><B120><B121>EUROPEAN PATENT APPLICATION</B12
5640 F6FFFFFFFF64CFFF64CFFF64CFFF6CEDDDCCD4DCECDE4CDDDDCCCECDD46CFF
5640 0E0647393C12110EC2120EC2121E549675150713553017739313965C1212
5700 1></B120><B130>A3</B130><B140><DATE>19950524</B140><B190>EP<
5700 F646CFFF64CFFF6CF46CFFF64CFFF64CCEC6FFFFFFFFF46CFFF64CFFF6CD4
. . . . .
7140 </B880></B800></SDOI></PATDOC> }01996EPA300643907
7140 46CFFF646CFFF646CEDCC646DCECDC60D00FFFFFFCDCFFFFFFFFF44444444
7140 C12880EC12800EC124629EC1713463E70000199657130064390700000000
7200TXT00000001          19950524199521 94203287.1          EP199509
7200 4EEEFEEEEEEF0044444444FFFFFFFFFFFFFFFFF4FFFFFFFFF4F44444CDFFFFFFF
7200 037300000001010000000019950524199521094203287B10000057199509
7260 19NN          T
7260 FFDD44440000004444444444444444444444444444444444444444444444444444
7260 1955000000010100000000000000000000000000000000000000000000300000000
7320
7320 4444444444444444444444444444444444444444444444444444444444444444
7320 0000000000000000000000000000000000000000000000000000000000000000
7380          }<PATDOC FILE=
7380 4444444444444444444444444444444444444444444444444444444444444440D4DCECDC4CCDC7
7380 0000000000000000000000000000000000000000000000000000000060C71346306935E
7440 "94203287.1" CY=EP DNUM=0643907 KIND=A3 DATE=19950524 STATUS
7440 7FFFFFFFFF4F74CE7CD4CDED7FFFFFFFFF4DCDC7CF4CCEC7FFFFFFFFF4EECEEE
7440 F94203287B1F038E5704544E064390702954E1304135E199505240231342
7500 =N><SDOI LA=E><B000><EPTAGS><B001EP>.....DE....FRGB.....
7500 7D64ECDCC4DC7C64CFFF64CDECCE64CFFFC64444444CC4444CDCC44444444
7500 E5EC24629031E5EC2000EC573172EC200157EBBBBB45BBBB6972BBBBBBB
7560 .NLSE.....</B001EP><B002EP>1620000 </B002EP>

```

7560 4DDEC444444444444444444444444444446CFFFCD64CFFFCD6FFFFFFFF446CFFFCD
7560 B5325BBBBBBBBBBBBBBBBBBBBB1200157EC200257E16200000C1200257
7620 ></EPTAGS></B000><B100><B110>0643907</B110><B120><B121>EUROP
7620 646CDECCE646CFFF64CFFF64CFFF6FFFFFFFF46CFFF64CFFF64CFFF6CEDDD
7620 EC1573172EC12000EC2100EC2110E0643907C12110EC2120EC2121E54967
7680 EAN PATENT APPLICATION</B121></B120><B130>A3</B130><B140><DA
7680 CCD4DCECDE4CDDDCCECDD46CFFF646CFFF64CFFF6CF46CFFF64CFFF64CC
7680 5150713553017739313965C12121EC12120EC2130E13C12130EC2140EC41
7740 TE>19950524</B140><B190>EP</B190></B100><B200><B210>94203287
7740 EC6FFFFFFFF46CFFF64CFFF6CD46CFFF646CFFF64CFFF64CFFF6FFFFFFFFF
7740 35E19950524C12140EC2190E57C12190EC12100EC2200EC2210E94203287
7800 .1</B210><B220><DATE>19890920</B220><B250>En</B250><B251EP>E
7800 4F46CFFF64CFFF64CCEC6FFFFFFFF46CFFF64CFFF6C946CFFF64CFFFCD6C
7800 B1C12210EC2220EC4135E19890920C12220EC2250E55C12250EC225157E5
7860 n</B251EP><B260>En</B260></B200><B300><B310>8802332</B310><B
7860 946CFFFCD64CFFF6C946CFFF646CFFF64CFFF64CFFF6FFFFFFFF46CFFF64C
7860 5C1225157EC2260E55C12260EC12200EC2300EC2310E8802332C12310EC2
7920 320><DATE>19880921</B320><B330><CTRY>NL</B330></B300><B400><
.....
9060 EC3398E45C3398E69C3398E72C3398E53C3398E25C12840EC2880EC4135E
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9120 FFFFFFFFF4CEDE6FFFFFFFF46CFFF646CFFF646ECDCC646DCECDC60D00FFFFF
9120 19950524C2544E199521C12880EC12800EC124629EC1713463E7C0002008
9180 EPA300643908 TX00000001 19950524199521 942
9180 CDCFFFFFFFF4444444444EFFFFFFFF0044444444FFFFFFFF4FFF
9180 5713006439080000000003730000001010000000199505241995210942
9240 03288.9 EP19950919NN
9240 FFFFF4F44444CDDFFDD4444000000444444444444444444444444444444
9240 03288B900000571995091955000000101000000000000000000000000
9300 T
9300 444444444444E444
9300 00000000003000
9360
9360 44

9360 00
9420 ü<PATDOC FILE="94203288.9" CY=EP DNUM=0643908 KIND=A3
9420 444440D4DCECDC4CCDC77FFFFFFFF4F74CE7CD4CED7FFFFFFFF4DCDC7CF4
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9480 DATE=19950524 STATUS=N><SDOI LA=E><B000><EPTAGS><B001EP>...
9480 CCEC7FFFFFFFF4EECEEE7D64ECDCC4DC7C64CFFF64CDECCE64CFFFCD6444
9480 4135E199505240231342E5EC24629031E5EC2000EC573172EC200157EBBB
9540 ...DE....FRGB.....NLSE.....</B001EP><B0
9540 444CC4444CDCC44444444DDEC4444444444444444444444444446CFFFCD64CFF
9540 BBB45BBBB6972BBBBBBB5325BBBBBBBBBBBBBBBBBBB1200157EC200
9600 2EP>162000 </B002EP></EPTAGS></B000><B100><B110>0643908</B1
9600 FCD6FFFFFFFF446CFFFCD646CDECCE646CFFF64CFFF64CFFF6FFFFFFFF46CF
9600 257E16200000C1200257EC1573172EC12000EC2100EC2110E0643908C121
.....
11100 DE6DD4CEDE6EC46CFFF64CFFF64CCEC6FFFFFFFF4CEDE6FFFFFFFF46CFFF64
11100 98E53C3398E25C12840EC2880EC4135E19950524C2544E199521C12880EC
11160 /B800></SDOI></PATDOC> S02014EPA100654214 TX0000
11160 6CFFF646ECDCC646DCECDC60E00FFFFFFCDFFFFFFFF4444444444EFFFFF
11160 12800EC124629EC1713463E7200020145711006542140000000003730000
11220 0001 19950524199521 94203262.4 EP19950919NN
11220 FFFF0044444444FFFFFFFFFFFFFFFF4FFFFFFFF4F44444CDDFFDD4444
11220 000101000000019950524199521094203262B4000005719950919550000
11280 T


```
0          f 01787EPA100654217          TXT00000001          19950
0 00000F00FFFFFFCDCFFFFFFFF44444444EEEEFFFFFFFF0044444444444444
0 73006F000178757110065421700000000037300000001010000000019950
60 524199521 94308621.5 EP19950919NN
60 FFFFFFFFF4FFFFFFFF4F444444CFFFFFFFFDD4444000000444444444444
60 524199521094308621B5000005719950919550000000101000000000000
120          T
120 44444444444444444444444444444444E4444444444444444444444444444
120 0000000000000000000000000000300000000000000000000000000000000
180
180 444444444444444444444444444444444444444444444444444444444444
180 0000000000000000000000000000000000000000000000000000000000000
240          f<PATDOC FILE="94308621.5" CY=EP DNUM=065
240 444444444444444444444444444444440F4DCECDC4CCDC77FFFFFFFF4F74CE7CD4CDED7FFF
240 000000000000000000000005FC71346306935EF94308621B5F038E5704544E065
300 4217 KIND=A1 DATE=19950524 STATUS=N><SDOI LA=E><B000><EPTAG
300 FFFF4DCDC7CF4CCEC7FFFFFFFF4EECEEE7D64ECDCC4DC7C64CFFF64CDECC
300 421702954E1104135E199505240231342E5EC24629031E5EC2000EC57317
360 S><B001EP>ATBECHDEDKESFRGBGRITLILUNLSEMCPTIE.....
360 E64CFFFCD6CECCCCCCECDCCDCEDCDEDCDECC4444444444444444444444
360 2EC200157E1325384542526972799339345325437395BBBBBBBBBBBBBBBB
420 </B001EP><B002EP>1100000 </B002EP><B005EP>J</B005EP></EPTAGS
420 46CFFFCD64CFFFCD6FFFFFFFF446CFFFCD64CFFFCD6D46CFFFCD646CDECCE
420 C1200157EC200257E11000000C1200257EC200557E1C1200557EC1573172
480 ></B000><B100><B110>0654217</B110><B120><B121>EUROPEAN PATEN
480 646CFFF64CFFF64CFFF6FFFFFFFF46CFFF64CFFF64CFFF6CEDDDCCD4DCECD
480 EC12000EC2100EC2110E0654217C12110EC2120EC2121E54967515071355
540 T APPLICATION</B121></B120><B130>A1</B130><B140><DATE>199505
540 E4CDDDCCECD46CFFF646CFFF64CFFF6CF46CFFF64CFFF64CCEC6FFFFFFFF
540 3017739313965C12121EC12120EC2130E11C12130EC2140EC4135E199505
.....
1680 Y>FR<CTRY>GB<CTRY>GR<CTRY>IE<CTRY>IT<CTRY>LI<CTRY>LU<CTRY>MC
1680 E6CD4CEDE6CC4CEDE6CD4CEDE6CC4CEDE6CE4CEDE6DC4CEDE6DE4CEDE6DC
1680 8E69C3398E72C3398E79C3398E95C3398E93C3398E39C3398E34C3398E43
1740 <CTRY>NL<CTRY>PT<CTRY>SE</B840></B800></SDOI></PATDOC>
1740 4CEDE6DD4CEDE6DE4CEDE6EC46CFFF646CFFF646ECDCC646DCECDC6
1740 C3398E53C3398E73C3398E25C12840EC12800EC124629EC1713463E
End of file
```

Trailer label file**File-3 Data Record- 1 Length- 80**

```
0 EOF1DIM.EMA701          03891800010001          952820000000000002
0 CDCFFFFFF4ECDDCCEC4CEDDFFFFFFFFFFFFFFFF44444444FFFFFFFFFFFFFFFF
0 5661521B27434131B444703891800010001000000095282000000000002
60 IBM OS/VS 370
60 CCD4DE6EE4FFF4444444
60 92406215203700000000
```

File-3 Data Record- 2 Length- 80

```
0 EOF2V200001999200DER02444/X01          B          72881
0 CDCFEFFFFFFFFFFFFFFCDDFFF6EFF444444444C444FFFFFFFF444444444444
0 566252000019992004590244417010000000020007288100000000000000
60
60 44444444444444444444444444444444
60 000000000000000000000000
```

End of file**End of tape**

Example 2: EP 0897255 A1 Application number: 98110562.0

The EBD WIPO ST.35 format for this patent application contains a 256 byte prefix which consists of the following prefix items (# = blank § = binary item):

```

02077EPA100897255#####TXT00000001§§#####19990217199907#98110
562.0
      10 |      20 |      30 |      40 |      50 |      60 |      70 |
#####EP19981230NN#####§§§§§§#####T##
#
      80 |      90 |     100 |     110 |     120 |     130 |     140 |
#####
##
     150 |     160 |     170 |     180 |     190 |     200 |     210 |
#####§§
     220 |     230 |     240 |     250 |

```

The table following describes each item.

M/D O/R	Item No.	Field name and notes	Start pos.	Content
M	0	Internal record length (Record Descriptor Word) Binary record length indicator which is not always available for application programs. C Bytes 1-2 contain the actual length of the logical record plus four bytes in hexadecimal. C Bytes 3-4 contain hexadecimal value x'0000'.	-3	Not shown above
I. PREFIX ITEMS				
M	1	Record length - the size of the file in bytes	1	02077
M	2	Publication office - can only be EP or WO	6	EP
M	3	Kind of document	8	A1
M	4	Document number - the EP publication number with leading zeros	10	00897255
O	5	Emperor's year code - not used	18	#
R	6	Others - not used	19	#####
M	7	Document component type - can only be TXT	27	TXT
M	8	Document component identification number: always 1.	30	00000001
M	9	Document component record sequence number - binary	38	§§
O	10	Date of issue of amendment - not used	40	#####
O	11	Others (exchange use) - EPO usage:		
	11.1	Date of publication	48	19990217
	11.2	Publication week	56	199907

M/D O/R	Item No.	Field name and notes	Start pos.	Content
	11.3	Reserved	62	#
O	12	Others (domestic use) - EPO usage:		
	12.1	Application number	63	98110562.0
	12.2	Blanks	73	#####
M	13	Originating office	78	EP
M	14	Date of production - date of generation of the file by the EPO.	80	19981230
M	15	Document status	88	N
M	16	Document component status	89	N
O	17	Highest frame number within page - not used	90	###
O	18	Highest document record sequence number - binary	94	\$\$\$\$
M	19	Highest document component record sequence number - binary	98	\$\$
D	20	Distinction of revisory document - not used	100	#
O	21	Size of document in height - not used	101	###
O	22	Size of document in width - not used	104	###
O	23	Others - not used	107	15 blanks
O	24	Others (domestic use) - not used	122	15 blanks
M	25	Data type - always T - TEXT	137	T
O	26-48	Others (domestic use) - not used	138	113 blanks
II. VARIABLE DATA FIELD				
M	49	Length of variable data field - binary	251	\$\$
M	50	Variable data field	253	See below
M : Mandatory D : Desirable O : Optional R : Reserved				

Variable data field: (which starts immediately after the prefix items)

```
<PATDOC FILE="98110562.0" CY=EP DNUM=0897255 KIND=A1 DATE=19990217
STATUS=N><SDOI>
LA=D><B000><EPTAGS><B001EP>ATBECHDEDKESFRGBGRITLILUNLSEMCPPTIESILTLVFIROMKCYA
L</B001EP><B005EP>R</B005EP><B007EP>DIM360 - Ver 2.9 (30 Jun 1998)<BR>
1100000/0</B007EP></EPTAGS>
</B000><B100><B110>0897255</B110><B120><B121>EUROPÄISCHE
PATENTANMELDUNG</B121></B120><B130>A1</B130><B140><DATE>19990217</B140><B190
>EP</B190></B100><B200><B210>98110562.0</B210><B220><DATE>19980609</B220><B2
50>De</B250><B251EP>De</B251EP><B260>De</B260></B200><B300><B310>19734583</B
310><B320><DATE>19970809</B320><B330><CTRY>DE</B330></B300><B400><B405><DATE
>19990217<BNUM>199907</B405><B430><DATE>19990217<BNUM>199907</B430></B400><B
500><B510><B516>6<B511> 6H 05B 41/02 A<B512> 6F 21V 23/02
B</B510><B540><B541>DE<B542>Befestigungsklammer für
Vorschaltgeräte<B541>EN<B542>Mounting clamp for ballasts<B541>FR<B542>Bride
de fixation pour ballasts</B540><B590><B598>2
</B598></B590></B500><B700><B710><B711><SNM>THORN LICHT
GmbH<IID>00794760<IRF>98/199<ADR><STR>Möhnestrasse 55<CITY>D-59755
Arnsberg<CTRY>DE</ADR></B711></B710><B720><B721><SNM>Zembrot,
```

Dietmar<ADR><STR>In der Schlade 4a<CITY>59846
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