## Document update history

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Author</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>16-12-2011</td>
<td>F. LE PORT</td>
<td>First version</td>
</tr>
<tr>
<td>0.2</td>
<td>03-02-2011</td>
<td>G. LE GOFF</td>
<td>Complete table lists and diagrams</td>
</tr>
<tr>
<td>0.3</td>
<td>05-01-2012</td>
<td>G. LE GOFF</td>
<td>Add new path</td>
</tr>
<tr>
<td>0.4</td>
<td>06-01-2012</td>
<td>G. LE GOFF</td>
<td>Objects renaming</td>
</tr>
<tr>
<td>0.5</td>
<td>17-01-2012</td>
<td>G. LE GOFF</td>
<td>Elements descriptions – Add Hyperlinks</td>
</tr>
<tr>
<td>0.6</td>
<td>26-01-2012</td>
<td>G. LE GOFF</td>
<td>Add correspondence tables</td>
</tr>
<tr>
<td>1.1</td>
<td>28-05-2013</td>
<td>KB</td>
<td>Global reformulations and adaptions</td>
</tr>
<tr>
<td>1.2</td>
<td>01-04-2014</td>
<td>KB</td>
<td>Additional table of contents; Update disclaimer; Merge former chapters 2 and 3; Delete former chapter 4.5, 5, 6 and 9; IPC: explanation of data; EVENT_DATA: add remark on change of applicant/change of name and address data;</td>
</tr>
<tr>
<td>1.3</td>
<td>11-06-2014</td>
<td>KB</td>
<td>Adaptions to the Data model of 2014 Autumn Edition</td>
</tr>
<tr>
<td>2.00</td>
<td>01.04.2015</td>
<td>M. Kracker</td>
<td>Complete Restructuring of document; Extend description; Update data model diagram; Adaption to the data model 2015 Spring Edition;</td>
</tr>
<tr>
<td>3.00</td>
<td>01.10.2015</td>
<td>M. Kracker</td>
<td>Adaption to the data model 2015 Autumn Edition: see section 8 “History of major changes to tables and attributes”</td>
</tr>
<tr>
<td>3.01</td>
<td>08.02.2016</td>
<td>M. Kracker</td>
<td>Update or URLs of the EPO homepage</td>
</tr>
<tr>
<td>3.02</td>
<td>01.04.2016</td>
<td>M. Kracker</td>
<td>Adaption to the data model 2016 Spring</td>
</tr>
<tr>
<td>3.03</td>
<td>01.10.2016</td>
<td>M. Kracker</td>
<td>Adaption to the data model 2016 Autumn Edition</td>
</tr>
<tr>
<td>3.04</td>
<td>01.04.2017</td>
<td>M. Kracker</td>
<td>Adaption to the data model 2017 Spring Edition: see section 8 “History of major changes to tables and attributes”</td>
</tr>
<tr>
<td>3.05</td>
<td>01.10.2017</td>
<td>M. Kracker</td>
<td>Section 2 “Domain model” added. Adaption to the data model 2017 Autumn Edition: see section 8 “History of major changes to tables and attributes”.</td>
</tr>
<tr>
<td>3.06</td>
<td>01.04.2018</td>
<td>M. Kracker</td>
<td>Product name has changed to “PATSTAT EP Register”. Links to the EPO homepage have been adapted. Adaption to the data model 2018 Spring Edition: see section 8 “History of major changes to tables and attributes”.</td>
</tr>
<tr>
<td>3.07</td>
<td>01.10.2018</td>
<td>M. Kracker</td>
<td>Adaption to the data model 2018 Autumn Edition: see section 8 “History of major changes to tables and attributes”.</td>
</tr>
<tr>
<td>3.08</td>
<td>01.04.2019</td>
<td>M. Kracker</td>
<td>Adaption to the data model 2019 Spring Edition: see section 8 “History of major changes to tables and attributes”.</td>
</tr>
</tbody>
</table>
see section 8 “History of major changes to tables and attributes”.

| 3.09 | 01.10.2019 | M. Kracker | Adaption to the data model 2019 Autumn Edition: see section 8 “History of major changes to tables and attributes”. |
# Table of contents

1. Introduction ................................................................................................................. 9
2. Domain model ............................................................................................................. 12
3. Logical model ............................................................................................................. 17
4. Design Principles ....................................................................................................... 20
5. Table descriptions ...................................................................................................... 22
6. Attribute descriptions ................................................................................................. 51
7. Detailed description of procedural steps .................................................................. 122
8. History of major changes to tables and attributes ..................................................... 146
9. Known deficiencies ..................................................................................................... 150
**Detailed table of contents**

1 Introduction .................................................................................................................. 9  
1.1 About this document ................................................................................................. 9  
1.2 About PATSTAT EP Register and the PATSTAT product line ................................. 9  
1.3 Data source and data currentness ............................................................................ 9  
1.4 Data coverage .......................................................................................................... 10  
1.5 Correct citation of PATSTAT EP Register; Copyright and trademark ................... 11  
1.6 Disclaimer ............................................................................................................... 11  
1.7 Help desk, discussion forum, feedback ...................................................................... 11  

2 Domain model .............................................................................................................. 12  
2.1 The 3 levels: Family – Application – Publication .................................................. 12  
2.2 Domain model diagrams ......................................................................................... 12  
2.3 Description of domain objects ................................................................................ 13  
2.3.1 Appeal .................................................................................................................. 13  
2.3.2 Application .......................................................................................................... 13  
2.3.3 Classification ....................................................................................................... 14  
2.3.4 Legal Event .......................................................................................................... 14  
2.3.5 Licensee ............................................................................................................... 14  
2.3.6 Limitation ............................................................................................................ 14  
2.3.7 Opponent ............................................................................................................ 15  
2.3.8 Person ................................................................................................................... 15  
2.3.9 Procedural step .................................................................................................... 15  
2.3.10 Publication ......................................................................................................... 15  
2.3.11 Search Report ..................................................................................................... 16  
2.3.12 Title .................................................................................................................... 16

3 Logical model .............................................................................................................. 17  
3.1 Table naming conventions ....................................................................................... 17  
3.2 Logical model diagram ............................................................................................ 18

4 Design Principles ....................................................................................................... 20  
4.1 Handling of double quotes and line breaks ............................................................ 20  
4.2 Linking PATSTAT EP Register with PATSTAT Global ........................................... 20  
4.3 Handling of missing or unknown values .................................................................. 21

5 Table descriptions ...................................................................................................... 22  
5.1 Explanation of table description ............................................................................. 22  
5.2 REG101_APPLN: Application ................................................................................ 23  
5.3 REG102_PAT_PUBLN: Patent publication ............................................................. 25  
5.4 REG103_IPC: International Patent Classification ................................................... 26  
5.5 REG106_PRIOR: Priority ......................................................................................... 27  
5.6 REG107_PARTIES: Applicant, inventor, legal representative .................................. 28  
5.7 REG108_APPLICANT_STATES: Designated state by applicant ......................... 29  
5.8 REG109 Designated STATES: Designated states .................................................. 30  
5.9 REG110_TITLE: Title of patent application ........................................................... 31  
5.10 REG111_LICENSEE: Licensee ............................................................................... 32  
5.11 REG112_LICENSEE STATES: License state ......................................................... 33  
5.12 REG113 TERMS_OF_GRANT: Lapse ................................................................... 34  
5.13 REG114 DATES: Various dates .............................................................................. 35  
5.14 REG117_RELATION: Divisional or continuation application ................................. 37  
5.15 REG118_PREV Filed APPLN: Previously filed application ..................................... 38  
5.16 REG125 APPEAL: Appeal ....................................................................................... 39  
5.17 REG127_PETITION_RVW: Petition review ............................................................. 40  
5.18 REG128 LIMITATION: Request for limitation ........................................................ 41  
5.19 REG130_OPPONENT: Opponent .......................................................................... 42  
5.20 REG135 TEXT: Miscellaneous text ....................................................................... 43  
5.21 REG136 SEARCH REPORT: Search report .......................................................... 44
6  Attribute descriptions ............................................................................................................ 51
   6.1 ADDRESS_1, ADDRESS_2, ADDRESS_3, ADDRESS_4, ADDRESS_5 ........................................ 51
   6.2 AGENT_ADDRESS_1, AGENT_ADDRESS_2, AGENT_ADDRESS_3, AGENT_ADDRESS_4, AGENT_ADDRESS_5 .............................................................. 51
   6.3 AGENT_COUNTRY .............................................................................................................. 52
   6.4 AGENT_NAME .................................................................................................................. 53
   6.5 APPEAL_DATE ................................................................................................................ 53
   6.6 APPEAL_NR ..................................................................................................................... 54
   6.7 APPLN_AUTH ................................................................................................................... 54
   6.8 APPLN_DATE ................................................................................................................... 55
   6.9 APPLN_FILING_DATE ...................................................................................................... 55
   6.10 APPLN_ID ...................................................................................................................... 56
   6.11 APPLN_NR ..................................................................................................................... 57
   6.12 BIO_DEPOSIT ................................................................................................................. 57
   6.13 BULLETIN_DATE ............................................................................................................ 58
   6.14 BULLETIN_NR ................................................................................................................ 59
   6.15 BULLETIN_YEAR .......................................................................................................... 59
   6.16 CAUSE INTERRUPTION .................................................................................................. 60
   6.17 CHANGE_DATE ............................................................................................................. 61
   6.18 CHILD_ID ....................................................................................................................... 62
   6.19 CONVERTED_TO_COUNTRY ............................................................................................ 62
   6.20 COUNTRY ....................................................................................................................... 63
   6.21 CUSTOMER_ID .............................................................................................................. 64
   6.22 DATE_DISPATCH_ALLOWANCE ...................................................................................... 65
   6.23 DATE_DISPATCH_REJECTION ....................................................................................... 66
   6.24 DATE_INTERLOC_REVISION ......................................................................................... 66
   6.25 DATE_LEGAL_EFFECT_REJECTION .............................................................................. 66
   6.26 DATE_OPP_FILED .......................................................................................................... 67
   6.27 DATE_PAYMENT_ALLOWANCE ....................................................................................... 67
   6.28 DATE_STATE_GROUNDSFiled ....................................................................................... 68
   6.29 DATE_TYPE ................................................................................................................. 69
   6.30 DESIGNATED_STATES ................................................................................................... 70
   6.31 DESIGNATION .............................................................................................................. 71
   6.32 EVENT_CODE ............................................................................................................... 72
   6.33 EVENT_DATE (in table REG114_DATES) ........................................................................ 73
   6.34 EVENT_DATE (in table REG301_EVENT_DATA) ............................................................. 74
   6.35 EVENT_TEXT ................................................................................................................. 74
   6.36 FILING/lg ....................................................................................................................... 75
   6.37 ID76 .................................................................................................................................. 76
   6.38 INTERNAT_APLN_ID ....................................................................................................... 76
   6.39 INTERNAT_APLN_NR .................................................................................................... 77
   6.40 IPC_TEXT ...................................................................................................................... 77
   6.41 IS_LATEST ...................................................................................................................... 78
   6.42 LAPPED_COUNTRY ........................................................................................................ 79
   6.43 LAPPED_DATE ............................................................................................................... 80
   6.44 LICENSEE_COUNTRY ..................................................................................................... 80
   6.45 LICENSEE_SEQ_NR ....................................................................................................... 81
   6.46 LIMIT_SEQ_NR ............................................................................................................. 82
   6.47 LIMITATION_FILING_DATE ............................................................................................ 82
   6.48 LIMITATION_FILING_DECISION ................................................................................ 83
   6.49 MAILED_DATE ............................................................................................................... 83
   6.50 MISCELLANEOUS_TEXT ............................................................................................... 84
   6.51 NAME ............................................................................................................................ 85
7 Detailed description of procedural steps ........................................... 122
  7.1 ABEX – Amendments by applicant ............................................ 122
  7.2 ACOR – Amendment or corrections ............................................ 123
  7.3 ADWI – Application deemed to be withdrawn ............................. 123
  7.4 AGRA – Announcement of Grant .............................................. 124
  7.5 CORS – Correction of search report ........................................ 125
  7.6 DDIV – Divisional application ................................................ 125
  7.7 DEST – Payment of designation fee ......................................... 126
7.8 DOBS – Opposition: Reply to observations of proprietor .................................................. 126
7.9 EXAM-PCT – Payment of examination fee ........................................................................ 127
7.10 EXPT – Extension of patent to extension states ................................................................. 127
7.11 EXRE – Examination report ............................................................................................ 127
7.12 FFE – Payment of national basic fee ................................................................................ 128
7.13 IDOP – Interlocutory revision of the opposition ............................................................... 128
7.14 IGRA – Intention to grant ............................................................................................... 129
7.15 IGRE – Amendments to intention to grant ...................................................................... 129
7.16 ISAT – International Search Authority .......................................................................... 130
7.17 LIRE – Reply to limitation .............................................................................................. 130
7.18 LOPR – Loss of patent rights ........................................................................................... 131
7.19 OBAP – Observations in an appeal .................................................................................. 131
7.20 OBOSO – Observations on an opposition ....................................................................... 132
7.21 OPEX – Examination of admissibility of opposition ....................................................... 133
7.22 OPPC – Termination of opposition ................................................................................ 133
7.23 ORAL – Oral proceeding ................................................................................................ 133
7.24 OREX – Opposition: Reply to examiner ........................................................................ 134
7.25 PART – Prior art ............................................................................................................... 135
7.26 PFEE – Payment of additional fees ................................................................................ 135
7.27 PMAP – Preparation for maintenance ............................................................................ 136
7.28 PREX – Preliminary examination .................................................................................. 136
7.29 PROL – Procedural language .......................................................................................... 137
7.30 RAEX – Request for accelerated examination ............................................................... 137
7.31 RDEC – Request for decision after loss of rights .............................................................. 138
7.32 REES – Re-establishment of rights ................................................................................ 139
7.33 REFU – Refusal of application ....................................................................................... 139
7.34 REJO – Rejection of opposition .................................................................................... 140
7.35 REJR – Rejection of request for revocation ................................................................... 140
7.36 REVO – Revocation of patent ....................................................................................... 141
7.37 RFEE – Renewal fee payment ....................................................................................... 141
7.38 RFPR – Request for further processing .......................................................................... 141
7.39 SFEE – Supplementary fee payment ............................................................................. 143
7.40 TIPA – Third party observations .................................................................................... 143
7.41 TRAN – Translation ........................................................................................................ 144
7.42 VAPT – Extension of patent to validation states .............................................................. 144
7.43 WINT – Withdrawal during internat. phase .................................................................... 145

8 History of major changes to tables and attributes ............................................................ 146
9 Known deficiencies ............................................................................................................. 150
1 Introduction

1.1 About this document

This document describes the structure of PATSTAT EP Register data. It contains diagrams showing the high level structure, its data sources and design principles as well as detailed descriptions of the tables and attributes.

1.2 About PATSTAT EP Register and the PATSTAT product line

PATSTAT EP Register is part of the PATSTAT product line which aims in supporting statistical analysis of patent information by providing high-quality data in a format specially designed for that purpose.

All products of the PATSTAT product line must be purchased from the EPO (see tabs “Getting started” and “Conditions” in http://www.epo.org/patstat):

- PATSTAT Global Product 14.24
- PATSTAT EP Register Product 14.24.1

While PATSTAT Global has a worldwide coverage, PATSTAT EP Register contains only patents and published applications which are filed with the EPO. On the other hand PATSTAT EP Register contains much more data about each EP publication than PATSTAT Global.

PATSTAT EP Register can be used as a stand-alone database, but can also be easily combined with the other worldwide PATSTAT databases. Section 4.2 "Linking PATSTAT EP Register with PATSTAT Global" explains how to do this.

PATSTAT EP Register is a bulk data product which is issued twice a year. The issues are called Spring Edition and Autumn Edition. Subscribers receive the data as CSV files, the database structure and supporting documentation via electronic download or - on request – on USB memory stick. Subscribers need to load the database into a database management system of their choice, like MySQL, MS SQL Server, ORACLE, ... and can then query them with SQL (Structured Query Language).

1.3 Data source and data currentness

The data source of PATSTAT EP Register is the EP Register. Twice a year, usually in January and July, the complete EP Register data is extracted in XML ST.36 format. This is the same format which is available via the EP Register website http://register.epo.org.

The data for this 2019 Autumn Edition contains all data present in the data sources at the end of week 2019/31.
This extraction is then converted into the PATSTAT EP Register format. The XML XPath definition used to populate each field of the tables is also contained in this document.

In order to get more detailed information regarding the XML ST.36 Register data itself (format, content, meaning…), you may also refer to the EPO's online up-to-date information on http://www.epo.org/searching-for-patents/legal/register/documentation.html, starting with the document "Description of EP Register data in ST.36-compatible XML structure".

1.4 Data coverage

This database covers two main groups of EP applications. The main table for applications is table REG101_APPLN, which holds one row for each application. The attributes in this table allow identifying the group an application belongs to:

- EP direct applications
- PCT international applications, which are either
  - EURO-PCT applications (= European patent application that have entered the European procedure via a PCT international application. It is equivalent to a regular European patent application.)
  - or
  - PCT-applications which have not (yet) entered the European procedure

Depending on the application, applications in PATSTAT EP Register can be linked via the attributes APPLN_ID and/or INTERNAT_APPLN_ID to the corresponding application and/or their corresponding international application in the database PATSTAT Global.

All EP applications (either EP direct applications or PCT international application which entered the European procedures) can be linked from / to PATSTAT Global. This database must be purchased separately (http://www.epo.org/patstat, tabs “Getting started” and “Conditions”):
1.5 Correct citation of PATSTAT EP Register; Copyright and trademark

If you publish analyses based on this statistical database, please cite the source of the data as "PATSTAT EP Register 2019 Autumn Edition". The copyright to this database as distributed by the European Patent Office remains with the EPO. "PATSTAT" is a registered trademark.

1.6 Disclaimer

The data in the PATSTAT database is based on EPO databases. EPO actively seeks to create and maintain high quality data for PATSTAT but cannot assume any legal liability or responsibility for the accuracy or completeness of the database. In case legal certainty, accurate or complete data is needed, EPO strongly suggests contacting the competent data suppliers. Almost all national and regional patent offices offer online internet access to their registers. These should be used to conduct in-depth research on a single national or regional patent granting authority. The EPO would appreciate if users of PATSTAT reported deficiencies to patstat@epo.org so that appropriate measures may be taken to correct the deficiencies and to develop PATSTAT further.

1.7 Help desk, discussion forum, feedback

A help desk is available at patstat@epo.org. The discussion forum can be found in https://forums.epo.org/patstat. Your feedback is very valuable and welcome. Please report any errors or suggestions for improvement to the help desk.
2 Domain model

This section shows the relevant domain objects and their relationships in a graphical manner and describes each of them in more detail. The database tables which implement these domain objects are also given for easy reference to the PATSTAT logical model (section Error! Reference source not found.).

2.1 The 3 levels: Family – Application – Publication

The core domain object is the Application, which is a request for patent protection for an invention filed with the EPO or another patent office.

During the life of a patent, various publications are issued. An application has at least one publication, otherwise it would still be treated as confidential and would not be accessible in any database.

Applications which cover the same or similar invention are grouped into families. There are several definitions for families; consequently there are several types of families. Each family contains one or more applications as family members. For each type of family it applies that each application belongs to exactly one family of that type.

2.2 Domain model diagrams

The domain model is too complex to be visualized in a single diagram. So this section contains multiple diagrams, each containing the central domain object Application and some related domain objects.

![Diagram](image)

Figure 2: Explanation of symbols used
2.3 Description of domain objects

The domain objects are described in separate subsections, ordered alphabetically. References in brackets are made to the PATSTAT tables of the logical database model (section Error! Reference source not found.).

2.3.1. Appeal

An appeal is a process by which a party challenges a decision taken by the EPO, e.g. a decision to refuse a patent application. (REG125_APPEAL). A petition might be requested to review the outcome of an appeal. (REG127_PETITION_RVW)

2.3.2. Application

The application is a request for patent protection of an invention. This is the central domain object. Most other domain objects are related to applications.

Every application (REG101_APPLN) has at least 1 publication (REG102_PAT_PUBLN). Every application belongs to exactly 1 simple family (also called DOCDB family) and to
exactly 1 extended family (also called INPADOC family). Family information is not available in PATSTAT EP Register.

Strictly speaking, title, abstract, persons and classifications are part of the publication. However, by design, in PATSTAT these Domain objects are related not to the individual publication, but to the application of the publication.

Applications may also have a variety of dates (REG113_TERMS_OF_GRANT, REG114_DATES), designated states (REG109_DESIGNATED_STATES) and further information (REG135_TEXT), which here for simplicity are not regarded as domain objects of their own.

Many more domain objects are directly related to applications. See these domain objects for details.

There are several optional relationships between applications:
- Priorities (REG106_PRIOR)
- Previously filed applications (REG118_PREV_FILED_APPLN)
- Divisions and continuations (REG117_RELATION)

### 2.3.3. Classification

Applications are classified according to their technical content by some symbol or code to facilitate searching. Multiple, hierarchically structured classification systems exist.

- IPC - International Patent Classification\(^1\) (REG103_IPC):
  - This Classification is maintained by WIPO\(^2\) and used by all patent offices.

### 2.3.4. Legal Event

The Legal Event domain object represents procedural actions which change the (legal) status of an application or a granted patent. Some events are common to all jurisdictions, like refusal of an application, grant, entry into the national phase of a PCT application, payment of annual fee etc. (REG301_EVENT_DATA, REG402_EVENT_TEXT)

### 2.3.5. Licensee

A license is a contractual agreement between the owner of a patent and the licensee that permits the use of the patent under defined terms of use. There is no obligation to inform the EPO about licenses of EP patents, so licensing data is far from complete. (REG111_LICENSEE, REG112_LICENSEE_STATES)

### 2.3.6. Limitation

At any time after the patent is granted, patent proprietors can apply for the limitation of their own patent, thereby opening a limitation proceeding. (REG128_LIMITATION)

\(^1\) [http://www.wipo.int/classifications/ipc/en/](http://www.wipo.int/classifications/ipc/en/)

\(^2\) [http://www.wipo.int](http://www.wipo.int)
2.3.7. Opponent

Within nine months from the grant of a European patent, any person may file an opposition to the patent to challenge EPO’s decision to grant a patent. Each application may be opposed multiple times by one or more opponents. (REG130_OPPONENT)

2.3.8. Person

Persons may be legal persons (e.g. enterprises or any organisations) or natural persons (REG107_PARTIES, REG108_APPLICANT_STATES). The domain object Person covers these roles:

- **Applicants:**
  - The applicant is/are the person/s who filed the patent application. Depending on the phase of the application granting process, they may be also be the owner / proprietaries of the application or patent.

- **Inventors:**
  - Only natural persons may be inventors.

- **Representatives:**
  - Sometimes they are also called agents, attorneys, legal representatives or professional representatives.

An application may have at any point of time multiple applicants, inventors or representatives. These may also change over time. Only applicants are mandatory for an application. The same person can have multiple roles for the same application, like being applicant as well as inventor.

Persons are available as published by each publication and also as changed between publications (REG107_PARTIES).

2.3.9. Procedural step

During the patent procedure an application undergoes multiple procedural steps of all kinds. (REG201_PROC_STEP, REG202_PROC_STEP_TEXT, REG203_PROC_STEP_DATE).

2.3.10. Publication

At defined stages in the application procedure, publications are issued (REG102_PAT_PUBLN). There are several types of publications, each for a different purpose. Typically the first application is published 18 month after its filing date or its priority date. The granted patent specification is published when patent protection has been granted. There are other kind of publications, e. g. corrections or publications of search reports, limitations etc.

Every application has at least 1 publication, because before the first publication an application is regarded as confidential and therefore not included in any public data set.

A patent publication typically consists of a front page, which contains meta-data (so called bibliographic data), the abstract and a representative image. On following pages are the detailed description of the invention, the claims and the drawings.
2.3.11. Search Report

A patent examiner carries out a search for similar inventions to the one claimed by the applicant. The report on this search cites all of the documents available which could be important for assessing the novelty and inventive activity of the invention. (REG136_SEARCH_REPORT)

2.3.12. Title

This is the title of the invention which is shown on the first page of a publication. By design, in PATSTAT titles are related not to the individual publication, but to the application of the publication.
The title of EP applications exists in 3 languages: English, French and German. (REG110>Title)
3 Logical model

3.1 Table naming conventions

All table names in PATSTAT EP Register are of the form REGnnn_xxxx

- REG fixed prefix
- nnn unique number; the range of the number indicates its purpose;
  100 range: bibliographic data
  200 range: procedural data
  300 range: event data
  400 range: reference list of codes used in other tables
- _ underscore
- xxxx one or more words indicating the content of the table
3.2 Logical model diagram

Explanation:

- **Bibliographic data**
- **Procedural data**
- **Event data**

**Licensee**

Note 1: For EP-direct or EURO-PCT applications (which have APPLN_ID > 0) the cardinality is 1.*., i.e. every EP-direct or EURO-PCT application has at least one title and at least one list of designated states.
Explanation:

**Bibliographic data**

**Procedural data**

**Event data**

Legend:

0..1 cardinality

* cardinality 0 … n

PK This attribute is (part of) the Primary Key

FKn This attribute is (part of) the Foreign Key FK n;

Underlined attributes constitute the Primary Key.
4 Design Principles

4.1 Handling of double quotes and line breaks

Double quotes (" ) are consistently replaced by single quotes ( ’ ) in the data. This makes importing the data files, where double quotes are used to delimit text but will not appear within a text, easier.

Line breaking sequences (CR, LF) within strings are replaced by " \n ".

4.2 Linking PATSTAT EP Register with PATSTAT Global

The APPLN_ID is a numerical technical identifier used in all PATSTAT databases to uniquely identify a patent application. Since April 2011 this attribute is stable across all editions of all PATSTAT databases, which means that the same value of APPLN_ID will always identify the same application, regardless of the PATSTAT database or the data edition.

For more details about the APPLN_ID attribute see section 6.10 “APPLN_ID”. For the applications which are available in both PATSTAT EP Register and PATSTAT Global see the diagram in section 1.4 “Data coverage”.

Consequently the attribute APPLN_ID is ideally suited to easily link two or more PATSTAT databases.

In case you have loaded the PATSTAT EP Register tables in a database called “dbreg” and the worldwide PATSTAT data in a database called “db”, an SQL query could look like this:

```sql
select *
from db.tls224_appln_cpc c       -- CPC in PATSTAT Global
join dbreg.reg101_appln a        -- core table in PATSTAT EP Register
    on c.appln_id = a.appln_id
where ...
```

In case you have loaded all tables into a single database, the SQL statement would even be simpler because the database names are not required:

```sql
select *
from tls224_appln_cpc c          -- CPC in PATSTAT Global
join reg101_appln a              -- core table in PATSTAT EP Register
    on c.appln_id = a.appln_id
where ...
```

Analogously, you can also use the attribute INTERNAT_APPLN_ID from an application in REG101_APPLN to retrieve its international application in TLS201_APPLN, if there is one. For more details see section 6.38 “INTERNAT_APPLN_ID”. Such a query might look like this:
select *
from tls201_appln biblio -- Application table in PATSTAT Global
join reg101_appln register -- Application table in PATSTAT EP Register
    on biblio.appln_id = register.internat_appln_id
where register.internat_appln_id <> 0
-- exclude applications which do not have an international application
and ...

4.3 Handling of missing or unknown values

It is a fact that for several documents, usually old ones, we are missing date information. In relational databases missing values are usually represented by NULL values, but these are hard to exchange in csv format.

PATSTAT data does not contain any NULL values and in fact all attributes may be defined as NOT NULL. Depending on the data type / domain, PATSTAT represents missing values like this:

- Missing values in attributes of type date are represented as '9999-12-31'.
- Missing values in attributes of type string are represented as zero length strings (like '') or as fixed length strings containing spaces.
- Missing values in numerical attributes are represented as number zero.

It is important to understand that the date 9999-12-31 means 'unknown' or 'not applicable' date.

So if you write a query for all patents published after 2008-01-01, you will get a larger number than you expect - you will also get all the 9999-12-31 ones. So remember to write something like

'..where PUBLN_DATE > '2008-01-01' and PUBLN_DATE < '9999-12-31' .
5 Table descriptions

5.1 Explanation of table description

<table>
<thead>
<tr>
<th>Descriptor</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attributes of the table</td>
<td>XPath which is used to extract the data of the XML source. This XPath is relative to the absolute XPath listed in the row “Implementation rules”. This is only relevant for the EPO’s developers or expert end users.</td>
</tr>
<tr>
<td>Primary key</td>
<td>The attribute or a group of attributes which uniquely identifies a row of that table</td>
</tr>
<tr>
<td>Alternate key</td>
<td>Another attribute or group of attributes which uniquely identifies a row of that table</td>
</tr>
<tr>
<td>Foreign key</td>
<td>The attribute(s) which could be used to join this table with other tables. See also the diagram in section 3 “Logical model”.</td>
</tr>
<tr>
<td>Business rules</td>
<td>Rules and restrictions on business level</td>
</tr>
<tr>
<td>Implementation rules</td>
<td>Rules and restrictions on a technical level, which are only relevant for the EPO’s developers or expert end users. E. g., the absolute XPath of the XML source is listed here.</td>
</tr>
<tr>
<td>Comments</td>
<td>Any further explanations as deemed necessary</td>
</tr>
</tbody>
</table>

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>First version</td>
</tr>
</tbody>
</table>
5.2 REG101_APPLN: Application

This table contains
- EP applications with their identifiers and some additional data. In case of Euro-PCT (= an international application which has entered the EP regional phase), then the number of the international application number is given. If no international application number is given, then it is an EP direct filing.
- International applications, which have not (yet) entered the EP regional phase.

<table>
<thead>
<tr>
<th>REG101_APPLN</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>APPLN_ID</td>
</tr>
<tr>
<td>APPLN_AUTH</td>
</tr>
<tr>
<td>APPLN_NR</td>
</tr>
<tr>
<td>APPLN_FILING_DATE</td>
</tr>
<tr>
<td>FILING_LG</td>
</tr>
<tr>
<td>STATUS</td>
</tr>
<tr>
<td>INTERNAT_APPLN_ID</td>
</tr>
<tr>
<td>INTERNAT_APPLN_NR</td>
</tr>
</tbody>
</table>

Primary key: ID
Alternate key: APPLN_NR

Foreign key: APPLN_ID REFERENCES TLS201_APPLN (APPLN_ID) in the PATSTAT DOCDB database

Foreign key: STATUS REFERENCES REG403_APPLN_STATUS (STATUS)

Business rules: n/a

Comments:
For EP applications (EP direct or EURO-PCTs): Via the common attribute APPLN_ID you may link this PATSTAT EP Register database to the worldwide PATSTAT Global database. This is another subscription database which you must purchase separately: Product 14.24, [http://www.epo.org/patstat](http://www.epo.org/patstat), tab “Conditions”.

About 30% of all applications in this table are international applications which have not entered the EP regional phase. In these cases no EP publication exists in the PATSTAT DOCDB database to which can be linked.

Modification history

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Table REG119_BIO_DEPOSIT has been integrated into REG101_APPLN</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2017</td>
<td>New attribute INTERNAT_APPLN_ID</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2017</td>
<td>Attribute STATUS has a Foreign Key for its reference table</td>
</tr>
</tbody>
</table>
5.3 REG102_PAT_PUBLN: Patent publication

This table contains the EP and WO publications of the EP applications and international applications of table REG101_APPLN (R.143(l) EPC).

<table>
<thead>
<tr>
<th>REG102_PAT_PUBLN</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>PUBLN_AUTH</td>
</tr>
<tr>
<td>PUBLN_NR</td>
</tr>
<tr>
<td>PUBLN_KIND</td>
</tr>
<tr>
<td>PUBLN_DATE</td>
</tr>
<tr>
<td>PUBLN_LG</td>
</tr>
</tbody>
</table>

Primary key: ID, BULLETIN_YEAR, BULLETIN_NR, PUBLN_KIND, PUBLN_DATE

Alternative key:

Foreign key: ID REFERENCES REG101_APPLN (ID)

Business rules: n/a


Comments: n/a

Modification history

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2016</td>
<td>Change of Primary Key; Removal of alternate key</td>
</tr>
</tbody>
</table>
### 5.4 REG103_IPC: International Patent Classification

Each row of this table has a string containing 0, 1 or more IPC symbols of an application as published in the Bulletin. The individual IPC symbols are separated by semicolons. Note that the IPCs symbols are provided as published and are not updated when IPC definitions change.

<table>
<thead>
<tr>
<th>REG103_IPC</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>../../../bibliographic-data/@id</td>
<td></td>
</tr>
<tr>
<td>IPC_TEXT</td>
<td>text</td>
<td></td>
</tr>
<tr>
<td>CHANGE_DATE</td>
<td>../../../change-date</td>
<td></td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
<td>../../../change-gazette-num</td>
<td></td>
</tr>
<tr>
<td>BULLETIN_NR</td>
<td>../../../change-gazette-num</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Primary key</th>
<th>ID, CHANGE_DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign key</td>
<td>ID</td>
</tr>
</tbody>
</table>

**Business rules**

n/a

**Implementation rules**


**Comments**

n/a

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Attribute CHANGE_DATE added</td>
</tr>
</tbody>
</table>
5.5 REG106_PRIOR: Priority

This table contains the data of the claimed priorities (A.88 EPC).

<table>
<thead>
<tr>
<th>REG106_PRIOR</th>
</tr>
</thead>
</table>
| ID | ../id
| CHANGE_DATE | ../change-date
| BULLETIN_YEAR | ../change-gazette-num
| BULLETIN_NR | ../change-gazette-num
| PRIOR_SEQ_NR | @sequence
| PRIOR_KIND | @kind
| PRIOR_AUTH | country
| PRIOR_NR | doc-number
| PRIOR_DATE | date

Primary key: none
Foreign key: ID REFERENCES REG101_APPLN (ID)

**Business rules**
Multiple sets of priorities might be published in the bulletin in case of corrections to the priority data. The loss of all priority rights is indicated by a row with PRIOR_SEQ_NR = 0.

**Implementation rules**

**Comments**

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Attribute CHANGE_DATE added; Business rule amended</td>
</tr>
</tbody>
</table>
5.6 REG107_PARTIES: Applicant, inventor, legal representative

This table contains applicants (R.41(2)(c) EPC), inventors (A.81 EPC) and agents / legal representatives (R.41(2)(d) EPC).

<table>
<thead>
<tr>
<th>REG107_PARTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>SET_SEQ_NR</td>
</tr>
<tr>
<td>IS_LATEST</td>
</tr>
<tr>
<td>CHANGE_DATE</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>TYPE</td>
</tr>
<tr>
<td>WISHES_TO_BE_PUBLISHED</td>
</tr>
<tr>
<td>SEQ_NR</td>
</tr>
<tr>
<td>DESIGNATION</td>
</tr>
<tr>
<td>CUSTOMER_ID</td>
</tr>
<tr>
<td>NAME</td>
</tr>
<tr>
<td>ADDRESS_1</td>
</tr>
<tr>
<td>ADDRESS_2</td>
</tr>
<tr>
<td>ADDRESS_3</td>
</tr>
<tr>
<td>ADDRESS_4</td>
</tr>
<tr>
<td>ADDRESS_5</td>
</tr>
<tr>
<td>COUNTRY</td>
</tr>
</tbody>
</table>

Primary key: ID, SET_SEQ_NR, TYPE, SEQ_NR

Foreign key: ID REFERENCES REG101_APPLN (ID)

Business rules: n/a

Implementation rules: /register-documents/register-document/bibliographic-data/parties/types/type, while types/type is a placeholder for
- applicants/applicant
- inventors/inventor
- agents/agent

Comments: n/a

Modification history

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Attributes CHANGE_DATE and CUSTOMER_ID added</td>
</tr>
</tbody>
</table>
5.7 REG108_APPLICANT_STATES: Designated state by applicant

In some cases the applicant does not seek patent protection in all countries which are designated in the application (see table REG109_DESIGNATED_STATES), but only in some of these countries. In these cases this table lists the countries for which a specific applicant seeks protection.

<table>
<thead>
<tr>
<th>REG108_APPLICANT_STATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>SET_SEQ_NR</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>TYPE</td>
</tr>
<tr>
<td>SEQ_NR</td>
</tr>
<tr>
<td>COUNTRY</td>
</tr>
</tbody>
</table>

Primary key: ID, SET_SEQ_NR, SEQ_NR, COUNTRY

Foreign key: ID, SET_SEQ_NR, TYPE, SET_NR

REFERENCES: REG107_PARTIES (ID, SET_SEQ_NR, TYPE, SET_NR)

Business rules: n/a


Comments: Applicants which seek protection only for a subset of all designated countries can be identified in this way: In table REG107_PARTIES these applicants have the value ‘as-indicated’ in attribute DESIGNATION.

Modification history:

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2016</td>
<td>Comment amended</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2016</td>
<td>Attribute TYPE added; PK defined; Comment amended</td>
</tr>
</tbody>
</table>
5.8 REG109_DESIGNATED_STATES : Designated states

This table contains the information about states designated for an application. There are these types of designated states:

- Member states of the European Patent Convention (EPC) (R.143(1)(e) EPC)
- Extension states (see also in table REG201_PROC_STEP attribute STEP_CODE = ‘EXPT’)
- Validation states (see also in table REG201_PROC_STEP attribute STEP_CODE = ‘VAPT’)

<table>
<thead>
<tr>
<th>REG109_DESIGNATED_STATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>STATE_TYPE</td>
</tr>
<tr>
<td>CHANGE_DATE</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
</tbody>
</table>

Primary key ID, STATE_TYPE, CHANGE_DATE, BULLETIN_YEAR, BULLETIN_NR
Foreign key ID REFERENCES REG101_APPLN (ID)

Business rules Designation of member states may change over time, so there may be multiple entries with different dates for a single application.
For designations of extension states and validation states only the values at the time of filing are shown. Their attributes CHANGE_DATE, BULLETIN_YEAR, BULLETIN_NR will contain only a default value.


Comments n/a

Modification history

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Attribute CHANGE_DATE added; Primary key extended</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2018</td>
<td>Restructuring; added extension and validation states; added STATE_TYPE; removed TOTAL_DESIGNATED_STATE</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2019</td>
<td>Comment amended</td>
</tr>
</tbody>
</table>
### 5.9 REG110_TITLE: Title of patent application

This table contains the titles of the patent applications in the official languages (English, French, and German) of the EPO, as far as available at the time published in the Gazette (R.143(1)(c) EPC).

<table>
<thead>
<tr>
<th>REG110_TITLE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>./@id</td>
</tr>
<tr>
<td>CHANGE_DATE</td>
<td>@change-date</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
<td>@change-gazette-num</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
<td>@change-gazette-num</td>
</tr>
<tr>
<td>TITLE_LG</td>
<td>@lang</td>
</tr>
<tr>
<td>TITLE</td>
<td>.</td>
</tr>
</tbody>
</table>

**Primary key**: ID, CHANGE_DATE, BULLETIN_YEAR, BULLETIN_NR, TITLE_LG

**Foreign key**: ID REFERENCES REG101_APPLN (ID)

**Business rules**: EP direct applications and EURO-PCT applications always have titles in English, French and German. EP direct applications and EURO-PCT applications can be identified by having APPLN_ID > 0 (cf. table REG101_APPLN).

**Implementation rules**: /register-documents/register-document/bibliographic-data/invention-title

**Comments**: n/a

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Attribute CHANGE_DATE added</td>
</tr>
</tbody>
</table>
## 5.10 REG111_LICENSEE: Licensee

This table contains information about licensees and rights in rem (R.23 and R.24 EPC).

<table>
<thead>
<tr>
<th>REG111_LICENSEE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>CHANGE_DATE</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>LICENSEE_SEQ_NR</td>
</tr>
<tr>
<td>TYPE_LICENSE</td>
</tr>
<tr>
<td>DESIGNATION</td>
</tr>
<tr>
<td>VALID_DATE</td>
</tr>
<tr>
<td>CUSTOMER_ID</td>
</tr>
<tr>
<td>NAME</td>
</tr>
<tr>
<td>ADDRESS_1</td>
</tr>
<tr>
<td>ADDRESS_2</td>
</tr>
<tr>
<td>ADDRESS_3</td>
</tr>
<tr>
<td>ADDRESS_4</td>
</tr>
<tr>
<td>ADDRESS_5</td>
</tr>
<tr>
<td>COUNTRY</td>
</tr>
</tbody>
</table>

**Primary key**: ID, BULLETIN_YEAR, BULLETIN_NR, LICENSEE_SEQ_NR

**Foreign key**: ID REFERENCES REG101_APPLN (ID)

**Business rules**: If LICENSEE_SEQ_NR = 'deleted', then 'DESIGNATION' must be 'all'.


**Comments**: In case of changes or corrections multiple records occur.

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Attributes CHANGE_DATE and CUSTOMER_ID added</td>
</tr>
</tbody>
</table>
### 5.11 REG112_LICENSEE_STATES: License state

A license might be valid for all states which are covered by a patent, or only by a subset of these countries. In the latter case this table lists the countries for which the license is valid.

<table>
<thead>
<tr>
<th>REG112_LICENSEE_STATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>LICENSEE_SEQ_NR</td>
</tr>
<tr>
<td>LICENSEE_COUNTRY</td>
</tr>
</tbody>
</table>

**Primary key**: None

**Foreign key**: ID, BULLETIN_YEAR, BULLETIN_NR, LICENSEE_SEQ_NR

**REFERENCES**

REG111_LICENSEE (ID, BULLETIN_YEAR, BULLETIN_NR, LICENSEE_SEQ_NR)

**Business rules**: n/a


**Comments**: Licenses which are valid only in a subset of the countries where the patent is valid can be identified in this way: In table REG111_LICENSEE these licenses have the value ‘as-indicated’ in attribute DESIGNATION.

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2016</td>
<td>Foreign key information added</td>
</tr>
</tbody>
</table>
5.12 REG113_TERMS_OF_GRANT: Lapse

This table contains information about lapses during the opposition phase or during the period when opposition can be filed (R.143(1)(p) EPC). Note that the EPO is not the “owner” of any lapses in the national phase of a patent; therefore this information is not included.

<table>
<thead>
<tr>
<th>REG113_TERMS_OF_GRANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>CHANGE_DATE           ../@change-date</td>
</tr>
<tr>
<td>BULLETIN_YEAR         ../@change-gazette-num</td>
</tr>
<tr>
<td>BULLETIN_NR           ../@change-gazette-num</td>
</tr>
<tr>
<td>LAPSED_COUNTRY        country</td>
</tr>
<tr>
<td>LAPSED_DATE           date</td>
</tr>
</tbody>
</table>

Primary key: ID, CHANGE_DATE, LAPSED_COUNTRY

Foreign key: ID REFERENCES REG101_APPLN (ID)

Business rules: Only 1 (= the latest) publication in the gazette regarding these lapses are contained in this table. However, no information is lost because each publication in the gazette repeats the information from earlier publications.


Comments: n/a

Modification history:
- Author of update: M. Kracker
  - Date of update: 01.04.2015
  - Explanation of update: Version 2.00
- Author of update: M. Kracker
  - Date of update: 01.10.2015
  - Explanation of update: Attribute CHANGE_DATE added
- Author of update: M. Kracker
  - Date of update: 01.10.2016
  - Explanation of update: Primary Key defined
5.13 REG114_DATES: Various dates

This table contains some dates and – depending on the type of date – additional information.
- date when the request for examination was validly made (R.70(1) EPC)
- date of dispatch of the first communication from the examining division
- date of publication of the B2 document (patent maintained as amended) (R.82 EPC)
- date as of when the procedure was interrupted (R.142 EPC), with the cause of the interruption
- date of resumption of the procedure resumed (R.14 und R.142 EPC)
- date on which the procedure was suspended, with the reason for the suspension (R.14 EPC)
- date on which the application was converted into a national application, with the country/countries to which it was converted (A.135 EPC)
- date when the applicant withdrew his application (R.143(1)(n) EPC)
- legal effect date when the application was deemed to be withdrawn (R.143(1)(n) EPC)
- data concerning the handling of the request for revocation of the patent filed by the proprietor (R.90 – R.95 EPC)
- date when the time limit for filing opposition expired (A.99(1) EPC)

<table>
<thead>
<tr>
<th>REG114_DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>DATE_TYPE</td>
</tr>
<tr>
<td>EVENT_DATE</td>
</tr>
<tr>
<td>CAUSE_INTERRUPTION</td>
</tr>
<tr>
<td>CONVERTED_TO_COUNTRY</td>
</tr>
</tbody>
</table>

Primary key | ID, BULLETIN_YEAR, BULLETIN_NR, DATE_TYPE, EVENT_DATE |
Foreign key | ID REFERENCES REG101_APPLN (ID) |

Business rules | For these rights the year and week when the information was published in the gazette may (but need not) be given:
- Request for examination
- Request for conversion into national patent
- Application deemed withdrawn
- Opposition not filed
- Application withdrawn by applicant

Implementation rules | Within /register-documents/register-document/bibliographic-data/, the sub element is defined by the DATE_TYPE
- RQEXAM /dates-rights-effective/request-for-examination
- FEXRRQ /dates-rights-effective/first-examination-report-despatched
- PMNTAM /dates-rights-effective/patent-maintained-as-amended
- PRCITR /dates-rights-effective/proceedings-interrupted
- PRCRES
  /dates-rights-effective/proceedings-resumed
- PRCSUS
  /dates-rights-effective/proceedings-suspended
- RQCONV
  /dates-rights-effective/request-for-conversion-to-national-application
- WDRWNA
  /date-application-withdrawn-by-applicant
- DWDRWN
  /date-application-deemed-withdrawn
- RQREVO
  /office-specific-bib-data/ep-revocation-procedure/ep-revocation-procedure-date
- OPPNFI
  /opposition-data/opposition-not-filed

| Comments | n/a |

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Restructuring of previous table REG114_DATE_RIGHTS. Integration of these tables: - REG122_DATE_WITHDRAWN_BY_APPLT - REG123_DATE_DEEMED_WITHDRAWN - REG126_REVOCATION - REG134_OPPOSITION_NOT_FILED;</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2016</td>
<td>Attribute DATE renamed to EVENT_DATE; Implementation rules amended</td>
</tr>
</tbody>
</table>
5.14 REG117_RELATION: Divisional or continuation application

This table contains information about
- European divisional applications (A.76 EPC) and
- new European applications (A.61(1)(b) EPC): here named “continuation”

<table>
<thead>
<tr>
<th>REG117_RELATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>CHILD_ID</td>
</tr>
<tr>
<td>RELATION_TYPE</td>
</tr>
</tbody>
</table>

Primary key: ID, CHILD_ID, RELATION_TYPE
Foreign key: ID REFERENCES REG101_APPLN (ID)
Foreign key: CHILD_ID REFERENCES REG101_APPLN (ID)

Business rules:
This table contains applications and their child applications. Child applications which are (deemed to be) withdrawn or which have been refused are consequently not published and therefore they are not part of the EP register. For the sake of database consistency they are not included in this table. This affects about 2% of all child applications.

Implementation rules:

Comments:
By “continuation” we here mean an application filed in respect to A.61(1)(b) EPC. We do not mean a continuation application according to U.S. patent law.

Modification history:
<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Restructuring of table</td>
</tr>
</tbody>
</table>
### 5.15 REG118_PREV_FILED_APPLN: Previously filed application

This table contains information about the references to a previously filed application in the sense of R.40(1)(c) and R.40(2) EPC.

<table>
<thead>
<tr>
<th>REG118_PREV_FILED_APPLN</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>APPLN_AUTH</td>
</tr>
<tr>
<td>APPLN_NR</td>
</tr>
<tr>
<td>APPLN_DATE</td>
</tr>
</tbody>
</table>

Primary key: ID, BULLETIN_YEAR, BULLETIN_NR

Foreign key: ID REFERENCES REG101_APPLN (ID)

**Business rules**: n/a


**Comments**: n/a

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
</tbody>
</table>
5.16 REG125_APPEAL: Appeal

This table contains the data concerning an appeal (A.108 – A.111 EPC). A single application may have multiple appeals.

<table>
<thead>
<tr>
<th>REG125_APPEAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ID</strong></td>
</tr>
<tr>
<td><strong>APPEAL_DATE</strong></td>
</tr>
<tr>
<td><strong>APPEAL_NR</strong></td>
</tr>
<tr>
<td><strong>PHASE</strong></td>
</tr>
<tr>
<td><strong>DATE_STATE_GROUNDS_FILED</strong></td>
</tr>
<tr>
<td><strong>DATE_INTERLOC_REVISION</strong></td>
</tr>
<tr>
<td><strong>RESULT</strong></td>
</tr>
<tr>
<td><strong>RESULT_DATE</strong></td>
</tr>
</tbody>
</table>

Primary key: ID, APPEAL_DATE, APPEAL_NR, DATE_STATE_GROUNDS_FILED, DATE_INTERLOC_REVISION, RESULT, RESULT_DATE

Foreign key: ID REFERENCES REG101_APPLN (ID)

Business rules: n/a


Comments: n/a

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Attribute APPEAL_NUMBER renamed to APPEAL_NR</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2016</td>
<td>Primary Key defined; Replaced attribute RESULT_ID by RESULT</td>
</tr>
</tbody>
</table>
5.17 REG127_PETITION_RVW: Petition review

This table contains data about the handling of a petition to review the outcome of an appeal (R.104 – R.108 EPC).

<table>
<thead>
<tr>
<th>REG127_PETITION_RVW</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>REVIEW_NR</td>
</tr>
<tr>
<td>APPEAL_NR</td>
</tr>
<tr>
<td>REVIEW_DATE</td>
</tr>
<tr>
<td>PETITIONER_CODE</td>
</tr>
<tr>
<td>REVIEW_DECISION_DATE</td>
</tr>
<tr>
<td>REVIEW_KIND</td>
</tr>
</tbody>
</table>

Primary key: REVIEW_NR
Foreign key: ID REFERENCES REG101_APPLN (ID)

Business rules: n/a
Comments: n/a

Modification history
Author of update | Date of update | Explanation of update
M. Kracker       | 01.04.2015     | Version 2.00
M. Kracker       | 01.10.2015     | Attribute APPEAL_NUMBER renamed to APPEAL_NR
### 5.18 REG128_LIMITATION: Request for limitation

This table contains the information about the filing, the allowance and the rejection of a request for limitation (R.90 – R.95 EPC).

<table>
<thead>
<tr>
<th>REG128_LIMITATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>LIMIT_SEQ_NR</td>
</tr>
</tbody>
</table>

#### Filing of limitation
- LIMITATION_FILING_DATE | ep-limitation-filing-date/date
- LIMITATION_FILING_DECISION | ep-limitation-filing-decision/text

#### Allowance of limitation
- DATE_DISPATCH_ALLOWANCE | ep-limitation-allowed/ep-limitation-request-dispatch-date/date
- DATE_PAYMENT_ALLOWANCE  | ep-limitation-allowed/ep-limitation-request-pay-date

#### Rejection of limitation
- DATE_DISPATCH_REJECTION | ep-limitation-rejection /ep-limitation-rejection-dispatch-date/date
- DATE_LEGAL_EFFECT_REJECTION | ep-limitation-rejection /ep-limitation-rejection-legal-date/date

**Primary key**: ID, LIMIT_SEQ_NR

**Foreign key**: ID REFERENCES REG101_APPLN (ID)

**Business rules**: n/a


**Comments**: There may be more than one request for limitation for a given application.

**Modification history**
- **Author of update**: M. Kracker
- **Date of update**: 01.10.2015
- **Explanation of update**: Version 3.00
5.19 REG130_OPPONENT: Opponent

This table contains data about the opponents and their agents.

<table>
<thead>
<tr>
<th>REG130_OPPONENT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>../@id</td>
</tr>
<tr>
<td>CHANGE_DATE</td>
<td>../@change-date</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
<td>../@change-gazette-num</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
<td>../@change-gazette-num</td>
</tr>
<tr>
<td>IS_LATEST</td>
<td>Computed (value Y or N)</td>
</tr>
<tr>
<td>OPPT_NR</td>
<td>@sequence</td>
</tr>
<tr>
<td>CUSTOMER_ID</td>
<td>addressbook/@cdsid</td>
</tr>
<tr>
<td>OPPT_NAME</td>
<td>addressbook/name</td>
</tr>
<tr>
<td>OPPT_ADDRESS_1</td>
<td>addressbook/address/address</td>
</tr>
<tr>
<td>OPPT_ADDRESS_2</td>
<td>addressbook/address/address</td>
</tr>
<tr>
<td>OPPT_ADDRESS_3</td>
<td>addressbook/address/address</td>
</tr>
<tr>
<td>OPPT_ADDRESS_4</td>
<td>addressbook/address/address</td>
</tr>
<tr>
<td>OPPT_ADDRESS_5</td>
<td>addressbook/address/address</td>
</tr>
<tr>
<td>OPPT_COUNTRY</td>
<td>addressbook/address/country</td>
</tr>
<tr>
<td>DATE_OPP_FILED</td>
<td>date-opposition-filed/date</td>
</tr>
<tr>
<td>OPPT_STATUS</td>
<td>opponent-status/@status</td>
</tr>
<tr>
<td>OPPT_STATUS_DATE</td>
<td>opponent-status/date</td>
</tr>
<tr>
<td>AGENT_NAME</td>
<td>agent/addressbook/name</td>
</tr>
<tr>
<td>AGENT_ADDRESS_1</td>
<td>agent/addressbook/address/address-1</td>
</tr>
<tr>
<td>AGENT_ADDRESS_2</td>
<td>agent/addressbook/address/address-2</td>
</tr>
<tr>
<td>AGENT_ADDRESS_3</td>
<td>agent/addressbook/address/address-3</td>
</tr>
<tr>
<td>AGENT_ADDRESS_4</td>
<td>agent/addressbook/address/address-4</td>
</tr>
<tr>
<td>AGENT_ADDRESS_5</td>
<td>agent/addressbook/address/address-5</td>
</tr>
<tr>
<td>AGENT_COUNTRY</td>
<td>agent/addressbook/address/country</td>
</tr>
</tbody>
</table>

Primary key: ID, CHANGE_DATE, BULLETIN_YEAR, BULLETIN_NR, OPPT_NR

Foreign key: ID REFERENCES REG101_APPLN (ID)

Business rules: There are one or more opponents filing an opposition to a patent. At each publication in the Bulletin, the complete set of still active opponents is published.


Comments: Each opponent may have 0 or 1 agent.

Modification history

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Version 3.00</td>
</tr>
</tbody>
</table>
### 5.20 REG135_TEXT: Miscellaneous text

This table contains free text comment concerning an application. The comment can be in English, French or German.

<table>
<thead>
<tr>
<th>REG135_TEXT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>../@id</td>
</tr>
<tr>
<td>CHANGE_DATE</td>
<td>@change_date</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
<td>@change-gazette-num</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
<td>@change-gazette-num</td>
</tr>
<tr>
<td>TEXT_LG</td>
<td>@lang</td>
</tr>
<tr>
<td>MISCELLANEOUS_TEXT</td>
<td></td>
</tr>
</tbody>
</table>

**Primary key**: ID, BULLETIN_YEAR, BULLETIN_NR, TEXT_LG

**Alternate key**: ID, CHANGE_DATE, TEXT_LG

**Foreign key**: ID REFERENCES REG101_APPLN (ID)

**Business rules**: There may be one or two translations in another official language of the EPO. So each text may have 1, 2 or 3 entries in this table.

**Implementation rules**: /register-documents/register-document/bibliographic-data/text

**Comments**: n/a

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2015</td>
<td>Attributes CHANGE_DATE and TEXT_LG added</td>
</tr>
</tbody>
</table>
5.21 REG136_SEARCH_REPORT: Search report

This table contains information about the search reports. An application may have 0 - 3 (e.g. national and national-supplementary) search reports.

- European search reports are published by the EPO as A1 or A3 publications
- European supplementary search report are not officially published, but reported here
- International search reports are published by WIPO as A1 or A2 publications

<table>
<thead>
<tr>
<th>REG136_SEARCH_REPORT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>OFFICE</td>
</tr>
<tr>
<td>SEARCH_TYPE</td>
</tr>
<tr>
<td>MAILED_DATE</td>
</tr>
<tr>
<td>PUBLN_AUTH</td>
</tr>
<tr>
<td>PUBLN_NR</td>
</tr>
<tr>
<td>PUBLN_KIND</td>
</tr>
<tr>
<td>PUBLN_DATE</td>
</tr>
<tr>
<td>PUBLN_LG</td>
</tr>
</tbody>
</table>

Primary key: ID, BULLETIN_YEAR, BULLETIN_NR, PUBLN_KIND
Foreign key: ID REFERENCES REG101_APPLN (ID)

Business rules: n/a
Comments: n/a

Modification history

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
</tbody>
</table>
5.22 REG201_PROC_STEP: Procedural step

This table contains information about procedural data that is part of the EP register, but which is not or not entirely published in the bulletin.

<table>
<thead>
<tr>
<th>REG201_PROC_STEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>STEP_ID</td>
</tr>
<tr>
<td>STEP_PHASE</td>
</tr>
<tr>
<td>STEP_CODE</td>
</tr>
<tr>
<td>STEP_RESULT</td>
</tr>
<tr>
<td>STEP_RESULT_TYPE</td>
</tr>
<tr>
<td>STEP_COUNTRY</td>
</tr>
<tr>
<td>TIME_LIMIT</td>
</tr>
<tr>
<td>TIME_LIMIT_UNIT</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
</tbody>
</table>

Primary key: ID, STEP_ID

Foreign key: ID REFERENCES REG101_APPLN (ID)

<table>
<thead>
<tr>
<th>Business rules</th>
<th>n/a</th>
</tr>
</thead>
</table>

| Comments | n/a |

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2016</td>
<td>Table and its attributes renamed; Attributes added from former tables REG204_PRCDRL_STEP_AFFECTED_STATES and REG205_PRCDRL_STEP_RESULT</td>
</tr>
</tbody>
</table>
### 5.23 REG202_PROC_STEP_TEXT: Text of procedural step

This table contains a short explanation or more detailed information about the procedural step (see table REG201_PROC_STEP).

<table>
<thead>
<tr>
<th>REG202_PROC_STEP_TEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>STEP_ID</td>
</tr>
<tr>
<td>STEP_TEXT</td>
</tr>
<tr>
<td>STEP_TEXT_TYPE</td>
</tr>
</tbody>
</table>

**Primary key**: ID, STEP_ID, STEP_TEXT_TYPE

**Foreign key**: ID, STEP_ID REFERENCES REG201_PROC_STEP (ID, STEP_ID)

**Business rules**: n/a


**Comments**: n/a

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2016</td>
<td>Table and its attributes renamed</td>
</tr>
</tbody>
</table>
5.24 REG203_PROC_STEP_DATE: Date of procedural step

This table contains the dates of a procedural step (see table REG201_PROC_STEP).

<table>
<thead>
<tr>
<th>REG203_PROC_STEP_DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>STEP_ID</td>
</tr>
<tr>
<td>STEP_DATE</td>
</tr>
<tr>
<td>STEP_DATE_TYPE</td>
</tr>
</tbody>
</table>

Primary key: ID, STEP_ID, STEP_DATE, STEP_DATE_TYPE

Foreign key: ID, STEP_ID REFERENCES REG201_PROC_STEP (ID, STEP_ID)

Business rules: n/a


Comments: A very small number of duplicate rows has been removed to allow the creation of a primary key.

Modification history:

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2016</td>
<td>Table and its attributes renamed</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2019</td>
<td>Primary key added; Comment added</td>
</tr>
</tbody>
</table>
5.25 REG301EVENT_DATA: Event

This table contains information about typically legally relevant actions that have been taken place during the life of a patent application, mainly till the end of the opposition period. It can be seen as a kind of log book. Annual payments are only covered during the EPO patent grant procedure including the opposition period. More payments and legal events from EPO member states can be found in the INPADOC legal events (see table TLS231_INPADOC_LEGAL_EVENT in the database PATSTAT Legal Status).

<table>
<thead>
<tr>
<th>REG301_EVENT_DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
</tr>
<tr>
<td>EVENT_DATE</td>
</tr>
<tr>
<td>EVENT_CODE</td>
</tr>
<tr>
<td>BULLETIN_YEAR</td>
</tr>
<tr>
<td>BULLETIN_NR</td>
</tr>
<tr>
<td>BULLETIN_DATE</td>
</tr>
</tbody>
</table>

Primary key: ID, EVENT_DATE, EVENT_CODE
Foreign key: EVENT_CODE REFERENCES REG402_EVENT_TEXT (EVENT_CODE)
Foreign key: ID REFERENCES REG101_APPLN (ID)

Business rules: n/a
Comments: n/a

Modification history:
Author of update: M. Kracker
Date of update: 01.04.2015
Explanation of update: Version 2.00
Author of update: M. Kracker
Date of update: 01.04.2016
Explanation of update: Attribute EVENT_TEXT_ID removed; Foreign key changed.
5.26 REG402_EVENT_TEXT: Event text

This reference table contains the event text codes of table REG301_EVENT_DATE and the clear text description of these events.

<table>
<thead>
<tr>
<th>REG402_EVENT_TEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVENT_CODE</td>
</tr>
<tr>
<td>EVENT_TEXT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Primary key</th>
<th>EVENT_CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign key</td>
<td>REFERENCES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business rules</th>
<th>n/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implementation rules</td>
<td>/register-documents/register-document/events-data/dossier-event/</td>
</tr>
<tr>
<td>Comments</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.04.2015</td>
<td>Version 2.00</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.04.2016</td>
<td>Foreign key changed.</td>
</tr>
<tr>
<td>M. Kracker</td>
<td>01.10.2017</td>
<td>Primary key changed.</td>
</tr>
</tbody>
</table>
5.27 REG403_APPLN_STATUS: Application Status

This reference table contains the label for each application status.

<table>
<thead>
<tr>
<th>STATUS</th>
<th>ep-patent-status @status-code</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATUS_TEXT</td>
<td>ep-patent-status/</td>
</tr>
</tbody>
</table>

Primary key | STATUS
Foreign key |

| Comments | n/a |

**Modification history**

<table>
<thead>
<tr>
<th>Author of update</th>
<th>Date of update</th>
<th>Explanation of update</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Kracker</td>
<td>01.010.2017</td>
<td>New table</td>
</tr>
</tbody>
</table>
6 Attribute descriptions

For each of the attributes the source database is EP Register. Exception: For the attribute APPLN_ID the source database is DOCDB.

6.1 ADDRESS_1, ADDRESS_2, ADDRESS_3, ADDRESS_4, ADDRESS_5

Name: Address line 1, Address line 2, Address line 3, Address line 4, Address line 5
Tables: REG107_PARTIES, REG111_LICENSEE
Description: First / Second / Third / Forth / Fifth address line of a person
Default value: empty
Domain: string up to 255 characters
Source field name

```
<addressbook>
  <name>Kofuji, Shiro</name>
  <address>
    <address-1>c/o Hitachi, Ltd.</address-1>
    <address-2>Intellectual Property Group</address-2>
    <address-3>12th Floor, Marunouchi Center Building</address-3>
    <address-4>Marunouchi 1-chome</address-4>
    <address-5>Chiyoda-ku, Tokyo 100-8220</address-5>
  </address>
  <country>JP</country>
</addressbook>
```

Comments
Note: In PATSTAT Online these attributes are not populated.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Comment added;

6.2 AGENT_ADDRESS_1, AGENT_ADDRESS_2, AGENT_ADDRESS_3,
AGENT_ADDRESS_4, AGENT_ADDRESS_5

Name: Opponent's agent address line 1, 2, 3, 4 or 5
Table: REG130_OPPONENT
Description: First / Second / Third / Forth / Fifth address line of the opponent's agent
Default value: empty string
Domain: string up to 255 characters
Source field name

```
<opponent sequence="01">
  <agent rep-type="agent" sequence="1">
    <addressbook>
```

```
```
<name>Laminger, Norbert</name>
<address>
  <address-1>Pinter, Laminger &amp; Weiss OG Patentanwälte Prinz-Eugen-Strasse</address-1>
  <address-2>70</address-2>
  <address-3>1040 Wien</address-3>
</address>
</addressbook>

Comments
Note: In PATSTAT Online these attributes are not populated.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Comment added;
  Attributes for 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> address line added

6.3  AGENT_COUNTRY

Name: Country of opponent's agent address
Table: REG130_OPPONENT
Description: The country code of the opponent's agent
Default value: empty string
Domain: Up to 2 characters (A-Z), according to WIPO ST.3

Source field name
<opponent sequence="01">
  <agent rep-type="agent" sequence="1">
    <addressbook>
      <name>Laminger, Norbert</name>
      <address>
        <address-1>Pinter, Laminger &amp; Weiss OG Patentanwälte Prinz-Eugen-Strasse</address-1>
        <address-2>70</address-2>
        <address-3>1040 Wien</address-3>
        <country>AT</country>
      </address>
    </addressbook>
  </agent>
</opponent>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.4 AGENT_NAME

Name: Name of opponent's agent
Table: REG130_OPPONENT
Description: The name of the opponent's agent
Default value: empty string
Domain: string up to 255 characters
Source field name

<opponent sequence="01">
  <agent rep-type="agent" sequence="1">
    <addressbook>
      <name>Laminger, Norbert</name>
      ...
    </addressbook>
  </agent>
</opponent>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.5 APPEAL_DATE

Name: Date when the appeal was filed
Table: REG125_APPEAL
Description: Date when the appeal was filed
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name

<ep-appeal-data appeal-num="T0848/07-3201" appeal-phase="opposition">
  <date>20070503</date>
  <ep-appeal-result date="20070618">WITHDRAWAL OF APPEAL OF THE OPPONENT</ep-appeal-result>
</ep-appeal-data>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.6 APPEAL_NR

**Name:** The appeal number  
**Table:** REG125_APPEAL, REG127_PETITION RVW  
**Description:** The appeal number allocated to this appeal or the number of the appeal that is subject of this petition for review  
**Default value:** empty string  
**Domain:** string up to 20 characters  
**Source field name**

Appeal case – see table REG125_APPEAL

```xml
<ep-appeal-data appeal-num="T0848/07-3201" appeal-phase="opposition">
  <date>20070503</date>
  <ep-appeal-result date="20070618">WITHDRAWAL OF APPEAL OF THE OPPONENT</ep-appeal-result>
</ep-appeal-data>
```

Petition for review on an appeal case – see table REG127_PETITION RVW

```xml
<ep-petition-review petition-review-num="R0004/10">
  <ep-petition-review-appeal-number>T0880/08-3503</ep-petition-review-appeal-number>
  <ep-petition-review-result date="20100416"/>
  <ep-petition-review-petitioner-code>APPR</ep-petition-review-petitioner-code>
  <ep-petition-review-decision-date date="20100927")>
  <ep-petition-review-decision-date>WITHDRAWAL OF THE PETITION FOR REVIEW</ep-petition-review-decision-date>
</ep-petition-review>
```

**Comments**

n/a

**Modification history**

**Author of update** - Date of update - Explanation of update

M. Kracker – 2015-04-01 – Version 2.00  
M. Kracker – 2015-10-01 – Attribute name changed (was: APPEAL_NUMBER)

6.7 APPLN_AUTH

**Name:** Application authority  
**Table:** REG101_APPLN, REG118_PREV_FILED_APPLN  
**Description:** Office where the application has been filed. In table REG101_APPLN this attribute is always ‘EP’, because the scope of this database is European patents.  
**Default value:** n/a  
**Domain:** Up to 2 characters (A-Z), according to [WIPO ST.3](https://www.wipo.int/wipolex/en/search-result.jsp?openSearch=true&query=st.3)
Source field name
<application-reference change-gazette-num="2000/28">
  <document-id>
    <country>EP</country>
    <doc-number>00102538</doc-number>
    <date>19920826</date>
  </document-id>
</application-reference>

Comments
In table REG101_APPLN this attribute is always ‘EP’, because the scope of this database is European patents.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2016-10-01 – Description changed
M. Kracker – 2017-04-01 – Clarification in description and domain

6.8 APPLN_DATE

Name: Application filing date
Table: REG118_PREV_FILED_APPLN
Description: Date when the application was filed
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)

Source field name
<previously-filed-application change-gazette-num="2010/06">
  <document-id document-id-type="previously filed application">
    <country>WO</country>
    <doc-number>2006IB04269</doc-number>
    <kind>A1</kind>
    <date>20061109</date>
  </document-id>
</previously-filed-application>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.9 APPLN_FILING_DATE

Name: Application filing date
Table: REG101_APPLN
Description: Date on which the application was received at the Patent Authority. The filing date for EURO-PCT is always the PCT filing date.

Default value: 9999-12-31 (= unknown date)

Domain: Date (up to 9999-12-31)

Source field name
<application-reference change-gazette-num="2000/28">
  <document-id>
    <country>EP</country>
    <doc-number>00102538</doc-number>
    <date>19920826</date>
  </document-id>
</application-reference>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.10 APPLN_ID

Name: Application identifier
Table: REG101_APPLN

Description: Application Identifier
- APPLN_ID > 0 indicates that this application is either
  - an EP direct application or
  - a PCT international application which has entered the EP regional phase (EURO-PCT).
  You can link to the corresponding EP application in the PATSTAT Global database via the attribute APPLN_ID which occurs in both databases.
- APPLN_ID = 0 indicates that this application has not entered the EP regional phase. Therefore the PATSTAT Global database does not contain a corresponding EP application.

Default value: 0

Domain: Number, 0 ... 999 999 999

Source database: DOCDB

Source field name:
<exch:application-reference is-representative="NO" doc-id="57179392" data-format="docdb">
  <document-id>
    <country>EP</country>
    <doc-number>08842954</doc-number>
    <kind>A</kind>
    <date>20081024</date>
  </document-id>
</exch:application-reference>
Comments
PATSTAT DOCDB is a subscription product that must be purchased separately from the EPO.
See also section 4.2 “Linking PATSTAT EP Register with PATSTAT Global”.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.11 APPLN_NR

Name: Application number
Table: REG101_APPLN, REG118_PREV_FILED_APPLN
Description: Application number as issued by the application authority
Default value: n/a
Domain: string of 8 digits, e. g. '00123456'.
Leading zeros are significant.
Source field name
<application-reference change-gazette-num="2000/28">
  <document-id>
    <country>EP</country>
    <doc-number>00102538</doc-number>
    <kind>A</kind>
    <date>19920826</date>
  </document-id>
</application-reference>

Comments
Note that the attribute must not be a numerical attribute but a text string attribute because leading zeros are significant.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.12 BIO_DEPOSIT

Name: Indicator for a deposit of biological material
Table: REG101_APPLN
Description: An indicator telling whether one or more deposits of biological material have been made (R.32 EPC) or not.
Default value: n/a
Domain: 1 ASCII character: Y or N
Source field name
The value Y is assigned if one XML tag bio_deposit/dtext contains “one or more deposits”, otherwise N.
<bio-deposit num=""/>
    <depositary/>
    <bio-accnr/>
    <dtext>one or more deposits</dtext>
</bio-deposit>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-10-01 – Version 3.00

6.13 BULLETIN_DATE

Name: Bulletin date
Table: REG301_EVENT_DATA
Description: For events that have also been published in the bulletin: date of publication in the bulletin
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name
<events-data>
    <dossier-event event-type="new" id="EVT_755153">
        <event-date>
            <date>20000811</date>
        </event-date>
        <event-code>0009012</event-code>
        <event-text event-text-type="DESCRIPTION">Publication in section I.1 EP Bulletin</event-text>
    </dossier-event>
</events-data>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.14 BULLETIN_NR

Name: The issue number of the EPO Bulletin
Table: multiple tables; for details see attribute BULLETIN_YEAR
Description: For actions that have been published in the EPO Bulletin: the Bulletin number indicates the calendar week the Bulletin has been published
Default value: 0 (= not published or not known)
See attribute BULLETIN_YEAR to get a list of tables which may contain the BULLETIN_NR.
Domain: Number, 0 .. 53
The default value is only used and is always used if the attribute BULLETIN_YEAR is 0.
Source field name

Comments
Its format should always be WW, except value 0 when not provided (input is empty or N/P).

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.15 BULLETIN_YEAR

Name: The year number of the EPO Bulletin
Table: multiple tables; details see below
Description: For actions that have been published in the EPO Bulletin: The year of the publication in the bulletin.
Default value: 0 (= not published or known)
Domain: 0 or a 4 digit number representing YYYY

The attributes BULLETIN_YEAR and BULLETIN_NR always contain a value which is not the default value in these tables:
- REG113_TERMS_OF_GRANT
- REG118_PREV_FILED_APPLN
The attributes BULLETIN_YEAR and BULLETIN_NR may contain a non-default value which in these tables. If not, the default value is used.

- REG102_PAT_PUBLN
- REG103_IPC
- REG106_PRIOR
- REG107_PARTIES
- REG108_APPLICATION_STATES
- REG109_DESTINATION_STATES
- REG110_TITLE
- REG111_LICENSEE
- REG112_LICENSEE_STATES
- REG114_DATES
- REG130_OPPONENT
- REG135_TEXT
- REG136_SEARCH_REPORT
- REG201_PROC_STEP
- REG301_EVENT_DATA

Source field name

```xml
<source-field-name events-data>
  <dossier-event event-type="new" id="EVT_755153">
    <event-date>
      <date>20000811</date>
    </event-date>
    <event-code>0009012</event-code>
    <event-text event-text-type="DESCRIPTION">Publication in section I.1 EP Bulletin</event-text>
    <gazette-reference>
      <gazette-num>2000/39</gazette-num>
      <date>20000927</date>
    </gazette-reference>
  </dossier-event>
</source-field-name>
```

Comments

Its format should always be YYYY, except value 0 when not provided (input is empty or N/P).

Modification history

Author of update - Date of update - Explanation of update

M. Kracker – 2015-04-01 – Version 2.00

6.16 CAUSE INTERRUPTION

Name: Reason for interruption of proceedings

Table: REG114_DATES

Description: Reason for the interruption of proceedings (R.142 EPC)

Default value: NA
Domain: 2 ASCII characters
NA  not applicable or unknown
IA  legal incapacity of applicant
IR  legal incapacity of representative
PA  legal prevention of applicant
DR  death of representative
DA  death of applicant

Source field name
<pre>  <proceedings-interrupted cause=" Interruption of proceedings, reason: representative died (R90(1C))"/>
    <date>20020501</date>
</proceedings-interrupted>
</pre>

Comments
This attribute is only set to a non-default value if attribute DATE_TYPE = PRCITR, meaning “Proceedings interrupted”

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Attribute renamed (was: CAUSE);
 Numeric codes replaced by mnemonic codes

6.17 CHANGE_DATE

Name: Date of change
Table: REG103_IPC, REG106_PRIOR, REG107_PARTIES,
 REG109_DESIGNATED_STATES, REG110_TITLE, REG111_LICENSEE,
 REG113_TERMS_OF_GRANT, REG130.OPPONENT, REG135_TEXT
Description: The date when the data has been changed in the respective IT application of the EPO.
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name:
The XML attribute “change-date within the respective XML element, e. g.:
 <agents change-gazette-num="2000/31" change-date="20000616">

Comments
The change date is the date the update takes place in RegDB database, actually the moment when the record was saved in the database.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-10-01 – Version 3.00
M. Kracker – 2016-04-01 – Comment added
6.18 CHILD_ID

**Name:** ID identifying a related child application  
**Table:** REG117_RELATION  
**Description:** A technical identifier (surrogate key) for a child application.  
**Default value:** n/a  
**Domain:** Number 1 ... 999 999 999  
**Source field name**  
(***xxx** being division or continuation)

```xml
<related-documents>
  <division>
    <relation>
      <parent-doc>
        <document-id>
          <country/>
          <doc-number/>
        </document-id>
      </parent-doc>
      <child-doc>
        <document-id document-id-type="application number">  
          <country>EP</country>  
          <doc-number>20050005154</doc-number>  
          <kind>D</kind>
        </document-id>  
        <document-id document-id-type="publication number">  
          <country>EP</country>  
          <doc-number>1541284</doc-number>  
          <kind>D</kind>
        </document-id>
      </child-doc>
    </relation>
  </division>
</related-documents>
```

**Comments**  
A child application is related to its parent application. The type of the relation is given by attribute RELATION_TYPE.

**Modification history**  
**Author of update** - Date of update - Explanation of update  
**M. Kracker** – 2015-10-01 – Version 3.00

6.19 CONVERTED_TO_COUNTRY

**Name:** The country to which the application was converted into a national application
Table: REG114_DATES
Description: The country to which the application was converted into a national application
Default value: empty string
Domain: up to about 100 ASCII characters, consisting of an alphabetically ordered list of 2-character country codes (according to WIPO ST.3), with each country separated by a comma ".":
Examples: 'AT' or 'ES, IT' or 'DE, FR, GB, IT, NL, SE'
Source field name
<dates-rights-effective>
  <request-for-examination change-gazette-num="2001/46">
    <date>20010803</date>
  </request-for-examination>
  <request-for-conversion-to-national-application change-gazette-num="2002/24">
    <date>20050504</date>
  </request-for-conversion-to-national-application>
</dates-rights-effective>

Comments
This attribute is only set to a non-default value if attribute DATE_TYPE = REQCNV, meaning “Request for conversion to national application”

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Attribute renamed (was: DATES_RIGHTS_COUNTRY)
M. Kracker – 2016-10-01 – Separator character was changed to comma-

6.20 COUNTRY

Name: Country code
Table: REG107_PARTIES, REG108_APPLICANT_STATES, REG111_LICENSEE
Description: Country code for patent parties (applicant/inventor/agent), designated states of applicant, or country code of licensees
Default value: empty
Domain: Up to 2 characters (A-Z), according to WIPO ST.3 and including RH (South Rhodesia) and AN (Netherlands Antilles)

Source field name for COUNTRY in REG107_PARTIES and REG111_LICENSEE
<addressbook>
  <name>NEC Corporation</name>
  <address>
    <address-1>7-1, Shiba 5-chome Minato-ku</address-1>
    <address-2>Tokyo 108-8001</address-2>
    <country>JP</country>
  </address>
</addressbook>
**Source field name** for COUNTRY in REG108_APPLICANT_STATES

```
<applicant app-type="applicant" designation="as-indicated" sequence="2">
  <addressbook cdsid="1 01489041">
    <name>PHILIPS ELECTRONICS N.V.</name>
    <address>
      <address-1>Groenewoudseweg 1</address-1>
      <address-2>NL-5621 BA Eindhoven</address-2>
      <country>NL</country>
    </address>
  </addressbook>
  <nationality>
    <country/>
  </nationality>
  <residence>
    <country/>
  </residence>
  <designated-states>
    <country>DE</country>
    <country>GB</country>
    <country>IT</country>
  </designated-states>
</applicant>
```

Comments
n/a

**Modification history**

**Author of update** - Date of update - Explanation of update

**M. Kracker** – 2015-04-01 – Version 2.00

**M. Kracker** – 2019-04-01 – Domain extended

---

**6.21 CUSTOMER_ID**

**Name:** Customer Identifier

**Table:** REG107_PARTIES, REG111_LICENSEE, REG130_OPPONENT

**Description:** The identifier of a customer, which can be a legal or natural person. If a customer has several roles (applicant, inventor, representative, licensee, opponent) he usually has several CUSTOMER_IDS.

**Default value:** empty

**Domain:** 10 (max. 20) digits and/or spaces

**Source field name**

```
<addressbook cdsid="0100726491">
  <name>Bioalliance Pharma</name>
  <address>
    <address-1>49, boulevard du Général Martial Valin 1st Floor</address-1>
    <address-2>75015 Paris</address-2>
    <country>FR</country>
  </address>
</addressbook>
```
Comments
Not every person has a CUSTOMER_ID assigned. A first analysis (2015 Autumn version) shows that a CUSTOMER_ID value is assigned to all applicants and legal representatives. Persons which are only inventors (and not e. g. also applicants) do not have a CUSTOMER_ID. There also seem to be a CUSTOMER_ID for opponents. Every named licensee has as CUSTOMER_ID, but only a minority of entries in table REG111_LICENSEE contain a licensee name.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-10-01 – Version 3.00

6.22 DATE_DISPATCH_ALLOWANCE

Name: The dispatch date of the intention to limit the patent
Table: REG128_LIMITATION
Description: The date of dispatch of the intention to limit the patent
Default value: n/a
Domain: Date
Source field name
<ep-limitation-procedure>
  <ep-limitation-filing>
    <ep-limitation-filing-date>
      <date>20090123</date>
    </ep-limitation-filing-date>
  </ep-limitation-filing>
  <ep-limitation-filing-decision>
    <text>admissible</text>
  </ep-limitation-filing-decision>
</ep-limitation-filing>
<ep-limitation-allowed>
  <ep-limitation-request-dispatch-date>
    <date>20090508</date>
  </ep-limitation-request-dispatch-date>
  <ep-limitation-request-pay-date>
    <date>20090806</date>
  </ep-limitation-request-pay-date>
</ep-limitation-allowed>
</ep-limitation-procedure>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
### 6.23 DATE_DISPATCH_REJECTION

**Name:** The date of dispatch of the decision to reject the request for limitation  
**Table:** REG128_LIMITATION  
**Description:** The date of dispatch of the decision to reject the request for limitation  
**Default value:** n/a  
**Domain:** Date  
**Source field name**  
<ep-limitation-rejection-dispatch-date>  
   <date>20090508</date>  
</ep-limitation-rejection-dispatch-date>  

**Comments**  
n/a  

**Modification history**  
**Author of update** - Date of update - Explanation of update  
M. Kracker – 2015-04-01 – Version 2.00

### 6.24 DATE_INTERLOC_REVISION

**Name:** Date when an interlocutory revision of the appeal took place  
**Table:** REG125_APPEAL  
**Description:** Date when an interlocutory revision of the appeal took place.  
**Default value:** 9999-12-31  
**Domain:** Date (up to 9999-12-31)  
**Source field name**  
<ep-date-interlocutory-revision>  
   <date>20090508</date>  
</ep-date-interlocutory-revision>  

**Comments**  
n/a  

**Modification history**  
**Author of update** - Date of update - Explanation of update  
M. Kracker – 2015-04-01 – Version 2.00

### 6.25 DATE_LEGAL_EFFECT_REJECTION

**Name:** The legal effect date of the rejection of the request for limitation  
**Table:** REG128_LIMITATION  
**Description:** The date of legal effect of the rejection of the request for limitation  
**Default value:** 9999-12-31  
**Domain:** Date (up to 9999-12-31)  
**Source field name**
<ep-limitation-rejection-legal-date>
  <date>20090508</date>
</ep-limitation-rejection-legal-date>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.26 DATE_OPP_FILED

Name: The date this opposition was filed
Table: REG130_OPPONENT
Description: The date when this opposition was filed (R.143(1)(q) EPC)
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name
<opposition-data change-gazette-num="2003/36">
  <opponent sequence="01">
    <date-opposition-filed>
      <date>20030714</date>
    </date-opposition-filed>
  </opponent>
</opposition-data>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Attribute name changed

6.27 DATE_PAYMENT_ALLOWANCE

Name: The payment date of the publication fee of the new limited specification
Table: REG128_LIMITATION
Description: The date of payment of the fee for publishing the new patent specification, after a limitation procedure
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name
<ep-limitation-procedure>
<ep-limitation-filing>
  <ep-limitation-filing-date>
    <date>20090123</date>
  </ep-limitation-filing-date>
  <ep-limitation-filing-decision>
    <text>admissible</text>
  </ep-limitation-filing-decision>
</ep-limitation-filing>
<ep-limitation-allowed>
  <ep-limitation-request-dispatch-date>
    <date>20090508</date>
  </ep-limitation-request-dispatch-date>
  <ep-limitation-request-pay-date>
    <date>20090806</date>
  </ep-limitation-request-pay-date>
</ep-limitation-allowed>
</ep-limitation-procedure>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.28 DATE_STATE_GROUNDSFiled

Name: Date when the statement of grounds for the appeal was filed
Table: REG125_APPEAL
Description: Date when the statement of grounds for the appeal was filed
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name
<ep-appeal-data appeal-num="T0022/04-3401" appeal-phase="examination">  
  <date>20030924</date>
  <ep-date-statement-of-grounds-filed>
    <date>20031202</date>
  </ep-date-statement-of-grounds-filed>
</ep-appeal-data>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.29 DATE_TYPE

**Name:** The type of a date  
**Table:** REG114_DATES  
**Description:** Defines the meaning of the date  
**Default value:** n/a  
**Domain:** 6 ASCII characters

<table>
<thead>
<tr>
<th>DATE_TYPE</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RQEXAM</td>
<td>Request for examination; date when the request for examination was validly made (R.70(1) EPC)</td>
</tr>
<tr>
<td>FEXRRQ</td>
<td>First examination report requested; date of dispatch of the first communication from the examining division</td>
</tr>
<tr>
<td>PMNTAM</td>
<td>Patent maintained as amended; date of publication of the B2 document (patent maintained as amended) (R.82 EPC)</td>
</tr>
<tr>
<td>PRCITR</td>
<td>Proceedings interrupted; the date as of when the procedure was interrupted (R.142 EPC), with the cause of the interruption</td>
</tr>
<tr>
<td>PRCRES</td>
<td>Proceedings resumed; the date of resumption of the procedure resumed (R.14 und R.142 EPC)</td>
</tr>
<tr>
<td>PRCSUS</td>
<td>Proceedings suspended; date on which the procedure was suspended, with the reason for the suspension (R.14 EPC)</td>
</tr>
<tr>
<td>RQCONV</td>
<td>Req. for conversion to nat. application; date when the application was converted into a national application (A.135 EPC)</td>
</tr>
<tr>
<td>WDRWNA</td>
<td>Application withdrawn by applicant; date when the applicant withdrew his application (R.143(1)(n) EPC)</td>
</tr>
<tr>
<td>DWDRWN</td>
<td>Application deemed withdrawn; legal effect date when the application was deemed to be withdrawn (R.143(1)(n) EPC)</td>
</tr>
<tr>
<td>RQREVO</td>
<td>Request for revocation; data concerning the handling of the request for revocation of the patent filed by the proprietor (R.90 – R.95 EPC)</td>
</tr>
<tr>
<td>OPPNFI</td>
<td>Opposition not filed; date when the time limit for filing opposition expired (A.99(1) EPC)</td>
</tr>
</tbody>
</table>

**Source field name:**  
The XML element to be used is defined in section 5.13 “REG114_DATES: Various dates”

Example:  
<dates-rights-effective>  
  <request-for-examination>  
    <date>20011020</date>  
  </request-for-examination>  
  <first-examination-report-despatched>
6.30 DESIGNATED_STATES

Name: Designated states
Table: REG109_DESIGNATED_STATES
Description: List of designated states
Default value: n/a
Domain: up to about 150 ASCII characters, consisting of an alphabetically ordered list of 2-character country codes (according to WIPO ST.3), with each country separated by a comma ",".
Examples: 'AT' or 'ES, IT' or 'DE, FR, GB, IT, NL, SE'

Source field name
<designation-of-states change-gazette-num="2000/42">
  <designation-pct>
    <regional>
      <country>EP</country>
    </regional>
    <country>AT</country>
    <country>BE</country>
    <country>CH</country>
    <country>CY</country>
    <country>DE</country>
    <country>DK</country>
    <country>ES</country>
    <country>FI</country>
    <country>FR</country>
    <country>GB</country>
    <country>GR</country>
    <country>IE</country>
    <country>IT</country>
    <country>LI</country>
    <country>LU</country>
    <country>MC</country>
    <country>NL</country>
    <country>PT</country>
    <country>SE</country>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-10-01 – Version 3.00
Comments
There are these types of designated states (see also attribute STATE_TYPE):

- Member states of the European Patent Convention (EPC) (R.143(1)(e) EPC)
- Extension states:
  See also in table REG201_PROC_STEP attribute STEP_CODE = ‘EXPT’ and in section 7.10 “EXPT — Extension of patent to extension states”.
- Validation states:
  See also in table REG201_PROC_STEP attribute STEP_CODE = ‘VAPT’ and in section 7.42 “VAPT — Extension of patent to validation states”.

For a list of former and current member, extension and validation states see [https://www.epo.org/about-us/foundation.html](https://www.epo.org/about-us/foundation.html).

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2016-10-01 – Domain has changed
M. Kracker – 2018-04-01 – Comment revised

6.31 DESIGNATION

Name: Type of designation
Table: REG107_PARTIES, REG111_LICENSEE
Description: Type of designation
Default value: empty string
Domain: up to 12 characters: “all”, “as-indicated” or the empty string.
   The empty string occurs only in table REG107_PARTIES for inventors and representatives, because DESIGNATION is only applicable for applicants.

Source field name
Applicant case: see table REG107_PARTIES
<parties>
    <applicants change-gazette-num="2005/48">
        <applicant app-type="applicant" designation="all" sequence="1">
            ...
        </applicant>
    </applicants>
</parties>

Licensee case: see table REG111_LICENSEE
<licensee-data change-gazette-num="2001/39">
    <licensee designation="all" sequence="01 00" type-license="exclusive">
        <addressbook>
            <name>Biosynexus Inc.</name>
            <address>
                <address-1>9610 Medical Center Drive, Suite 100</address-1>
                <address-2>Rockville, Maryland 20852</address-2>
            </address>
        </addressbook>
    </licensee>
</licensee-data>
Example of an application with changing applicants and designated countries:

```
select * from reg107_parties
where id = 100549
and type = 'A' -- retrieve only applicants
order by set_seq_nr, seq_nr, country
```

**Modification history**

**Author of update** - Date of update - Explanation of update

**M. Kracker** – 2015-04-01 – Version 2.00

### 6.32 EVENT_CODE

**Name:** The internal code used in the EPO to identify the kind of action  
**Table:** REG301_EVENT_DATA, REG402_EVENT_TEXT  
**Description:** The internal code used in the EPO to identify the kind of action  
**Default value:** n/a  
**Domain:** up to 30 characters  
**Source field name**

```
<events-data>
  <dossier-event event-type="new" id="EVT_755153">
    <event-date>
      <date>20000811</date>
    </event-date>
    <event-code>0009012</event-code>
    <event-text event-text-type="DESCRIPTION">Publication in section I.1 EP Bulletin</event-text>
  </dossier-event>
</events-data>
```

**Comments**

The EVENT_CODE contains some descriptive elements. When the following digits or letters are part of the code the meaning is:

- 9199 comes up before B1 publication (e.g. 0009199EPPI)
- 9299 comes up after B1 publication (e.g. 0009299WDRA)
- N New (e.g. EPIDOSNRFE2)
- C Change (e.g. EPIDOSCRFE2)
A list of all legal events can be viewed or downloaded as an XML file from the EPO home page: https://register.epo.org/allEvents?lng=en

Attention: This attribute EVENT_CODE must not be confused with the attribute EVENT_CODE of tables TLS231_INPADOC_LEGAL_EVENT and TLS803_LEGAL_EVENT_CODE, which both are in the PATSTAT Global database. There the codes are different and refer to legal events used in various offices, not just at the EPO.

**Modification history**

**Author of update** - Date of update - Explanation of update

**M. Kracker** – 2015-04-01 – Version 2.00
**M. Kracker** – 2015-10-01 – Comment added
**M. Kracker** – 2017-04-01 – Comment amended

### 6.33 EVENT_DATE (in table REG114_DATES)

- **Name:** The date as defined by DATE_TYPE
- **Table:** REG114_DATES  
- **Description:** The date corresponding to the DATE_TYPE attribute.  
- **Default value:** 9999-12-31  
- **Domain:** Date (up to 9999-12-31)

The meaning of this attribute depends on the DATE_TYPE attribute in table REG114_DATES.

**Source field name**

The XML element to be used is defined in section 5.13 “REG114_DATES: Various dates”

**Example:**

```
<dates-rights-effective>
    <request-for-examination>
        <date>20011020</date>
    </request-for-examination>
    <first-examination-report-despatched>
        <date>20011020</date>
    </first-examination-report-despatched>
</dates-rights-effective>
```

**Comments**

For date with DATE_TYPE = **WDRWNA:**
In case of a deletion of the previous withdrawal date, a new date ‘9999-12-31’ will be issued.

For date with DATE_TYPE = **DWDRWN:**
In case of a deletion of the previous withdrawal date, a new date ‘9999-12-31’ will be issued.
6.34 EVENT_DATE (in table REG301_EVENT_DATA)

**Name:** The date when the event was entered into the file  
**Table:** REG301_EVENT_DATA  
**Description:** The date when the event was entered into the file, so it may differ from the effective legal/filing date of the event concerned.  
**Default value:** n/a  
**Domain:** Date  
**Source field name** <events-data>  
  <dossier-event event-type="new" id="EVT_755153">  
    <event-date>  
      <date>20000811</date>  
    </event-date>  
    <event-code>0009012</event-code>  
    <event-text event-text-type="DESCRIPTION">Publication in section I.1 EP Bulletin</event-text>  
    <gazette-reference>  
      <gazette-num>2000/39</gazette-num>  
      <date>20000927</date>  
    </gazette-reference>  
  </dossier-event>  
</events-data>  

**Comments**  
n/a  

**Modification history**  
**Author of update** - Date of update - Explanation of update  
**M. Kracker** – 2015-04-01 – Version 2.00  
**M. Kracker** – 2015-10-01 – Attribute renamed (was: DATE_RIGHTS_EFFECTIVE)  
**M. Kracker** – 2016-04-01 – Attribute renamed (was: DATE)

6.35 EVENT_TEXT

**Name:** Description in clear text of the action  
**Table:** REG402_EVENT_TEXT  
**Description:** Description in clear text of the action  
**Default value:** n/a
Comments
There are 2 possible EVENT_TEXT entries when the applicant/proprietor changes: “Change – applicant” and “Change – name/address”. Users should NOT infer that the “Change – applicant” event means a transfer of rights from one applicant to another. Even in case of a simple address change of an applicant a “Change – applicant” event and not a “Change – name/address” event might have been published.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.36 FILING_LG

Name: The language in which the application was filed
Table: REG101_APPLN
Description: The language in which the application was filed
Default value: empty
Domain: up to 2 characters, ISO 639-1 language codes
Source field name

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.37 ID

**Name:** ID identifying an application  
**Table:** all tables, except REG401_APPEAL_RESULT and REG402_EVENT_TEXT  
**Description:** A technical identifier (surrogate key) for an application, without business meaning. Its values will not change from one PATSTAT edition to the next.  
**Default value:** n/a  
**Domain:** Number 1 ... 999 999 999  

**Source field name**  
<register-document date-produced="20120213" dtd-version="1.0" lang="en" produced-by="RO" status="EXAMINATION REQUESTED">  
  <bibliographic-data country="EP" id="EP06798168P" lang="en" status="EXAMINATION REQUESTED">  

The ID is a number derived from the XML attribute "id" without the prefix EP and without the suffix P.

**Comments**  
This attribute holds a numerical value which – in this special case - corresponds to the application number of the EP patent, whereby, leading zeros are ignored. Therefore its value is stable, which means that a certain EP application has the same value in attribute ID in all past and future PATSTAT editions.

**Modification history**  
*Author of update* - Date of update - Explanation of update  
M. Kracker – 2015-04-01 – Version 2.00  
M. Kracker – 2017-04-01 – Comment added  

6.38 INTERNAT_APPLN_ID

**Name:** Application ID of the international application (i.e. PCT application)  
**Table:** REG101_APPLN  
**Default value:** 0  
**Domain:** 0 .. 999 999 999  

**Source field name**  
This value is computed based on  
- table REG101_APPLN, attribute INTERNAT_APPLN_NR and  
- table TLS201_APPLN, attributes APPLN_NR_EPODOC and INTERNAT_APPLN_ID

**Comments**  
This attribute allows for each PCT application in PATSTAT EP Register to easily retrieve the corresponding PCT application in PATSTAT Global. You just have to join the non-zero
values of attribute REG101_APPLN INTERNAT_APPLN_ID with the attribute TLS201_APPLN_APPLN_ID. This also works for PCT applications in PATSTAT EP Register which have not (yet) entered the EP regional phase, and whose attribute APPLN_ID therefore is 0 (the default value). For more information see section 4.2 "Linking PATSTAT EP Register with PATSTAT Global".

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2017-04-01 – New attribute

6.39 INTERNAT_APPL_NR

Name: International application number
Table: REG101_APPLN
Default value: empty string
Domain: up to 15 characters
Unless this attribute is empty, it will have the format WO<yyyy><cc>nnnn..n
Source field name
<application-reference>
  <document-id>
    <country>WO</country>
    <doc-number>WO2012CN74875</doc-number>
  </document-id>
</application-reference>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.40 IPC_TEXT

Name: IPC classification of the patent as a class string
Table: REG103_IPC
Description: IPC classification of the patent as a class string
Default value: empty
Domain: Up to about 500 characters
Source field name
<classifications-ipcr change-gazette-num="2000/32">
  <classification-ipcr id="CLASSIFICATION_3008">
    <text>C07C69/38, C07C67/11</text>
  </classification-ipcr>
</classifications-ipcr>
Comments
The <text> element can contain 0 to n IPC symbols. The data is not updated on a regular basis. Only due to a request for publication in the EP Bulletin, the IPC data is updated. Up-to-date classification information, like reclassified IPCs, can be retrieved by linking the PATSTAT EP Register data with PATSTAT Global table TLS209_APPLN_IPC via the APPLN_ID attribute.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2019-10-01 – Update of comment

6.41 IS_LATEST

Name: Indicates the latest set of applicants / inventors / representatives / opponents
Table: REG107_PARTIES, REG130_OPPONENT
Description: Y/N flag. Y indicates the latest (= current or most recent) set of applicants / inventors / representatives / opponents
Default value: N
Domain: Y/N
Source field name computed

Comments:

For table REG107_PARTIES:
See attribute SET_SEQ_NR

For table REG130_OPPONENTS:
It will contain “Y” for all <opponent> elements of the first <opposition-data> element. This <opposition-data> element should also have the highest XML attribute CHANGE-DATE. All other table records for the same application should have “N”.

<opposition-data change-date="20080620" change-gazette-num="N/P">
  <opponent sequence="01">
    <addressbook cdsid="0100024916">
      <name>Evonik Degussa GmbH</name>
      <address>
        <address-1>Intell. Prop. Rodenbacher Chaussee 4</address-1>
        <address-2>63457 Hanau</address-2>
        <country>DE</country>
      </address>
    </addressbook>
    <agent rep-type="agent" sequence="1">
      <addressbook>
        <name>Weber, Wolfgang</name>
        <address>
          <address-1>Evonik Degussa GmbH</address-1>
          <address-2>DG-IPM-PAT</address-2>
        </address>
      </addressbook>
    </agent>
  </opponent>
</opposition-data>
6.42 LAPSED_COUNTRY

Name: The country code for which a lapse occurred during the opposition phase or during the period when opposition can be filed
Table: REG113_TERMS_OF_GRANT
Description: The country code for which a lapse occurred during the opposition phase or during the period when opposition can be filed
Default value: n/a
Domain: Up to 2 characters (A-Z), according to WiPO ST.3
Source field name
<term-of-grant change-gazette-num="2007/08">
    <lapsed-in-country>
        <country>CY</country>
        <date>20030507</date>
    </lapsed-in-country>
    <lapsed-in-country>
        <country>FI</country>
        <date>20030507</date>
    </lapsed-in-country>
</term-of-grant>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.43 LAPSED_DATE

Name: The date when a lapse occurred in one of the designated states during the opposition phase or during the period when opposition can be filed
Table: REG113_TERMS_OF_GRANT
Description: The date when a lapse occurred in one of the designated states during the opposition phase or during the period when opposition can be filed
Default value: n/a
Domain: Date
Source field name
<term-of-grant change-gazette-num="2007/08">
    <lapsed-in-country>
        <country>CY</country>
        <date>20030507</date>
    </lapsed-in-country>
    <lapsed-in-country>
        <country>FI</country>
        <date>20030507</date>
    </lapsed-in-country>
</term-of-grant>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.44 LICENSEE_COUNTRY

Name: The countries where the license is valid in case it is not for all designated states
Table: REG112_LICENSEE_STATES
Description: The countries where the license is valid in case it is not for all designated states
Default value: space
Domain: Up to 10 ASCII characters; In most cases up to 2 characters (A-Z), according to WIPO ST.3. Otherwise it is empty or contains the value "(deleted)".
Source field name
<licensee-data change-gazette-num="2006/18">
    <licensee designation="as-indicated" sequence="01" type-license="right-in-rem">
        <effective-in>
            <country>AT</country>
            <country>BE</country>
            <country>CH</country>
        </effective-in>
        <date>20060313</date>
    </licensee>
</licensee-data>
Comments
There is one record in the table per country.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2018-04-01 – Domain has been extended.

6.45 LICENSEE_SEQ_NR

Name: Serial number of license / sub-license
Table: REG111_LICENSEE, REG112_LICENSEE_STATES
Description: Serial number of license / sub license
Default value: n/a
Domain: Up to 10 ASCII characters.
Examples: "01", "01 00", "01 01", "02", "02 00", "03", "deleted".

The first two digits are the serial number of a main license and the optional other two digits represent the serial number of a sub-license.
The maximum serial number for a main license and a sub-license is 10.

The value "deleted" may only occur in table REG111_LICENSEE, not in table REG112_LICENSEE_STATES.

Source field name
<licensee-data change-gazette-num="2006/18">
    <licensee designation="as-indicated" sequence="01" type-license="right-in-rem">
        <effective-in>
            <country>AT</country>
            <country>BE</country>
            <country>CH</country>
        </effective-in>
        <date>20060313</date>
    </licensee>
</licensee-data>

Comments
The sequence is not an integer, but a string (e.g. "01 00")

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Clarification of description and domain
6.46 LIMIT_SEQ_NR

Name: Sequence number of limitation request  
Table: REG128_LIMITATION  
Description: Sequence number of a limitation request  
Default value: n/a  
Domain: Number 1 ... 10  
Source field name  
Every occurrence of /register-documents/register-document/bibliographic-data/office-specific-bib-data/ep-limitation-procedure gets a sequence number, starting with 1. Note that there are very few applications with more than 1 limitation request.

Comments  
n/a

Modification history  
Author of update - Date of update - Explanation of update  
M. Kracker – 2015-10-01 – Version 3.00

6.47 LIMITATION_FILING_DATE

Name: Date when the request for limitation was filed  
Table: REG128_LIMITATION  
Description: Date when the request for limitation was filed  
Default value: n/a  
Domain: Date  
Source field name  
<ep-limitation-procedure>
  <ep-limitation-filing>
    <ep-limitation-filing-date>
      <date>20090123</date>
    </ep-limitation-filing-date>
    <ep-limitation-filing-decision>
      <text>admissible</text>
    </ep-limitation-filing-decision>
  </ep-limitation-filing>
  <ep-limitation-allowed>
    <ep-limitation-request dispatch-date>
      <date>20090508</date>
    </ep-limitation-request dispatch-date>
    <ep-limitation-request-pay-date>
      <date>20090806</date>
    </ep-limitation-request-pay-date>
  </ep-limitation-allowed>
</ep-limitation-procedure>

Comments
6.48 LIMITATION_FILING_DECISION

Name: The decision about admissibility of the limitation request
Table: REG128_LIMITATION
Description: The decision about admissibility of the request for limitation of a patent
Default value: n/a
Domain: Up to about 50 characters
Source field name
<ep-limitation-procedure>
  <ep-limitation-filing>
    <ep-limitation-filing-date>
      <date>20090123</date>
    </ep-limitation-filing-date>
    <ep-limitation-filing-decision>
      <text>admissible</text>
    </ep-limitation-filing-decision>
  </ep-limitation-filing>
  <ep-limitation-allowed>
    <ep-limitation-request-dispatch-date>
      <date>20090508</date>
    </ep-limitation-request-dispatch-date>
    <ep-limitation-request-pay-date>
      <date>20090806</date>
    </ep-limitation-request-pay-date>
  </ep-limitation-allowed>
</ep-limitation-procedure>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.49 MAILED_DATE

Name: Dispatch date of the European supplementary search report
Table: REG136_SEARCH_REPORT
**Description:** This is the dispatch date of the European supplementary search report for an international application

**Default value:** 9999-12-31

**Domain:** Date (up to 9999-12-31)

**Source field name**

```xml
<search-reports-information>
  <search-report-information change-gazette-num="2001/46" declaration-of-no-search="not-determined" office="AU" search-type="isr">
    <search-report-publication>
      <document-id>
        <country>WO</country>
        <doc-number>0043215</doc-number>
        <kind>A1</kind>
        <date>20000727</date>
      </document-id>
    </search-report-publication>
  </search-report-information>
  <search-report-information declaration-of-no-search="not-determined" office="EP" search-type="national-supplementary">
    <date-search-report-mailed>
      <date>20060824</date>
    </date-search-report-mailed>
  </search-report-information>
</search-reports-information>
```

**Comments**

n/a

**Modification history**

**Author of update** - Date of update - Explanation of update

M. Kracker – 2015-04-01 – Version 2.00

---

### 6.50 MISCELLANEOUS_TEXT

**Name:** Miscellaneous text  
**Table:** REG135_TEXT  
**Description:** The additional short note added to the application.  
**Default value:** n/a  
**Domain:** Up to 255 characters  

**Source field name**

```xml
<text change-gazette-num="2001/28" lang="en">EPB 2001/28: The claims are numbered incorrectly</text>
```

**Comments**

The text can be in English, French or German.

**Modification history**

**Author of update** - Date of update - Explanation of update
6.51 NAME

Name: Name of a person
Table: REG107_PARTIES, REG111_LICENSEE
Description: Name of a person (natural person or legal person)
Default value: empty
Domain: Up to 255 characters
Source field name

In table REG107_PARTIES (see section 5.6)
<applicants change-gazette-num="2002/01">
    <applicant app-type="applicant" designation="all" sequence="1">
        <addressbook>
            <name>Epimmune Inc.</name>
            <address>
                <address-1>5820 Nancy Ridge Drive</address-1>
                <address-2>San Diego, CA 92121</address-2>
                <country>US</country>
            </address>
        </addressbook>
        <nationality/>
        <country/>
        <residence/>
        <country/>
    </applicant>
</applicants>

In table REG111_LICENSEE (see section 5.10)
<licensee change-gazette-num="2009/18">
    <licensee designation="as-indicated" sequence="01 01" type-license="exclusive">
        <addressbook>
            <name>Affitech AS</name>
            <address>
                <address-1>Oslo Research Park Gaustadalléen 21</address-1>
                <address-2>0349 Oslo</address-2>
                <country>NO</country>
            </address>
        </addressbook>
        <effective-in>
            <country>AT</country>
            <country>BE</country>
        </effective-in>
        <date>20080926</date>
    </licensee>
</licensee>
Comments
For REG107_PARTIES the name attribute is filled with
register-document/bibliographic-data/parties/applicants/applicant – type is then “A”
register-document/bibliographic-data/parties/inventors/inventor – type is then “I”
register-document/bibliographic-data/parties/agents/agent – type is then “R”

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.52 OFFICE
Name: Search office
Table: REG136_SEARCH_REPORT
Description: Office where the search was carried out
Default value: empty
Domain: Up to 2 characters (A-Z), according to WIPO ST.3
Source field name
<citation cited-in="search" id="cit_70619" office="EP">
    <document-id>
      <country>EP</country>
      <doc-number>0664572</doc-number>
    </document-id>
  </patcit>
  <category>X</category>
</citation>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.53 OPPT_ADDRESS_1, OPPT_ADDRESS_2, OPPT_ADDRESS_3, OPPT_ADDRESS_4, OPPT_ADDRESS_5
Name: The address line 1, 2, 3, 4 and 5 of the opponent
Table: REG130 OPPONENT
Description: First / Second / Third / Forth / Fifth address line of the opponent
Default value: empty string
Domain: up to 255 characters
Comments
Note: In PATSTAT Online these attributes are not populated.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Attribute name changed (was: OPPONENT_ADDRESS_1);
Comment added;
Attributes for 3rd, 4th and 5th address line added

6.54 OPPT_COUNTRY

Name: The address country of the opponent
Table: REG130_OPPONENT
Description: The address country of the opponent
Default value: empty string
Domain: Up to 2 characters (A-Z), according to WIPO ST.3
Source field name

<opposition-data change-gazette-num="2008/11">
  <opponent sequence="01">
    <addressbook>
      <name>VODAFONE GROUP PLC</name>
      <address>
        <address-1>VODAFONE HOUSE THE CONNECTION</address-1>
        <address-2>NEWBURY, BERKSHIRE RG14 2FN</address-2>
        <country>GB</country>
      </address>
    </addressbook>
  </opponent>
  <agent rep-type="agent" sequence="1">
    <addressbook>
      <name>Keston, David Arthur, et al</name>
      <address>
        <address-1>Vodafone Group Services Ltd. Group Legal (Patents) Vodafone</address-1>
        <address-2>House The Connection Newbury</address-2>
        <address-3>Berkshire RG14 2FN</address-3>
        <country>GB</country>
      </address>
    </addressbook>
  </agent>
  <opponent-status status="ADMISSIBLE">
    <date>20050711</date>
  </opponent-status>
  <date-opposition-filed>
    <date>20050628</date>
  </date-opposition-filed>
</opposition-data>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Attribute name changed

6.55 OPPT_NAME

Name: Opponent name
Table: REG130_OPPONENT
**Description:** Opponent name
**Default value:** n/a
**Domain:** up to 255 characters

**Source field name**

```xml
<opposition-data change-gazette-num="2008/11">  
  <opponent sequence="01">  
    <addressbook>  
      <name>VODAFONE GROUP PLC</name>  
      <address>  
        <address-1>VODAFONE HOUSE THE CONNECTION</address-1>  
      </address>  
    </addressbook>  
    <agent rep-type="agent" sequence="1">  
      <addressbook>  
        <name>Keston, David Arthur, et al</name>  
        <address>  
          <address-1>Vodafone Group Services Ltd. Group Legal (Patents) Vodafone</address-1>  
          <address-2>House The Connection Newbury</address-2>  
        </address>  
      </addressbook>  
      <date>20050711</date>  
      <opponent-status status="ADMISSIBLE">  
        <date>20050628</date>  
      </opponent-status>  
    </agent>  
  </opponent>  
</opposition-data>
```

**Comments**

n/a

**Modification history**

**Author of update** - Date of update - Explanation of update

**M. Kracker** – 2015-04-01 – Version 2.00

**M. Kracker** – 2015-10-01 – Attribute name changed

---

**6.56 OPPT_NR**

**Name:** The opponent sequence number
Table: REG130_OPPONENT
Description: The ordinal number of this opponent in the application
Default value: n/a
Domain: Number range 1 ... about 25
Source field name
<opposition-data change-gazette-num="2008/11">
  <opponent sequence="01">
    <addressbook>
      <name>VODAFONE GROUP PLC</name>
      <address>
        <address-1>VODAFONE HOUSE THE CONNECTION</address-1>
        <address-2>NEWBURY, BERKSHIRE RG14 2FN</address-2>
        <country>GB</country>
      </address>
    </addressbook>
  </opponent>
  <agent rep-type="agent" sequence="1">
    <addressbook>
      <name>Keston, David Arthur, et al</name>
      <address>
        <address-1>Vodafone Group Services Ltd. Group Legal (Patents) Vodafone</address-1>
        <address-2>House The Connection Newbury</address-2>
        <address-3>Berkshire RG14 2FN</address-3>
        <country>GB</country>
      </address>
    </addressbook>
  </agent>
  <opponent-status status="ADMISSIBLE">
    <date>20050711</date>
  </opponent-status>
  <date-opposition-filed>
    <date>20050628</date>
  </date-opposition-filed>
</opponent>
</opposition-data>

Comments
The purpose of this number is to identify an opponent within an application, because the opponent name or address may change.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Comment added.
  Attribute name changed (was: OPPONENT_SEQ_NR)
6.57 OPPT_STATUS

**Name:** The status of the opponent  
**Table:** REG130_OPPONENT  
**Description:** The status of the opponent as clear text (e.g. "ADMISSIBLE").  
**Default value:** empty  
**Domain:** up to about 30 characters  
**Source field name**<opposition-data change-gazette-num="2008/11">
   <opponent sequence="01">
      <addressbook>
         <name>VODAFONE GROUP PLC</name>
         <address>
            <address-1>VODAFONE HOUSE THE CONNECTION</address-1>
            <address-2>NEWBURY, BERKSHIRE RG14 2FN</address-2>
            <country>GB</country>
         </address>
      </addressbook>
   </opponent>
   <opponent-status status="ADMISSIBLE">
      <date>20050711</date>
   </opponent-status>
   <date-opposition-filed>
      <date>20050628</date>
   </date-opposition-filed>
</opposition-data>

**Comments**

n/a

**Modification history**

**Author of update** - Date of update - Explanation of update  
**M. Kracker** – 2015-04-01 – Version 2.00  
**M. Kracker** – 2015-10-01 – Attribute name changed (was: OPPONENT_STATUS)
6.58 OPPT_STATUS_DATE

**Name:** The date of decision about the status of this opponent

**Table:** REG130_OPPONENT

**Description:** The date of decision about the status of this opponent.

**Default value:** 9999-12-31

**Domain:** Date (up to 9999-12-31)

**Source field name**

```xml
<opposition-data change-gazette-num="2008/11">
   <opponent sequence="01">
      <addressbook>
         <name>VODAFONE GROUP PLC</name>
         <address>
            <address-1>VODAFONE HOUSE THE CONNECTION</address-1>
            <address-2>NEWBURY, BERKSHIRE RG14 2FN</address-2>
            <country>GB</country>
         </address>
      </addressbook>
      <agent rep-type="agent" sequence="1">
         <addressbook>
            <name>Keston, David Arthur, et al</name>
            <address>
               <address-1>Vodafone Group Services Ltd. Group Legal (Patents) Vodafone</address-1>
               <address-2>House The Connection Newbury</address-2>
               <address-3>Berkshire RG14 2FN</address-3>
               <country>GB</country>
            </address>
         </addressbook>
      </agent>
      <opponent-status status="ADMISSIBLE">
         <date>20050711</date>
      </opponent-status>
      <date-opposition-filed>
         <date>20050628</date>
      </date-opposition-filed>
   </opponent>
</opposition-data>
```

**Comments**

n/a

**Modification history**

**Author of update** - Date of update - Explanation of update

- **M. Kracker** – 2015-04-01 – Version 2.00
- **M. Kracker** – 2015-10-01 – Attribute name changed (was: OPPONENT_STATUS_DATE)
6.59 PETITIONER_CODE

Name: The petitioner code
Table: REG127_PETITION_RVW
Description: A coded indication of the petitioner, e.g. "APPR" for applicant/proprietor or "OP01" for the first opponent
Default value: n/a
Domain: up to 15 characters.
Examples: “APPR”, “OP01”, “OP02”, “OP10”
Source field name

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.60 PHASE

Name: Phase in which appeal was filed
Table: REG125_APPEAL
Description: The phase of the patent procedure in which this appeal was filed.
Default value: n/a
Domain: up to 12 characters (examination | opposition | revocation | limitation)
Source field name

Comments
n/a
6.61 PRIOR_AUTH

Name: Priority authority
Table: REG106_PRIOR
Description: Authority of the priority document
Default value: n/a
Domain: Up to 2 characters (A-Z), according to WIPO ST.3 and including RH (South Rhodesia).

Source field name

```xml
<priority-claims change-gazette-num="2001/01">
  <priority-claim kind="national" sequence="1">
    <country>DE</country>
    <doc-number>19914122599</doc-number>
    <date>19910708</date>
  </priority-claim>
</priority-claims>
```

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.62 PRIOR_DATE

Name: Priority date
Table: REG106_PRIOR
Description: Filing date of the priority document
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)

Source field name

```xml
<priority-claims change-gazette-num="2001/01">
  <priority-claim kind="national" sequence="1">
    <country>DE</country>
    <doc-number>19914122599</doc-number>
    <date>19910708</date>
  </priority-claim>
</priority-claims>
```

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.63 PRIOR_KIND

Name: Priority kind
Table: REG106_PRIOR
Description: Priority kind
Default value: n/a
Domain: up to 13 characters: “national”, “regional” or “international”
Source field name

<priority-claims change-gazette-num="2001/01">
  <priority-claim kind="national" sequence="1">
    <country>DE</country>
    <doc-number>19914122599</doc-number>
    <date>19910708</date>
  </priority-claim>
</priority-claims>

Comments
Always "national"

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.64 PRIOR_NR

Name: Priority number
Table: REG106_PRIOR
Description: Number of the priority document or indicator that the priority rights have been lost
Default value: n/a
Domain: up to 15 characters:
Number of priority application or the string ‘deleted’
Source field name

<priority-claims change-gazette-num="2001/01">
  <priority-claim kind="national" sequence="1">
    <country>DE</country>
    <doc-number>19914122599</doc-number>
    <date>19910708</date>
  </priority-claim>
</priority-claims>

Comments

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.65 PRIOR_SEQ_NR

Name: Priority sequence number
Table: REG106_PRIOR
Description: The ordinal number of the priority in the application where it is claimed
Default value: n/a
Domain: Number range 0 ... about 500;
Source field name
<priority-claim change-gazette-num="2001/01">
  <priority-claim kind="national" sequence="1">
    <country>DE</country>
    <doc-number>19914122599</doc-number>
    <date>19910708</date>
  </priority-claim>
</priority-claim>

Comments
If one or more priorities are given, then they are numbered starting from 1.
In case the priority rights have been lost, then there will be one entry with PRIOR_SEQ_NR = 0.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Comment changed: There are no PRIOR_NR = ‘deleted’ any more.
M. Kracker – 2017-04-01 – Domain extended

6.66 PUBLN_AUTH

Name: Publication authority
Table: REG102_PAT_PUBLN, REG136_SEARCH_REPORT
Description: Publication authority, which is either EPO or WIPO
Default value: empty string
Domain: ‘EP’ or ‘WO’ or empty
Source field name
<publication-reference change-gazette-num="2000/38">
  <document-id lang="en">
    <country>EP</country>
    <doc-number>1037493</doc-number>
    <kind>A2</kind>
    <date>20000920</date>
  </document-id>
</publication-reference>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.67 PUBLN_DATE

Name: Date of publication
Table: REG102_PAT_PUBLN, REG136_SEARCH_REPORT
Description: Date of publication
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name
<publication-reference change-gazette-num="2000/38">
  <document-id lang="en">
    <country>EP</country>
    <doc-number>1037493</doc-number>
    <kind>A2</kind>
    <date>20000920</date>
  </document-id>
</publication-reference>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.68 PUBLN_KIND

Name: Kind of publication
Table: REG102_PAT_PUBLN, REG136_SEARCH_REPORT

**Description:** Publication kind code (e.g. A1, A3, B1, ..)

**Default value:** empty string

**Domain:** Up to 2 characters consisting of A or B followed by a digit.
The list of all allowed codes is listed below in this Data Catalog.

**Source field name**

<publication-reference change-gazette-num="2000/38">
  <document-id lang="en">
    <country>EP</country>
    <doc-number>1037493</doc-number>
    <kind>A2</kind>
    <date>20000920</date>
  </document-id>
</publication-reference>

**Comments**

**EP-A documents**
European patent applications, published 18 months after filing with the EPO or 18 months after the priority date
A1 European patent application published with European search report
A2 European patent application published without European search report (search report not available at publication date)
A3 Separate publication of European search report
A4 Supplementary search report
A8 Corrected title page of A document (i.e. A1 or A2 document)
A9 Complete reprint of A document (i.e. A1, A2 or A3 document)

**EP-B documents**
European patent specifications
B1 European patent specification (granted patent)
B2 New European patent specification (amended specification after opposition procedure)
B3 European patent specification (after limitation procedure)
B8 Corrected title page of B document (i.e. B1 or B2 document)
B9 Complete reprint of B document (i.e. B1 or B2 document)

**WO-A documents**
A1 International application published with international search report
A2 International application published without international search report or (from 1 January 2009 onwards) international application published with declaration under Article 17(2)(a)
A3 Later publication of international search report with revised front page
A4 Later publication of amended claims and/or statement (Art.19) (from 1 January 2009 onwards)

**Modification history**

**Author of update - Date of update - Explanation of update**

**M. Kracker - 2015-04-01 - Version 2.00**
Description: Language of publication  
Default value: empty string  
Domain: up to 2 characters, ISO 639-1 language codes  
Source field name

<publication-reference change-gazette-num="2000/38">
  <document-id lang="en">
    <country>EP</country>
    <doc-number>1037493</doc-number>
    <kind>A2</kind>
    <date>20000920</date>
  </document-id>
</publication-reference>

Comments  
EP publications are always published in English (en), French (fr) or German (de), but the language is not always indicated.

Modification history  
Author of update - Date of update - Explanation of update  
M. Kracker – 2015-04-01 – Version 2.00

6.70 PUBLN_NR  

Name: Document number for publication  
Table: REG102_PAT_PUBLN, REG136_SEARCH_REPO  
Description: Document number for publication  
Default value: empty string  
Domain: up to 10 digits; leading zeros are significant, e. g. '0044958', so this attribute must be used as a text string not as a numerical value  
Source field name

<publication-reference change-gazette-num="2000/38">
  <document-id lang="en">
    <country>EP</country>
    <doc-number>1037493</doc-number>
    <kind>A2</kind>
    <date>20000920</date>
  </document-id>
</publication-reference>

Comments  
EP publications number always consists of 7 digits and might have leading zeros.

Modification history  
Author of update - Date of update - Explanation of update  
M. Kracker – 2015-04-01 – Version 2.00
6.71 RELATION_TYPE

Name: Type of relation between applications – continuation (A.61(1)(b) EPC) or division
Table: REG117_RELATION
Description: Type of relation between applications - continuation (A.61(1)(b) EPC) or division
Default value: n/a
Domain: up to 12 characters: “continuation” or “division”
Source field name

<related-documents>
  <division>
    <relation>
      <parent-doc>
        <document-id document-id-type="application number">EP
          <country>19970933314</country>
          <doc-number>D</doc-number>
        </document-id>
      </parent-doc>
    </relation>
  </division>
</related-documents>

Stores the tag name directly in the attribute.

Comments
By “continuation” we here mean an application filed in respect to A.61(1)(b) EPC. We do not mean a continuation application according to U.S. patent law.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.72 RESULT

Name: Result of the appeal
Table: REG125_APPEAL
Description: The outcome of an appeal in clear text
Default value: empty string
Domain: up to about 50 characters
Source field name

<ep-appeal-data appeal-num="T0880/08-3503" appeal-phase="opposition">
  <date>20080417</date>
  <ep-date-statement-of-gounds-filed>
    <date>20080704</date>
  </ep-date-statement-of-gounds-filed>
  <ep-appeal-result date="20091218">APPEAL OF PROPRIETOR REJECTED</ep-appeal-result>
</ep-appeal-data>

Comments
n/a
6.73 RESULT_DATE

Name: Date of the outcome (result) of an appeal  
Table: REG125_APPEAL  
Description: Date of the outcome (result) of an appeal  
Default value: 9999-12-31  
Domain: Date (up to 9999-12-31)  
Source field name  
<ep-appeal-data appeal-num="T0880/08-3503" appeal-phase="opposition">  
  <date>20080417</date>  
  <ep-date-statement-of-gounds-filed>  
    <date>20080704</date>  
  </ep-date-statement-of-gounds-filed>  
  <ep-appeal-result date="20091218">APPEAL OF PROPRIETOR REJECTED</ep-appeal-result>  
</ep-appeal-data>

Comments  
n/a

Modification history  
Author of update - Date of update - Explanation of update  
M. Kracker – 2015-04-01 – Version 2.00

6.74 REVIEW_DATE

Name: The date the petition was filed  
Table: REG127_PETITION_RVW  
Description: The date the petition was filed  
Default value: n/a  
Domain: Date  
Source field name  
<ep-petition-review petition-review-num="R0004/10">  
  <ep-petition-review-appeal-number>T0880/08-3503</ep-petition-review-appeal-number>  
  <ep-petition-review-date>  
    <date>20100416</date>  
  </ep-petition-review-date>  
</ep-petition-review>

Modification history  
Author of update - Date of update - Explanation of update  
M. Kracker – 2015-04-01 – Version 2.00
WITHDRAWAL OF THE PETITION FOR REVIEW

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.75 REVIEW_DECISION_DATE

Name: The decision date of a review petition
Table: REG127_PETITION_RVW
Description: The date of the decision taken on a review petition
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
6.76 REVIEW_KIND

**Name:** The review decision kind  
**Table:** REG127_PETITION_RVW  
**Description:** The kind of decision taken, in clear text  
**Default value:** empty string  
**Domain:** up to about 150 characters  

**Source field name**

```xml
<ep-petition-review petition-review-num="R0004/10">
    <ep-petition-review-appeal-number>T0880/08-3503</ep-petition-review-appeal-number>
    <ep-petition-review-date>
        <date>20100416</date>
    </ep-petition-review-date>
    <ep-petition-review-petitioner-code>APPR</ep-petition-review-petitioner-code>
    <ep-petition-review-decision-date>
        <date>20100927</date>
    </ep-petition-review-decision-date>
    <ep-petition-review-decision-date>
        <date>20100927</date>
    </ep-petition-review-decision-date>
    <ep-petition-review-kind>WITHDRAWAL OF THE PETITION FOR REVIEW</ep-petition-review-kind>
</ep-petition-review>
```

**Comments**

n/a

**Modification history**

*Author of update - Date of update - Explanation of update*

M. Kracker – 2015-04-01 – Version 2.00

6.77 REVIEW_NR

**Name:** The review number  
**Table:** REG127_PETITION_RVW  
**Description:** The internal identification number allocated to this petition  
**Default value:** n/a  
**Domain:** up to 15 characters  

**Source field name**

```xml
<ep-petition-review petition-review-num="R0004/10">
    <ep-petition-review-appeal-number>T0880/08-3503</ep-petition-review-appeal-number>
    <ep-petition-review-date>
        <date>20100416</date>
    </ep-petition-review-date>
    <ep-petition-review-petitioner-code>APPR</ep-petition-review-petitioner-code>
    <ep-petition-review-decision-date>
        <date>20100927</date>
    </ep-petition-review-decision-date>
    <ep-petition-review-decision-date>
        <date>20100927</date>
    </ep-petition-review-decision-date>
</ep-petition-review>
```
WITHDRAWAL OF THE PETITION FOR REVIEW

Comments
n/a

Modification history
Author of update  -  Date of update  -  Explanation of update
M. Kracker  –  2015-04-01  –  Version 2.00
M. Kracker  –  2015-10-01  –  Attribute name changed (was: REVIEW_NUM)

6.78 SEARCH_TYPE

Name: Type of search report
Table: REG136_SEARCH_REPORT
Description: There are 3 types of search reports:
"NAT" for a European search, "SUP" for a European supplementary search and "ISR" for
an international search
Default value: n/a
Domain: 3 ASCII characters
NAT  national (European search)
SUP  national-supplementary (European supplementary search)
ISR  ISR (international search (report))

Source field name
<search-reports-information>
  <search-report-information change-gazette-num="2001/46" declaration-of-no-search="not-determined" office="AU" search-type="isr">  
  <search-report-publication>
    <document-id>
      <country>WO</country>
      <doc-number>0043215</doc-number>
      <kind>A1</kind>
      <date>20000727</date>
    </document-id>
  </search-report-publication>
  </search-report-information>
</search-reports-information>

<search-reports-information declaration-of-no-search="not-determined" office="EP" search-type="national-supplementary">  
  <date-search-report-mailed>  
    <date>20060824</date>
  </date-search-report-mailed>
</search-reports-information>
<search-reports-information>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Numeric codes replaced by mnemonic codes

6.79 SEQ_NR

Name: Sequence number of party
Table: REG107_PARTIES, REG108_APPLICANT_STATES
Description: Sequence number of party (concerns applicant, inventor and legal representative)
Default value: n/a
Domain: Number 1 ... 99
Source field name
Can be part of
- /register-document/bibliographic-data/parties/applicants/applicant, or
- /register-document/bibliographic-data/parties/inventors/inventor or

&lt;applicants change-gazette-num="2002/01">  
  &lt;applicant app-type="applicant" designation="all" sequence="1">  
    &lt;addressbook&gt;  
      &lt;name&gt;Epimmune Inc.&lt;/name&gt;  
      &lt;address&gt;  
        &lt;address-1&gt;5820 Nancy Ridge Drive&lt;/address-1&gt;  
        &lt;address-2&gt;San Diego, CA 92121&lt;/address-2&gt;  
        &lt;country&gt;US&lt;/country&gt;  
      &lt;/address&gt;  
      &lt;/addressbook&gt;  
    &lt;/nationality&gt;  
    &lt;/residence&gt;  
  &lt;/applicant&gt;  
&lt;/applicants&gt;

Comments
All applicants (one or more) of an application at a certain point of time are regarded as a "set" of applicants. The SEQ_NR defines the order of applicants within this set. Compare attribute SET_SEQ_NR. The same applies to inventors and legal representatives (see attribute TYPE).
Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – SEQ_NR = 20 has no special meaning any more.

6.80 SET_SEQ_NR

Name: Calculated sequential number to identify a set of applicants / inventors / representatives.
Table: REG107_PARTIES, REG108_APPLICANT_STATES
Description: Descending number for each set of party (applicants / inventors / representatives).
Default value: n/a
Domain: Number 1 ... 15
Source field name
computed (see comments below)

Comments
All applicants (one or more) of an application at a certain point of time are regarded as a “set” of applicants. The applicant(s) may change over time. Every change in these applicants results in another, newer set of applicants.

In table REG107_PARTIES these sets are chronologically numbered by the attribute SET_SEQ_NR, with set 1 being the oldest set, set 2 the next and so on. The highest SET_SEQ_NR for applicants therefore identifies the last known set of applicants (see also attribute IS_LATEST).

The same applies to inventors and legal representatives (see attribute TYPE), whose set numbering is independent of each other and consequently also starts from 1.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.81 STATE_TYPE

Name: Type of a designated state
Table: REG109_DESIGNATED_STATES
Description: Indicates whether the designated state is a member state, an extension state or a validation state.
Default value: n/a
Domain: 3 ASCII characters:
MEM Member state
EXT Extension state
VAL Validation state

Source field name
Example of an extension state:

```xml
<procedural-step id="STEP_EXPT_4505764" procedure-step-phase="examination">
    <procedural-step-code>EXPT</procedural-step-code>
    <procedural-step-text step-text-type="STEP_DESCRIPTION">Extension of the patent</procedural-step-text>
    <procedural-step-text step-text-type="Extension states">BA</procedural-step-text>
</procedural-step>
```

Example of a validation state:

```xml
<procedural-step id="STEP_VAPT_274054" procedure-step-phase="examination">
    <procedural-step-code>VAPT</procedural-step-code>
    <procedural-step-text step-text-type="STEP_DESCRIPTION">Validation of the patent</procedural-step-text>
    <procedural-step-text step-text-type="Validation states">MA</procedural-step-text>
</procedural-step>
```

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2018-10-01 – First version

6.82 STATUS

Name: The status of the application
Table: REG101_APPLN
Description: Status of the application. The status of granted patent (e. g. still valid or not) is not included here.
Default value: 18 (meaning UNKNOWN)
Domain: Number 1 ... 18; for an explanation see reference table REG403_APPLN_STATUS
Figure 5: STATUS Name: State transition diagram

Explanation:

To keep the diagram simple, some non-typical transitions are not shown.

Possible start state

Intermediate state

Possible end state

Typical state transition

Cluster representing several states (to improve readability)

Example of equivalent representations (with and without status cluster):

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E

A
B
C
D
E
Comments
Note that the value of the STATUS is - roughly spoken - in the reverse order of the life of an application. E. g., after the publication (17, 16) there is the examination (15, 14) which is then followed by the intention to grant (12), ...

The explanation of these status codes can be found in the reference table REG403_APPLN_STATUS.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.83 STEP_CODE

Name: Code for this procedural step
Table: REG201_PROC_STEP
Description: Mnemonic code for this procedural step
Default value: n/a
Domain: up to about 10 characters, e. g. OREX, AREX, ...
In the 2014 Autumn Edition there were 42 different codes

Source field name

Comments
For details see section 7 of this document.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2016-04-01 – Attribute renamed (was: PROCEDURAL_STEP_CODE)
6.84 STEP_COUNTRY

**Name:** Office code of state which is affected by a procedural code  
**Table:** REG201_PROC_STEP  
**Description:** Office code of the state which is affected by a procedural code. The code identifies the office where the preliminary examination was carried out.  
**Default value:** empty  
**Domain:** Up to 2 characters (A-Z), according to WIPO ST.3  
**Source field name**  
<pre>&lt;procedural-step id="STEP_PREX_920137" procedure-step-phase="international-examination">  
  &lt;procedural-step-code&gt;PREX&lt;/procedural-step-code&gt;  
  &lt;procedural-step-text step-text-type="STEP_DESCRIPTION">Preliminary examination - PCT II&lt;/procedural-step-text&gt;  
  &lt;procedural-step-date step-date-type="DATE_OF_REQUEST">  
    &lt;date&gt;20000808&lt;/date&gt;  
  &lt;/procedural-step-date&gt;  
  &lt;procedural-step-affected-states&gt;  
    &lt;country&gt;EP&lt;/country&gt;  
  &lt;/procedural-step-affected-states&gt;  
&lt;/procedural-step&gt;</pre>  

**Comments**  
Currently only preliminary examinations for international applications (Chapter 2 PCT) do have a country code, which represents the office where the preliminary examination has been carried out. These steps can be identified as having "PREX" in the STEP_CODE attribute in table REG201_PROC_STEP table.

**Modification history**  
**Author of update** - Date of update - Explanation of update  
M. Kracker – 2016-04-01 – Version 3.02  
M. Kracker – 2016-04-01 – Attribute has been moved (was: attribute COUNTRY in table REG205_PRCDRL_STEP_AFFECTED_STATES)

6.85 STEP_DATE

**Name:** Date of procedural step  
**Table:** REG203_PROC_STEP_DATE  
**Description:** A date relating to the procedural step  
**Default value:** n/a  
**Domain:** Date  
**Source field name**  
<pre>&lt;procedural-step id="STEP_RFPR_12975" procedure-step-phase="examination">  
  &lt;procedural-step-code&gt;RFPR&lt;/procedural-step-code&gt;  
  &lt;procedural-step-text step-text-type="STEP_DESCRIPTION">Request for further processing&lt;/procedural-step-text&gt;  
  &lt;procedural-step-text step-text-type="STEP_DESCRIPTION_NAME">Reason unspecified&lt;/procedural-step-text&gt;</pre>
<procedural-step-date step-date-type="DATE_OF_PAYMENT1">
  <date>20050324</date>
</procedural-step-date>

<procedural-step-date step-date-type="DATE_OF_REQUEST">
  <date>20050318</date>
</procedural-step-date>

<procedural-step-date step-date-type="RESULT_DATE">
  <date>20050411</date>
</procedural-step-date>

<procedural-step-result>Request accepted</procedural-step-result>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2016-04-01 – Attribute renamed (was: PROCEDURAL_DATE)

6.86 STEP_DATE_TYPE

Name: Type of date of a procedural step
Table: REG203_PROC_STEP_DATE
Description: Describes what kind of date is related to a procedural step
Default value: n/a
Domain: 5 ASCII characters
PAYMN     Date of payment
DISPA     Date of dispatch
REPLY     Date of reply
EFFEC     Date effective
GRNTF     Grant fee paid
PRNTF     Print fee paid
REQST     Date of request
PAYM1     Date of payment 1
RESLT     Result date
CANCT     Date of cancellation
RAEXA     Date of Request for Accelerated Examination (RAEX)
DRAEX     Decision date of Request for Accelerated Examination (RAEX)
LAPPR     Date of later approval
RECP     Date of receipt
TCLMS     Translation of claims
WV713     Waiver agreement, according to Rule 71(3)

Source field name
<procedural-step-id="STEP_RFPR_12975" procedure-step-phase="examination">
  <procedural-step-code>RFPR</procedural-step-code>
</procedural-step-id>
<procedural-step-text step-text-type="STEP_DESCRIPTION">Request for further processing</procedural-step-text>
<procedural-step-text step-text-type="STEPDESCRIPTION_NAME">Reason unspecified</procedural-step-text>
<procedural-step-date step-date-type="DATE_OF_PAYMENT1"/>
<date>20050324</date>
</procedural-step-date>
<procedural-step-date step-date-type="DATE_OF_REQUEST"/>
<date>20050318</date>
</procedural-step-date>
<procedural-step-date step-date-type="RESULT_DATE"/>
<date>20050411</date>
</procedural-step-date>
<procedural-step-result>Request accepted</procedural-step-result>
</procedural-step>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Numeric codes replaced by mnemonic codes;
    additional code for Waiver agreement R71(3)
M. Kracker – 2016-04-01 – Attribute renamed (was: PROCEDURAL_DATE_TYPE)

6.87 STEP_ID

Name: Id identifying a procedural step
Table: REG201_PROC_STEP, REG202_PROC_STEP_TEXT, REG203_PROC_STEP_DATE
Description: Id identifying a procedural step
Default value: n/a
Domain: up to 30 characters
Source field name
<procedural-step id="STEP_EXRE_32085" procedure-step-phase="examination">
    <procedural-step-code>EXRE</procedural-step-code>
    <procedural-step-text step-text-type="STEP_DESCRIPTION">Communication from
        the examining division</procedural-step-text>
    <procedural-step-date step-date-type="DATE_OF_DISPATCH"/>
    <date>20070717</date>
</procedural-step-date>
<time-limit time-limit-unit="months">04</time-limit>
</procedural-step>

Comments
n/a
Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2016-04-01 – Attribute renamed (was: PROCEDURAL_STEP_ID)

6.88 STEP_PHASE

Name: Phase of a procedural step
Table: REG201_PROC_STEP
Description: The phase in which a procedural step happened
Default value: UNDEF
Domain: 5 ASCII characters
UNDEF undefined
EXAMN examination
APEXA appeal in examination
OPPOS opposition
APOPPE appeal in opposition
LIMIT limitation
REGEN entry-regional-phase
INTEX international-examination
PROPP petition-for-review-in-opposition
REVOC revocation

Source field name
<procedural-step id="STEP_EXRE_32085" procedure-step-phase="examination"/>
<procedural-step-code>EXRE</procedural-step-code>
<procedural-step-text step-step-text-type="STEP_DESCRIPTION">Communication from the examining division</procedural-step-text>
<procedural-step-date step-date-type="DATE_OF_DISPATCH">
<date>20070717</date>
</procedural-step-date>
<time-limit time-limit-unit="months">04</time-limit>
</procedural-step>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-10-01 – Numeric codes replaced by mnemonic codes;
additional code for revocation
M. Kracker – 2016-04-01 – Attribute renamed (was: PROCEDURAL_STEP_PHASE)
6.89 STEP_RESULT

**Name:** Procedural step result

**Table:** REG201_PROC_STEP

**Description:** Result or outcome of the procedural step

**Default value:** empty string

**Domain:** string having one of these values:
- <empty>
- yes
- no
- Request accepted
- Request deemed not to be filed
- Request granted
- Request procedure closed
- Request rejected
- Request withdrawn

**Source field name**

```xml
<procedural-step id="STEP_RFPR_12975" procedure-step-phase="examination">
  <procedural-step-code>RFPR</procedural-step-code>
  <procedural-step-text step-text-type="STEP_DESCRIPTION">Request for further processing</procedural-step-text>
  <procedural-step-text step-text-type="STEP_DESCRIPTION_NAME">Reason unspecified</procedural-step-text>
  <procedural-step-date step-date-type="DATE_OF_PAYMENT1">
    <date>20050324</date>
  </procedural-step-date>
  <procedural-step-date step-date-type="DATE_OF_REQUEST">
    <date>20050318</date>
  </procedural-step-date>
  <procedural-step-date step-date-type="RESULT_DATE">
    <date>20050411</date>
  </procedural-step-date>
  <procedural-step-result>Request accepted</procedural-step-result>
</procedural-step>
```

**Comments**

A result is available only for certain procedural steps (STEP_CODE is “RAEX”, “RDEC” or “RFPR”).

**Modification history**

**Author of update - Date of update - Explanation of update**

**M. Kracker** – 2015-04-01 – Version 2.00
**M. Kracker** – 2016-04-01 – Attribute renamed (was: PROCEDURAL_STEP_RESULT);
  Moved from table REG205_PRCRDL_STEP_RESULT;
  Comment added
**M. Kracker** – 2017-10-01 – New value “Request accepted” added in domain
6.90 STEP_RESULT_TYPE

Name: Result type of procedural step
Table: REG201_PROC_STEP
Description: Type of result of a procedural step
Default value: empty string
Domain: ‘accepted(yes/no)’, ‘RESULT’ or empty
Source field name

Comments
See comment of attribute STEP_RESULT.

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2016-04-01 – Moved from table REG205_PRCRDL_STEP_RESULT;
Comment added

6.91 STEP_TEXT

Name: Text of procedural step
Table: REG202_PROC_STEP_TEXT
Description: A text relating to the procedural step
Default value: empty string
Domain: up to about 300 characters
Source field name
6.92 STEP_TEXT_TYPE

**Name:** Type of text for procedural step  
**Table:** REG202_PROC_STEP_TEXT  
**Description:** Describes what kind of text is assigned to a procedural step.  
**Default value:** n/a  
**Domain:** up to 30 characters  
**Examples:** “STEP_DESCRIPTION”, “YEAR”, “Extension states”, ..  
In the 2014 Autumn Edition there are 13 different values.

**Source field name**

```xml
<procedural-step id="STEP_EXRE_32085" procedure-step-phase="examination">
    <procedural-step-code>EXRE</procedural-step-code>
    <procedural-step-text step-text-type="STEP_DESCRIPTION">Communication from the examining division</procedural-step-text>
    <procedural-step-date step-date-type="DATE_OF_DISPATCH">
        <date>20070717</date>
    </procedural-step-date>
</procedural-step>
```

**Comments**

n/a

**Modification history**

- **Author of update** - Date of update - Explanation of update  
  - **M. Kracker** – 2015-04-01 – Version 2.00  
  - **M. Kracker** – 2016-04-01 – Attribute renamed (was: PROCDURAL_TEXT_TYPE)

6.93 TEXT_LG

**Name:** Language of the text  
**Table:** REG135_TEXT  
**Description:** Language code of the text  
**Default value:** n/a  
**Domain:** ‘de’, ‘en’, ‘fr’ or empty, which stands for German, English or French texts, or unknown language  

**Source field name**

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-10-01 – Version 3.00

6.94 TIME_LIMIT

Name: Time limit
Table: REG201_PROC_STEP
Description: A time limit involved in this procedural step
Default value: empty string
Domain: up to 10 characters
Typical examples: = empty, '01', '06', '12', 'M04' (which stands for 4 month); in rare cases values like [1986/51] which stands for a deadline in week 51 of year 1986;
Source field name

Comments
See also attribute TIME_LIMIT_UNIT

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.95 TIME_LIMIT_UNIT

Name: Time limit unit
Table: REG201_PROC_STEP
Description: The unit of the limit involved in this procedural step
Default value: empty string
Domain: up to 6 characters; currently the only non-default value is ‘months’
Source field name
<procedural-step id="STEP_EXRE_32085" procedure-step-phase="examination">
  <procedural-step-code>EXRE</procedural-step-code>
  <procedural-step-text step-text-type="STEP_DESCRIPTION">Communication from the examining division</procedural-step-text>
  <procedural-step-date step-date-type="DATE_OF_DISPATCH">
    <date>20070717</date>
  </procedural-step-date>
  <time-limit time-limit-unit="months">04</time-limit>
</procedural-step>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.96 TITLE

Name: Title
Table: REG110_TITLE
Description: The title of the patent application in an official language of the EPO
Default value: n/a
Domain: up to about 1500 characters
Source field name

<invention-title change-gazette-num="2000/36" lang="en">Broadly reactive opsonic antibodies that react with common staphylococcal antigens</invention-title>

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00

6.97 TITLE_LG

Name: Title language
Table: REG110_TITLE
Description: The language of the application title: English, French or German
Default value: n/a
Domain: 2 characters: en, fr or de
Source field name

<invention-title change-gazette-num="2000/36" lang="en">Broadly reactive opsonic antibodies that react with common staphylococcal antigens</invention-title>
6.98 TYPE

Name: Type of party
Table: REG107_PARTIES, REG108_APPLICANT_STATES
Description: Type of party ("A" for applicant / "I" for inventor / "R" for legal representative).
In table REG108_APPLICANT_STATES the attribute TYPE always has value "A".
Default value: n/a
Domain: 1 character (A | I | R)
Source field name
If part of /register-document/bibliographic-data/parties/applicants/applicant XPath: "A".
If part of /register-document/bibliographic-data/parties/inventors/inventor XPath: "I".
If part of /register-document/bibliographic-data/parties/agents/agent XPath: "R".

Comments
Table REG108_APPLICANT_STATES is only relevant for applicants, therefore TYPE is always "A".

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2016-10-01 – TYPE has been added to table REG108_APPLICANT_STATES

6.99 TYPE_LICENSE

Name: The type of the license
Table: REG111_LICENSEE
Description: The type of the license: exclusive, not exclusive or right in rem
Default value: n/a
Domain: 3 ASCII characters
NOL no license (occurs if and only if LICENSEE_SEQ_NR = 'deleted')
EXC exclusive licence
NEX non-exclusive licence
RIR right in rem

Source field name
<licensee-data change-gazette-num="2001/39">
    <licensee designation="all" sequence="01 00" type-license="exclusive">
        <addressbook>

<licensee-data change-gazette-num="2001/39">
6.100  VALID_DATE

Name: Date when the license became valid
Table: REG111_LICENSEE
Description: Date when the license became valid
Default value: 9999-12-31
Domain: Date (up to 9999-12-31)
Source field name

Comments
n/a

Modification history
Author of update - Date of update - Explanation of update
M. Kracker – 2015-04-01 – Version 2.00
M. Kracker – 2015-04-01 – Numeric codes replaced by mnemonic codes
6.101 WISHES_TO_BE_PUBLISHED

Name: Indicates that inventor has agreed to waive his entitlement for designation

Table: REG107_PARTIES

Description: Inventor can agree to waive his entitlement for designation. The EP register then does not publish name or address of those inventors. Nevertheless, it is explicit that there is an inventor, even if name and address are not given.

Default value: empty

Domain: up to 1 character (empty or 'N')

Source field name

<inventor sequence="01" wishes-to-be-published="no">
  <addressbook>
    <name/>
    <address>
      <country/>
    </address>
  </addressbook>
</inventor>

If the XML attribute "wishes-to-be-published" is present and it is set to "no", then the attribute WISHES_TO_BE_PUBLISHED is set to 'N'. Otherwise the default value (empty string) is set.

Comments

n/a

Modification history

Author of update - Date of update - Explanation of update

M. Kracker – 2015-04-01 – Version 2.00
7 Detailed description of procedural steps

The data about procedural steps is part of the EP register, but it is not or not entirely published in the bulletin.

The data is contained in table REG201_PROC_STEP and his dependent tables. Within this table, attribute STEP_CODE identifies the kind of the procedural steps. There are more than 40 different codes. Depending on the code, additional data may be available.

The following subsections describe each kind of procedural step in more detail. The subsections are alphabetically sorted by the procedural step code.

You can find the **date types** in attribute STEP_DATE_TYPE of table REG203_PROC_STEP_DATE.

You can find the **time limit** in the attributes TIME_LIMIT and TIME_LIMIT_UNIT of table REG201_PROC_STEP.

You can find the **text types** in attribute STEP_TEXT_TYPE of table REG202_PROC_STEP_TEXT.

You can find the **bulletin date** in the attributes BULLETIN_YEAR and BULLETIN_NR of table REG201_PROC_STEP.

7.1 ABEX – Amendments by applicant

This procedural step contains information about amendments made by the applicant to the description or the claims (A.123 EPC).

**Date types**

Date of request (REQST)
The date the amendment was made

**Text type**

Kind of Amendment
The nature of the amendment may have the values
- (claims and/or description)
- (observation filed on)
- (description only)

**Published in Bulletin**: never
7.2 ACOR – Amendment or corrections

This procedural step contains information about the despatch of the invitation to pay additional claims fees after the request for amendment / correction of the text intended for grant has been allowed as well as the date of payment of the additional claims fees.

Date types

- Date of dispatch (DISPA)
  The date when the invitation to pay additional fees was sent

- Date of payment 1 (PAYM1)
  The date of payment of the additional fee

Time limit

The time limit given to the proprietor for paying (months)

Text type

n/a

Published in Bulletin: never

7.3 ADWI – Application deemed to be withdrawn

This procedural step contains information about the fact that the applicant has been informed in accordance with R.112(1) EPC that the application is deemed to be withdrawn. This situation can occur for various reasons such as non-payment of a fee, failure to supply a document, etc.

Date types

- Date of dispatch (DISPA)
  The date the communication was sent out

- Date effective (EFFEC)
  The date of legal effect of the decision that the application is deemed to be withdrawn.

Text type

STEP_DESCRIPTION_NAME
The reason why the application is deemed to be withdrawn may have the values
- Application not forwarded to EPO in time
- Filing fee / search fee not paid in time
- Translation not filed in time
- Date of filing cannot be accorded
- Designation fee not paid in time
- No designation of inventor filed
- Examination fee not paid in time
- Article 162(4) of EPC 1973
- Renewal fee not paid in time
- Fee for grant / fee for printing not paid in time
- Reply to examination report not received in time
- Reply to communication from Board of Appeal not received in time
- A new European patent application has been filed
- No new representative appointed in time after interruption
- Non-payment of additional claims fee
- EURO-PCT translation(s) not filed
- Divisional application deemed not to have been filed
- WIPO withdrawal
- Claims fee not paid in time
- Information on prior art not received in time
- reply to examination report and information on prior art not received in time
- reply to the Extended European Search Report/Written Opinion of the International Searching Authority/International Preliminary Examination Report not received in time
- reply to the invitation to file a copy of earlier search results or a statement of non-availability not received in time"

Published in Bulletin: sometimes

7.4 AGRA—Announcement of Grant

This procedural step contains information about the announcement of the grant, as described in the old version of EPC 1973, valid until 1 July 2002, R.51(4).

Date types

- Date of dispatch (DISPA)
  The date the dispatch of the announcement

- Date of later approval (LAPPR)
  The date of this later approval if the approval (see below) was given after expiry of the normal time limit

Text type

- AGRA
  With the value "announcement of grant"
  approval
  If the approval of the announcement was given within the time limit or later, the fact of approval will be present by a value "yes", "no" or "later approval".
7.5 CORS—Correction of search report

This procedural step contains information about the fact that new documents were discovered by the examiner after completion of the search report, leading to a corrected search report.

Date types

- Date of dispatch (DISPA)
  The date the corrected search report was communicated

Text type

- n/a

Published in Bulletin: in most cases

7.6 DDIV – Divisional application

This procedural step contains information about the date of the first communication from the examining division relevant to the time limit for filing a (further) divisional application as described in R.36 of the EPC.

Date types

- Date of dispatch (DISPA)
  The date of dispatch of the communication

Text type

- APPLICATION_NUMBER
  The number of the application in which this communication was sent out, this can be either the application itself or a parent application.

Published in Bulletin: never
7.7 DEST – Payment of designation fee

This procedural step contains information about the date of the first payment of a designation fee, as one of the steps required to enter the regional phase for an international application.

**Date types**

- Date of payment (PAYMN)
- Date of first payment of a designation fee

**Text type**

n/a

**Published in Bulletin:** never

---

7.8 DOBS– Opposition: Reply to observations of proprietor

This procedural step contains information about the invitation to the opponents to reply to the observations of the proprietor in accordance with R.79(3) EPC.

**Date types**

- Date of dispatch (DISPA)
  The date the dispatch of the invitation

- Date of reply (REPLY)
  The date of the reply by the proprietor

**Time limit**

- Time limit given to the proprietor for replying (month)

**Text type**

n/a

**Published in Bulletin:** never
7.9 EXAM-PCT – Payment of examination fee

This procedural step contains information about the date of payment of the fee for examination as one of the steps required for entering the regional phase of an international application.

Date types

- Date of payment (PAYMN)
  The date of payment of the fee for examination

Text type

- n/a

Published in Bulletin: never

7.10 EXPT – Extension of patent to extension states

This procedural step contains information about the non-member states (at the time of filing of the application) to which the patent is extended.

The WIPO ST.3 country code of the state is in a procedural-step-text element with attribute step-text-type = "Extension states".

Date types

- Date of payment (PAYMN)
  The date the payment of the extension fee

Text type

- Extension state
  The ST.3 country code of the extension state

Published in Bulletin: never

7.11 EXRE – Examination report

This procedural step contains information about the dispatch of and reply to a communication from the examining division (examiners report) during the examination phase.
Date types

Date of dispatch (DISPA)
The date of dispatch of the communication

Date of reply (REPLY)
The date of the receipt of the reply

Time limit

The time limit allowed for replying (months)

Text type

STEP_DESCRIPTION
Kind of communication which may have the values
- Communication from the examining division
- Invitation to indicate the basis for amendments

Published in Bulletin: never

7.12 FFEE – Payment of national basic fee

This procedural step contains information about the date of payment of the national basic fee as one of the steps required for entering the regional phase of an international application.

Date types

Date of payment (PAYMN)
The date the payment

Text type

n/a

Published in Bulletin: never

7.13 IDOP – Interlocutory revision of the opposition

This procedural step contains information about the interlocutory revision of the opposition in accordance with A.101(3)(a) and A.106(2) EPC.

Date types

Date of dispatch (DISPA)
The date of dispatch of the decision

Date effective (EFFEC)
The date the decision became effective

Text type
n/a

Published in Bulletin: never

7.14 IGRA – Intention to grant

This procedural step contains information concerning the intention to grant as described in R.71(3) EPC.
If multiple intentions to grant were issued due to the lack of agreement on the text to be granted, each occurrence will be provided.

Date types

Date of dispatch (DISPA)
The date of dispatch of the information to the applicant

Grant fee paid (GRNTF)
The date of payment of the fee for grant

Print fee paid (PRNTF)
The date of payment of the fee for printing the patent specification

Text type
n/a

Published in Bulletin: never

7.15 IGRE – Amendments to intention to grant

This procedural step contains information about the amendments or corrections related to the intention to grant as described in R.71(6) EPC.

If multiple intentions to grant (see section 7.14 “IGRA – Intention to grant”) were issued due to the lack of agreement on the text to be granted, each occurrence will be provided as indicated above.
7.16 ISAT – International Search Authority

This procedural step contains information about the office code of the International Searching Authority for an international application. The EPO is one of the possible International Searching Authorities (A.152 EPC).

Date types

- Date of dispatch (DISPA)
  The date the communication was sent out

Text type

- searching authority
  The ST.3 office code of the International Searching Authority

Published in Bulletin: never

7.17 LIRE – Reply to limitation

This procedural step contains information about the dispatch of and reply to a communication from the examining division during the procedure of limitation of the patent.

Date types

- Date of dispatch (DISPA)
  The date of dispatch of the communication

- Date of reply (REPLY)
  The date of the receipt of the reply

Time limit

  The time limit allowed for replying (month)
7.18 LOPR – Loss of patent rights

This procedural step contains information about the loss of rights as described in R.112(1) EPC.

Date types

- Date of dispatch (DISPA)
  The date of dispatch of the communication of a loss of rights

- Date effective (EFFEC)
  The date when the loss of rights became effective

Text type

- STEP_DESCRIPTION_NAME
  The nature of the lost right which may have the values
  - Designated state cc" where cc is a country code
  - Drawing(s)
  - Claims
  - "Priority nn" where nn is the sequence number of the priority
  - Additional claims
  - "Opposition inadmissible OPnn" where nn is the sequence number of the opponent
  - "Opposition deemed not filed OPnn" where nn is the sequence number of the opponent
  - Request for further processing
  - Notice of appeal
  - Re-establishment of rights
  - Request for revocation
  - Request for limitation

Published in Bulletin: never

7.19 OBAP – Observations in an appeal

This procedural step contains information about the invitation to file observations in an appeal, and the receipt of them, as described in R.100(2) EPC.
Date types

Date of dispatch (DISPA)
The date of dispatch of the invitation

Date of reply (REPLY)
The date of receipt of the observations

Time limit

The time limit allowed for filing the observations (months).
In very few cases a deadline like [1986/51] is given, which stands for week 51 in year 1986.

Text type

n/a

Published in Bulletin: never

7.20 OBSO– Observations on an opposition

This procedural step contains information about the invitation to the proprietor of the patent to file observations on the opposition in accordance with R.79(1) and (2) EPC.

Date types

Date of dispatch (DISPA)
The date of dispatch of the invitation

Date of reply (REPLY)
The date of reply by the proprietor

Time limit

The time limit given to the proprietor for replying (months)

Text type

n/a

Published in Bulletin: never
7.21 OPEX – Examination of admissibility of opposition

This procedural step contains information about the examination on admissibility of the opposition as described in R.77(2) EPC.

Date types

Date of dispatch (DISPA)
The date of dispatch of the communication

Date of reply (REPLY)
The date of reply to this communication

Text type

sequence-number
The sequence number of the opponent to whom the communication was sent. This sequence number corresponds to the attribute OPPONENT_SEQ_NR in table REG130_OPPONENT.

Published in Bulletin: never

7.22 OPPC – Termination of opposition

This procedural step contains information about the termination of the opposition procedure, for instance because of withdrawal of the opposition.

Date types

Date of dispatch (DISPA)
The date of dispatch of the communication

Date effective (EFFEC)
The date when the termination takes legal effect.

Text type

n/a

Published in Bulletin: mostly

7.23 ORAL – Oral proceeding

This procedural step contains information about an oral proceeding as described in R.115 and R.124 EPC.
Date types

Date of request (REQST)
The date when the oral proceedings took place

Date of dispatch (DISPA)
The date of dispatch of the minutes of the oral proceedings

Date of cancellation (CANCT)
The date of cancellation of the oral proceedings

Procedural Phase

The attribute STEP_PHASE in table REG201_PROC_STEP indicates the procedure during which the oral proceedings took place. It may be one of these values:
- examination
- appeal-in-examination
- petition-for-review-in-examination
- opposition
- appeal-in-opposition
- petition-for-review-in-opposition
- limitation
- appeal-in-limitation
- petition-for-review-in-limitation
- revocation
- appeal-in-revocation
- petition-for-review-in-revocation

Text type

n/a

Published in Bulletin: never

7.24 OREX – Opposition: Reply to examiner

This procedural step contains information about the dispatch of and reply to a communication from the examining division during the opposition procedure as described in A.101(2) and R.81(2) EPC.

Date types

Date of dispatch (DISPA)
The date of dispatch of the communication

Date of reply (REPLY)
The date of receipt of the reply
Time limit

The time limit allowed for replying (months)

Text type

n/a

Published in Bulletin: never

7.25 PART – Prior art

This procedural step contains information about the invitation to provide information on prior art as described in A.124 EPC.

Date types

- Date of dispatch (DISPA)
  The date of dispatch of the invitation

- Date of reply (REPLY)
  The date of reply by the proprietor

Text type

n/a

Published in Bulletin: never

7.26 PFEE – Payment of additional fees

This procedural step contains information about the payment of surcharges / additional fees for various other fees as described in Rules 85a and 85b EPC1973, and R.51(2) EPC.

Date types

- Date of dispatch (DISPA)
  The date of dispatch of the communication that an additional payment is due

- Date of payment 1 (PAYM1)
  The date of payment of the additional fee
Time limit

The time limit allowed for paying the additional fee (months)

Text type

STEP_DESCRIPTION_NAME
The subject of the fee that was paid late or not in a sufficient amount

Published in Bulletin: never

7.27 PMAP – Preparation for maintenance

This procedural step contains information about the preparation for maintenance of the patent in an amended form, as described in R.82(1) and (2) EPC.

Date types

Date of dispatch (DISPA)
The date of dispatch of the communication that the patent will be maintained as amended

Date of payment 1 (PAYM1)
The date of payment of the fee (R.82(2) EPC)

Text type

n/a

Published in Bulletin: never

7.28 PREX – Preliminary examination

This procedural step contains information about the preliminary examination for an international application (Chapter 2 PCT).

Date types

Date of request (REQST)
The date of the request for preliminary examination

Procedural phase

The attribute STEP_COUNTRY in table REG201_PROC_STEP contains the code of
the office where the preliminary examination was carried out

Text type

n/a

Published in Bulletin: never

7.29 PROL – Procedural language

This procedural step contains information about the procedure language of the application ("de", "en" or "fr") as meant in R.3 EPC.

Date types

n/a

Text type

procedure language
Contains the language code ("de", "en" or "fr").

Published in Bulletin: never

7.30 RAEX – Request for accelerated examination

This procedural step contains information about the request for accelerated examination.

Note: For requests for accelerated examination filed from 2 December 2001, the EPO is no longer allowed to provide the information about the request.

Date types

Date of Request for Accelerated Examination RAEX (RAEXA)
The date when the request for accelerated examination was filed

Decision date of Request for Accelerated Examination RAEX (DRAEX)
The date when a decision was taken about the request for accelerated examination

Decision about the request

The attribute STEP_RESULT in table REG201_PROC_STEP contains the decision (yes/no) about the request where STEP_RESULT_TYPE = "accepted(yes/no)"
7.31 RDEC – Request for decision after loss of rights

This procedural step contains information about the request for a decision after the loss of rights as described in R.112(2) EPC.

Date types

Date of request (REQST)
The date of receipt of the request for decision

Result date (RESLT)
The date when a decision on the request was taken

Decision about the request

The attribute STEP_RESULT in table REG201_PROC_STEP contains the decision in clear text where STEP_RESULT_TYPE = “RESULT”. It may have the values
- request deemed not to be filed
- request rejected
- request accepted
- request withdrawn
- request procedure closed

Text type

STEP_DESCRIPTION_NAME
The subject of the request which may have the values
- designated state(s)
- Drawings
- Claims
- Priority
- Additional claims
- Admissibility of opposition
- Opposition is deemed not to be filed
- Request for further processing
- Notice of appeal
- Request for re-establishment of rights
- Revocation of patent by proprietor
- Request for limitation
- Application is deemed to be withdrawn
- Various

Published in Bulletin: never
7.32 REES – Re-establishment of rights

This procedural step contains information about the procedure for re-establishment of rights (A.122 EPC). As both the request and the decision are published, two procedural-step elements can be present for the same request.

Date types

- Date of request (REQST)
  The date when the request for re-establishment was made

- Result date (RESLT)
  The date when a decision on the request was taken.

Text type

STEP_DESCRIPTION_NAME
The nature of the decision. It may have the values
- Request deemed not to be filed
- Request rejected
- Request accepted
- Request withdrawn
- Request procedure closed

Published in Bulletin: sometimes

7.33 REFU – Refusal of application

This procedural step contains information about the refusal of the application as described in A.97(2) and A.90(5) EPC.

Date types

- Date of dispatch (DISPA)
  The date of dispatch of the notification that the application will be refused

- Date effective (EFFEC)
  The date when the refusal took legal effect.

Text type

kind of refusal
The reason for the refusal which may have the values
- “For Article 91(3) Receiving Section” (NB this refers to EPC1973).
- For Article 97(2) Examining Division
- Substantive examination

Published in Bulletin: sometimes

7.34 REJO – Rejection of opposition

This procedural step contains information about the rejection of the opposition as described in A.101(2) EPC.

Date types

Date of dispatch (DISPA)
The date of dispatch of the notification(s) that the opposition will be rejected

Date effective (EFFEC)
The date when the rejection took legal effect

Text type
n/a

Published in Bulletin: mostly

7.35 REJR – Rejection of request for revocation

This procedural step contains information about the rejection of the request for revocation of the patent as described in R.94 EPC.

Date types

Date of dispatch (DISPA)
The date of dispatch of the notification that the request for revocation of the patent will be rejected

Date effective (EFFEC)
The date when the rejection of the request took legal effect

Text type
n/a

Published in Bulletin: mostly
7.36 REVO – Revocation of patent

This procedural step contains information about the revocation of the patent as described in A.101(2) EPC.

Date types

- Date of dispatch (DISPA)
  The date of dispatch of the notification(s) that the patent will be revoked

- Date effective (EFFEC)
  The date when the revocation took legal effect

Text type

n/a

Published in Bulletin: mostly

7.37 RFEE – Renewal fee payment

This procedural step contains information about the payment of a renewal fee (A.86 EPC).

Date types

- Date of payment (PAYMN)
  The date of payment

Text type

YEAR
The ordinal year since the filing for which the payment was made

Published in Bulletin: never

7.38 RFPR – Request for further processing

This procedural step contains information about a request for further processing as meant in A.121 EPC.
Date types

Date of request (REQST)
The date when the request for further processing was received

Date of payment 1 (PAYM1)
The date of payment of the fee for further processing

Result date (RESLT)
The date when a decision about the request was taken

Decision about the request

The attribute STEP_RESULT in table REG201_PROC_STEP contains the decision in clear text. It may have the values
- Request deemed not to be filed
- Request rejected
- Request granted
- Request withdrawn
- Request procedure closed
- the field may be empty

Text type

STEP_DESCRIPTION_NAME
Under EPC1973, a request for further processing always concerned a total loss of the application so no further qualification of the kind of request was necessary. Under EPC2000, a failure to observe almost any time limit can lead to a request for further processing. Therefore a description of the cause leading to the request for further processing is given which may have the values

- An appeal is considered to be inadmissible
- An appeal is deemed not to have been filed
- The application is deemed to be withdrawn due to deficiencies in an appeal
- The application is deemed to be withdrawn due to non-payment of designation fees for cc” (where cc is a country code)
- The application is deemed to be withdrawn due to non-payment of the examination fee
- The application is deemed to be withdrawn due to failure to reply to the examination report
- The application is deemed to be withdrawn due to non-payment of the filing fee
- The application is deemed to be withdrawn due to failure to appoint a representative
- The application is deemed to be withdrawn due to failure to file the authorisation of the representative
- The application is deemed to be withdrawn due to failure to fulfill actions required for granting the patent
- The application is deemed to be withdrawn due to failure to file the designation of inventor
- The application is deemed to be withdrawn due to failure to indicate the wish to proceed further with the application
- The application is deemed to be withdrawn due to failure to provide information on prior art
- The application is deemed to be withdrawn due to non-payment of the search fee
- The application is deemed to be withdrawn due to failure to file the translation
- The application is deemed to be withdrawn due to failure to reply to the Extended European Search Report/Written Opinion of the International Searching Authority/International Preliminary Examination Report
- Loss of rights: Disclosure of the invention
- Loss of rights: Claims
- Loss of rights: Designated contracting state(s) cc” where cc is a country code
- Loss of rights: Authorisation of representative
- “Loss of rights: Priority document nn” where nn is the sequence number of the priority that was lost
- “Loss of rights: translation of priority document nn” where nn is the sequence number of the priority that was lost
- The application was refused due to failure to meet formal requirements
- The application was refused due to failure to appoint a representative
- The application was refused due to failure to file the authorisation of the representative
- The application was refused due to failure to designate an inventor
- The application was refused due to failure to file the sequence listing
- The application was refused due to non-payment of the late furnishing fee for the sequence listing
- Extension request deemed withdrawn in respect of cc” where cc is a country code
- Translation of document not provided
- The application is deemed to be withdrawn due to failure to reply to the invitation to file a copy of earlier search results or a statement of non-availability

Published in Bulletin: never

7.39 SFEE – Supplementary fee payment

This procedural step contains information about the date of payment of the fee for a supplementary search (A.153(7) EPC) as one of the steps required for entering the regional phase of an international application.

Date types

  Date of payment (PAYMN)
  The date of payment

Text type

  n/a

Published in Bulletin: never

7.40 TIPA – Third party observations

This procedural step contains information about the presentation of observations by third parties (A.115 EPC).

Date types

  Date of request (REQST)
  The date when the observation was received

Text type
STEP_IDENTIFICATION (??)
The sequence number of the observation

Published in Bulletin: never

7.41 TRAN – Translation
This procedural step contains information about the date of receipt of the translation as one of the steps required for entering the regional phase of an international application.

Date types
- Date of receipt (RECPT)
  The date of receipt

Text type
- n/a

Published in Bulletin: never

7.42 VAPT – Extension of patent to validation states
This procedural step contains information about validation states (at the time of filing of the application) to which the patent is extended.

The WIPO ST.3 country code of the state is in a procedural-step-text element with attribute step-text-type = "Validation states".

Date types
- Date of payment (PAYMN)
  The date the payment of the extension fee

Text type
- Validation state
  The ST.3 country code of the extension state

Published in Bulletin: never
7.43 WINT – Withdrawal during internat. phase

This procedural step contains information about the withdrawal of an application during the International Phase, i.e., before the start of the EP procedure.

Date types

Date of request (REQST)
The date of withdrawal in the International Phase

Text type

n/a

Published in Bulletin: never
## 8 History of major changes to tables and attributes

<table>
<thead>
<tr>
<th>Edition</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013 October</td>
<td>First public version</td>
</tr>
<tr>
<td>2014 Spring</td>
<td>- Changed REG116_PAT_CITATION.KIND to PUBLN_KIND</td>
</tr>
<tr>
<td></td>
<td>- Changed REG117_RELATION.STATUS to RELATION_STATUS</td>
</tr>
<tr>
<td></td>
<td>- Changed REG117_RELATION.KIND to RELATION_KIND</td>
</tr>
<tr>
<td></td>
<td>- Added IS_LATEST</td>
</tr>
<tr>
<td></td>
<td>- Added SET_SEQ_NR</td>
</tr>
<tr>
<td></td>
<td>- Added WISHES_TO_BE_PUBLISHED</td>
</tr>
<tr>
<td></td>
<td>- Changed CITED_IN: added 5 = international-search-report; changed 6 = undefined</td>
</tr>
<tr>
<td>2014 Autumn</td>
<td>- Rename table REG101_DOCUMENT to REG101_APPLN and merge REG104_APPLN into REG101_APPLN</td>
</tr>
<tr>
<td></td>
<td>- New attribute SET_SEQ_NR in table REG108_APPLICANT_STATES</td>
</tr>
<tr>
<td></td>
<td>- Removed attributes which are empty or have a constant value:</td>
</tr>
<tr>
<td></td>
<td>- reg107_parties.address_3</td>
</tr>
<tr>
<td></td>
<td>- reg107_parties.nationality</td>
</tr>
<tr>
<td></td>
<td>- reg107_parties.residence</td>
</tr>
<tr>
<td></td>
<td>- reg115_npl_citation.bulletin_year</td>
</tr>
<tr>
<td></td>
<td>- reg115_npl_citation.bulletin_nr</td>
</tr>
<tr>
<td></td>
<td>- reg115_npl_citation.doi</td>
</tr>
<tr>
<td></td>
<td>- reg116_pat_citation.bulletin_year</td>
</tr>
<tr>
<td></td>
<td>- reg116_pat_citation.bulletin_nr</td>
</tr>
<tr>
<td></td>
<td>- reg116_pat_citation.date</td>
</tr>
<tr>
<td></td>
<td>- reg116_pat_citation.publn_kind</td>
</tr>
<tr>
<td></td>
<td>- reg117_relation.bulletin_year</td>
</tr>
<tr>
<td></td>
<td>- reg117_relation.bulletin_nr</td>
</tr>
<tr>
<td></td>
<td>- reg117_relation.date</td>
</tr>
<tr>
<td></td>
<td>- reg119_bio_deposit.bulletin_year</td>
</tr>
<tr>
<td></td>
<td>- reg119_bio_deposit.bulletin_nr</td>
</tr>
<tr>
<td></td>
<td>- reg119_bio_deposit.depositary</td>
</tr>
<tr>
<td></td>
<td>- reg119_bio_deposit.address_1</td>
</tr>
<tr>
<td></td>
<td>- reg119_bio_deposit.address_2</td>
</tr>
<tr>
<td></td>
<td>- reg119_bio_deposit.num</td>
</tr>
<tr>
<td></td>
<td>- reg119_bio_deposit.bio_accno</td>
</tr>
<tr>
<td></td>
<td>- reg125_appeal.bulletin_year</td>
</tr>
<tr>
<td></td>
<td>- reg125_appeal.bulletin_nr</td>
</tr>
<tr>
<td></td>
<td>- reg126_revocation.bulletin_year</td>
</tr>
<tr>
<td></td>
<td>- reg126_revocation.bulletin_nr</td>
</tr>
<tr>
<td></td>
<td>- reg126_revocation.revocation_procedure_decision</td>
</tr>
<tr>
<td></td>
<td>- reg126_revocation.revocation_procedure_paid</td>
</tr>
<tr>
<td></td>
<td>- reg126_revocation.revocation_dispatch_date</td>
</tr>
<tr>
<td></td>
<td>- reg126_revocation.revocation_legal_effect_date</td>
</tr>
<tr>
<td></td>
<td>- reg127_petition_rvw.bulletin_year</td>
</tr>
</tbody>
</table>
| 2015 Spring | Changed values of the attribute STATUS of table REG101_APPLN. Although the domain is almost the same, the numerical codes have been changed.  
|            | Attributes ADDRESS_3, ADDRESS_4 and ADDRESS_5 added in table REG107_PARTIES  
|            | Removed attributes BULLETIN_YEAR and BULLETIN_NR in REG101_APPLN. These correspond to the bulletin dates of the first publication in REG102_PAT_PUBLN, and therefore are redundant.  
|            | Renamed REG123_DATE_DEEMED_WITHDRAWN.DEEMED_WTHDRWN_DATE to DEEMED_WITHDRAWN_DATE  
|            | Removed attributes which are empty of have a constant value:  
|            | REG115_NPL_CITATION.OFFICE  
|            | REG116_PAT_CITATION.OFFICE  
|            | REG109_DESIGN_STATES.REGION  
|            | REG118_PREV_FILED_APPLN.APPLN_KIND  
|            | REG119_BIO_DEPOSIT.DTEXT  
|            | REG137_OPPPOSTN_AGENT.AGENT_SEQ_NR  
|            | REG137_OPPPOSTN_AGENT.REP_TYPE  
|            | REG301_EVENT_DATE.EVENT_TYPE |
| 2015 Autumn | New attribute CHANGE_DATE has been added to several tables.  
|            | New attribute CUSTOMER_ID has been added to REG107_PARTIES, REG111_LICENSEE and REG130_OPPONENT  
|            | New attribute TEXT_LG has been added to table REG135_TEXT. |
The new table REG114_DATES replaces the tables
- REG114_DATES_RIGHTS
- REG122_DATE_WITHDRAWN_BY_APPLT
- REG123_DATE_DEEMEDED_WITHDRAWN
- REG126_REVOCATION
- REG134_OPPOSITION_NOT_FILED

The citation tables REG115_NPL_CITATION and REG116_PAT_CITATION have been removed because they are no regarded as register data. Considerable richer citation data is available in PATSTAT DOCDB (Worldwide patent statistical database, EPO product 14.24).

Table REG117_RELATION has been completely remodelled: It now directly links to table REG101_APPLN for the parent application and the child application.

Table REG119_BIO_DEPOSIT has been integrated into table REG101_APPLN.

The new table REG128_LIMITATION replaces the tables
- REG128_LIMIT_FILING
- REG129_LIMIT_REJECTION
- REG130_LIMIT_ALLOWED.
In addition, its attribute SEQ_NR has been renamed to LIMIT_SEQ_NR.

The new table REG130_OPPONENT replaces the tables
- REG131_OPPOSTN
- REG132_OPPOSTN_REJECTED
- REG133_OPPOSTN_TERMINATED
- REG137_OPPOSTN_AGENT.
These tables have been removed because their data is redundantly available in the REG20x tables which contain procedural data with richer context:
- REG120_DATE_APPLN_REFUSED
- REG121_DATE_RIGHTS_REESTD
- REG124_DATE_REVOCATION

Numerical codes have been replaced by mnemonic codes in these attributes:
- TYPE_LICENSE of table REG111_LICENSEE
- CAUSE_INTERRUPTTION of table REG114_DATES
- SEARCH_TYPE of table REG136_SEARCH_REPORT
- PROCEDURAL_DATE_TYPE of table REG203_PRCDEL_STEP_DATE
- SEARCH_TYPE of table REG136_SEARCH_REPORT

Due to new attributes and the restructuring of tables, the Primary Keys of some tables have changed.

Tables REG201, REG202 and REG203 and their attributes are
<table>
<thead>
<tr>
<th>Year</th>
<th>Changes</th>
</tr>
</thead>
</table>
| 2016 Autumn | - Line breaks are replaced by "\n"
- Table REG108_APPLICANT_STATES has a new attribute TYPE to make joins to REG107_PARTIES easier.
- The domains of:
  - attribute DESIGN_STATES in table REG109_DESIGN_STATES and
  - attribute CONVERTED_TO_COUNTRY in table REG114_DATES have been changed to an ASCII string consisting of an alphabetically ordered list of 2 character country codes (according to WIPO ST.3), with each country separated by a comma ",":
- Primary keys have been modified in tables:
  - REG102_PAT_PUBLN
  - REG108_APPLICANT_STATES
  - REG113_TERMS_OF_GRANT |
| 2017 Spring | - New attribute INTERNAT_APPLN_ID in REG101_APPLN
- Attribute PRIOR_SEQ_NR can hold larger values (currently up to 419) |
| 2017 Autumn | - New reference table REG403_APPLN_STATUS
- Table REG401_APPLN_RESULT removed. It’s data has been integrated into REG125_APEAL |
| 2018 Spring | - Attribute LICENSEE_COUNTRY: Domain has been extended |
| 2018 Autumn | - Table REG109_DESIGN(ATED)_STATES has been renamed and also contains designated extension and validation states; Attribute STATE_TYPE added.
- Attribute DESIGN(ATED)_STATES renamed.
- Attribute TOTAL_DESIGNATED_STATES removed. |
| 2019 Spring | - Table REG203_PROC_STEP_DATE has a Primary Key |
| 2019 Autumn | - No changes |
9 Known deficiencies

- Attribute STATUS in REG101_APPLN
  For a small percentage of applications the attribute STATUS contains not the current but an earlier status of the application.