EPO Patent Information Conference 2017

EPO Team presentation
Pierre Avédikian
Better data & Better service
Grants
> 100 000
2017

- +11% grants
- Legal texts
High quality data

- Timely
- Accurate
- Complete

- ISO 9001 standard
Big data context
Linked, safe & useful data

- Linked Open Data (L.O.D.)
- EU data protection guidelines
- EPO & market
Simplified pricing

- Free European patents
- 100% online
- Dedicated platform
- Flat rate
Davide Lingua
Contents

- Worldwide Legal Status Data and Database
- Open Patent Services (OPS) update
- Pricing for raw data products and OPS
Objective is "... to promote efficient exchange of legal status patent data in a harmonised way between offices in order to facilitate access to that data."
Based on generic patent prosecution model

Proposed six-part data structure for each status event code:

- State, after the event occurred
- From (previous) stage
- To (current) stage
- Key event code
- Detailed event code
- Original event code
### EP legal event 17P (Request for examination filed):

<table>
<thead>
<tr>
<th>State after the event occurred</th>
<th>From (previous) stage</th>
<th>To (current) stage</th>
<th>Key event code</th>
<th>Detailed event code</th>
<th>Original event code</th>
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<td>D10</td>
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<table>
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Worldwide Legal Status Database – INPADOC

Usability of INPADOC legal event data:

- **Future:**
  - Adding ST.27 data from competent patent offices into database
  - Supporting further development of standard (e.g. standard XML exchange format)

- **Now:**
  - Developing INPADOC classification to facilitate the understanding, accessibility and usability
  - INPADOC classification compatible with ST.27 standard
Worldwide Legal Status Database – INPADOC

INPADOC classification:

- What do we use from ST. 27?
  - the 21 “one-letter” categories

- Which codes are we classifying?
  - all INPADOC codes used since 1997 (> 2500 event codes)

- How far have we got?
  - 60% classified, remaining by end 2017

- When will these categories be provided?
  - implementation in INPADOC XML by Q1 2018
  - Espacenet, GPI to follow
## Worldwide Legal Status Database – INPADOC

### Data coverage: selected activities

<table>
<thead>
<tr>
<th>Patent authority</th>
<th>Description</th>
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<tr>
<td>CN</td>
<td>Data with original CN legal event codes</td>
</tr>
<tr>
<td>ES</td>
<td>SPC data: delivery resumed</td>
</tr>
</tbody>
</table>
| KR               | More data available for patents and utility models: applicant change, opposition (old system)  
Supply of data on new cancellation system confirmed by KIPO |
| US               | Fee payment data: revised concept; more data available |
| WO/EP            | Data on the request for the entry of PCT applications into the European phase |
Worldwide Legal Status Database – INPADOC

232 million
events in the collection

23.5 million
new events

> 1,000,000
corrections

Collection  New events  Corrections

Period 1 October 2016 to 1 October 2017
Worldwide Legal Status Database – INPADOC

1,053,654 corrections

803,192 corrections by batch processes

69,695 corrections by intellectual intervention

180,767 corrections triggered automatically

Period 1 October 2016 to 1 October 2017
Contents

- Worldwide Legal Status Data and Database
- Open Patent Services (OPS) update
- Pricing for raw data products and OPS
Open Patent Services (OPS)

EPO databases
- Biblio, Full-text, Images, etc.

EPO Internal APIs
- API1, API2, etc.

Target audience
- Humans
- Machines

EPO public applications
- European Register
- Espacenet
- Open Patent Services

1 API = Application Programming Interface
OPS ver. 3.2 (Nov. 2017)

- Parallel availability of ver. 3.1 and 3.2 until end 2017

- New features in ver. 3.2:
  - Coded full-text national FR publications
  - Facsimile service: migration to new back-end
    - new PNG format available

- Discontinuation of ver. 3.1 by end 2017
  - no anonymous access possible after 31.12.2017
  - testing available only after registration
OPS: What next?

- Coded full-text (description, claims):
  - Depending on progress of Quality at Source, additional collections will become available

- Legal status: from L-Tags to XML
  - Family/Legal service: align response to the new INPADOC legal status XML
Contents

- Worldwide Legal Status Data and Database
- Open Patent Services (OPS) update
- Pricing for raw data products and OPS
Pricing as 1 January 2018

- **OPS**:  
  - Free threshold: 3.5 GB/week  
  - "Paying" profile to access data beyond 3.5 GB/week  
  - Flat rate for “Paying” profile (yearly subscription)  
  - Fair use policy still applies

- **Raw data products**:  
  - EP data free of charge  
  - Yearly "service fee" to access download platform  
  - Price revision for all product (yearly subscriptions and back-files)

- Revision of Terms & Conditions for raw data and OPS
Keri Rowles
News for three products

- Patent Translate
- European Publication Server – Linked Open Data
- PATSTAT
Neural machine translation in Patent Translate

- Free to use translation tool – Patent Translate
- High speed and quality translation of patent documents
- All Patent Translate supported languages are now based on neural network technology to/from EN
- 31 languages to / from English including official languages of the EPO and CN, RU, JP, KR
Neural machine translation in Patent Translate

- Builds on the advantages of Patent Translate:
  - Close integration with the EPO’s patent information services (e.g. Espacenet, European Publication Server)
  - Information accessible to people who do not understand the language in which they were written
  - Powerful tool for enhancing productivity and efficiency.

- Ian Wetherbee will be presenting more detailed information later today
Linked Open Data – Extending European Publication Server access

- Linked data aims to connect related data on the Web
- Patent information contains many attributes that could be “linked” to other sources on the web to create new insights, e.g.:
  - key word technical terms
  - country codes
- An EPO project to improve EP data usage by offering the EP patent data in a manner that supports “linking”
Linked Open Data – Extending European Publication Server access

- EPO work with Linked Open Data access supports the discovery of relationships among data
  - complementary techniques are continually emerging
  - especially concerning large volume, variety, and velocity of change of information available on-line.

- The EPO recently launched an exercise to evaluate the role of these so called “big data” techniques with an EPO patent information big data study

- Please don’t hesitate to contact me on the EPO stand if you wish to discuss these topics in more detail
PATSTAT: NPL citation enhancements

- 18 additional fields for NPL citations
- Populated depending on type and availability of the data
- Newly added meta-data labels in 2017
  - General citation
  - Book citation
  - Chemical abstracts citation
  - Biological abstract citation
  - Patent Abstracts of Japan citation
  - Serial / Journal / Periodical citation
  - Derwent citation
  - Database citation
  - World Wide Web / Internet search citation
Rebuilt Raw Data product: PATSTAT Global

PATSTAT Legal Status → PATSTAT Global

PATSTAT Biblio → PATSTAT EP Register

Easier to understand and to use
Easier to use legal status structure
New PATSTAT Online

PATSTAT EP-Register
PATSTAT Legal Status
PATSTAT Biblio

More flexible pricing model
Simplified structure
Ignacio Muñoz Ozores
Ignacio Muñoz Ozares
Outline

- Legal texts archives
- European Case Law Identifier (ECLI)
Legal texts: archives
Legal text archives (epo.org)

In 2017:
- European Patent Convention
- Guidelines for examination
- National Law relating to the EPC (since 2013)

New ed. in 2017:
- How to get a European patent, Guide for applicants
- Euro-PCT Guide: PCT procedure at the EPO
- Unitary Patent guide (1st ed.)
- Guidelines for Examination in the European Patent Office
- Guidelines for Search and Examination at the EPO as PCT authority

Next in 2017:
- National law relating to the EPC (complete).
Searching
European Case Law Identifier (ECLI)

- ECLI project – **EU Commission**:
  - ECLI structure
  - Metadata
  - ECLI sitemap
  - ECLI search engine

- **EPO**:
  - ECLI on EPO decisions
  - EPO – ECLI searchable
  - EPO – ECLI sitemap

European Case Law Identifier (ECLI) at EPO

T 1834/09 (Apo-2DcR/GENENTECH) of 5.4.2011


Date of decision: 05 April 2011
Case number: T 1834/09
Application number: 98931283.5
IPC class: C12N 15/12
Language of proceedings: EN
Distribution: D
Download and more information: Decision text in EN (PDF, 25.803K)
Documentation of the appeal procedure can be found in the Register
Bibliographic information is available in: EN
Versions: Unpublished

ECLI Sitemap

- ECLI sitemap to expose case law metadata

- EPO:
  - free of charge - [epo.org/ecli-sitemap/](http://epo.org/ecli-sitemap/)
  - for PI services
ECLI Sitemap: EPO metadata

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Single access point to case law in Europe

ECLI search engine
ECLI search engine: contents

- 8 EU countries (CZ, DE, GR, ES, FR, IT, NL, SI)
- European Court of Justice and EPO boards of appeal
- Full text searchable
- Language versions
- EPO
Summary

- Legal texts archives on EPO website
- ECLI on EPO decisions
- Single access point to patent case law in Europe – the ECLI search engine
Roland Feinäugle
Roland Feinäugle
Products & services

- Federated register
- IPscore
- User support
- New Espacenet
Federated Register

The number of participating member states has grown to 23
Federated Register

And more member states under preparation: AL, BA, GB, HU, SE, NO, (DE, FR, IT)
Deep links in the European Patent Register

The number of participating member states has grown to 32

National patent registers

Designated contracting states

AL AT BE BG CH CY CZ DE DK EE ES FI FR GR

HR HU IE IS IT LT LU LV MC MK MT NL NO

PL PT RO RS SE SI SK SM TR
Unitary patent

Plenary presentation
12.00-12.30 hrs

Yolanda Sánchez García,
Hans-Christian Haugg

Unitary Patent and Unified Patent Court –
what patent searchers need to know
Innovation survey

Plenary presentation
11.30-12.00 hrs

Heiko Wongel

How patent information supports innovation – a recent survey by the EPO
IPscore

Study (by external consultant) carried out in 2017: Analysis of existing patent evaluation tools & position of IPscore

Questions:

- What is the **target audience** for existing tools?
- For which main **purposes** are they designed?
- What **methodologies** are used by the tools and to they involve the analysis of patent information?
- What are the minimal features of a **baseline product**?

**Test cases** to understand how it works in practice
IPscore

Preliminary results

The market for patent (e)valuation tools has developed significantly over the last ten years: many tools and calculators available

Options for potential future market positioning of IPscore:

1. Baseline: small portfolios, improved usability, include PI data

2. Advancement: new qualitative and quantitative method(s)

User support

User queries

2050 user queries concerning either patent information in general or in particular Espacenet since last EPO Patent Information Conference.

More on the forum at epo.org/forums
User support

Improved support services

- **New and updated web forms** with routing direct to the experts for faster response times

- **User feedback forms** in email signatures (ISO compliance) to measure user satisfaction for all online products
## User support

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New
# User support

## Webinars (free of charge)

Recordings available for approximately one month after webinar

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[epo.org/vc](http://epo.org/vc)
New Espacenet

Project split into two major phases:

**Phase I**
- Harmonising the national Interfaces into a centralised Espacenet
- Adding full-text collections

**Phase II**
- Improving Espacenet user experience (new features)
62 countries have an Espacenet national interface
## Espacenet new

Full-text search in:

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Phase II

Meetings with national offices

User consultations
with IP offices (including examiners), industry, patent searchers/information specialists, key stakeholder groups (SACEPO/PDI), consultants, technology transfer officers, academia, patent attorneys and students from all-over Europe, USA, Canada, India.
via face-to-face and online, group and individual interviews
between June 2016 and March 2017
in total 175 participants

User surveys
New Espacenet

Where we are right now

- Design is finalised
- Development in full swing
- Details are discussed

pd >= 2000 AND (ftxt = airbag OR ftxt= "air bag") AND (ia= Volkswagen OR (ia = Karmann and pd <= 2010))
New Espacenet – Timeline

What to expect in 2018

Development & testing

Current Espacenet

Demo

First public release

Final public release

Switch off legacy Espacenet

New Espacenet

Today ——————— June 2018 ———— September 2018 ———— January 2019
New Espacenet

What to expect in 2018

- Two releases: exact launch dates to be confirmed
- Outreach activities
  - introductory video(s)
  - interactive/integrated on-screen help
  - training (train-the-trainers), webinars
  - "asynchronous" learning (e-learning)
  - promotion campaign