PDUD 2022 – OPS and UPP

How UPP is presented in various OPS services
Web services

The EPO web services are designed for automated queries, such as automated data retrieval (by robots) or access via third-party portals (e.g. software packages) etc. They offer similar sets of data as the European Publication Server, European Patent Register and Espacenet.

Open Patent Services

Open Patent Services (OPS) is a web service which provides access to the EPO's data via a standardised XML interface. It does this using RESTful architecture.

› Find out more about Open Patent Services

Register Log in  ➤ Developers' testing area

European Publication Server web services

Updated weekly, the European Publication Server gives you free online access to all the European patent documents published by the EPO.

› Find out more about European Publication Server web services

https://www.epo.org/searching-for-patents/data/web-services/ops.html
All OPS services and its constituents in a nutshell

I. OPS Published - Search:
- biblio
- abstract
- full-cycle
- citing references

II. OPS Published - Retrieval:
- biblio
- abstract *
- full-cycle
- equivalents (simple family)
- images
- full text

III. OPS Legal

IV. OPS Family (INPADOC extended):
- biblio
- legal

V. OPS Register Search:
- biblio
- procedural
- events
- upp

VI. OPS Register – Retrieval:
- biblio
- procedural
- events
- upp

VII. OPS Numbering

VIII. OPS CPC:
- search
- media
- mapping

EP C0/UPP events available
* only with application no
<table>
<thead>
<tr>
<th>Data</th>
<th>EP regional</th>
<th>EP C0</th>
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<tr>
<td>Bibliographic data</td>
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<td>Use family</td>
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<td>Family (simple/extended)</td>
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<td>Citations (cited/citing)</td>
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<td>Use family</td>
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<tr>
<td>INPADOC legal events</td>
<td>⭐</td>
<td>⭐</td>
</tr>
<tr>
<td>Procedural steps and events in Register</td>
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<td>EP C0</td>
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<td>Full text – character-coded</td>
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<td>Use family</td>
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<tr>
<td>Full text - Images</td>
<td>✳️</td>
<td>Use family</td>
</tr>
<tr>
<td>Thumbnail - Images</td>
<td>✳️</td>
<td>Use family</td>
</tr>
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<td>First page clippings</td>
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<td>Use family</td>
</tr>
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<td>✳️</td>
<td>Search by “ufd” and “urd” or application no search</td>
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<tr>
<td>Search option OPS Published</td>
<td>✳️</td>
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</tbody>
</table>
OPS services and UPP
OPS Published - search

- .../rest-services/published-data
- /search/full-cycle/?q=pn=EP2382535

For some publication authorities, the EPODOC format requires that (part of) the kind code be attached to the number as follows:

- for Japanese publications (JP) an entire kind code (a letter and possibly a digit) must be attached to the number, except when the kind code is A;
- for publications with a country code on the following list: AT, AU, BA, BG, CN, DK, FI, IS, KR, NL, NO, PL, SK, UY, TW, YU, a kind code letter must be attached to the number, except when the kind code is A;
- for publications from all other authorities, a kind code letter must be attached to the number, except when the kind code is either A, B or C.

https://www.epo.org/searching-for-patents/data/web-services/ops/faq.html
OPS Published – retrieval

.../rest-services/published-data
/publication/docdb/
EP.2382535.C0/biblio

.../rest-services/published-data
/publication/epodoc/
EP2382535/biblio (full-cycle)
<table>
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<tr>
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<tr>
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<td>20090127</td>
<td>20090127</td>
</tr>
<tr>
<td></td>
<td>HENDLIND KAIKKER [US]</td>
<td></td>
<td></td>
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<tr>
<td>Invention Title:</td>
<td>DEUTSCH: KONVOLVATIONS-FIR-FILTER DER TRANSFORMIERTEN FORM I MIT VORADDIERUNGSTUF</td>
<td>FRANÇAIS: FILTRE DE CONVOLUTION À REFOISSE IMPULSIONNELLE FINE DE FORME TRANSPOSEE AVEC PRE-ADDESSONNEUR</td>
<td>ANGELSCH: SYMMETRISCHE TRANSFORMIERTE CONVOLUTION-FIR FILTER WITH PRE-ADDER</td>
</tr>
</tbody>
</table>
OPS Published – retrieval with biblio, full-cycle, abstract constituents

- .../rest-services/published-data/publication/docdb/EP.2382535.C0
- .../rest-services/published-data/publication/epodoc/EP2382535
- .../rest-services/published-data/publication/docdb/EP.2382535.C0/biblio
- .../rest-services/published-data/publication/docdb/EP.2382535.C0/full-cycle
- .../rest-services/published-data/publication/epodoc/EP2382535/full-cycle

OR:

.../rest-services/published-data/application/epodoc/EP20100701268/biblio
(full-cycle, abstract)
OPS Published – retrieval with equivalents (simple DOCDB family) constituent

.../rest-services/published-data/publication/docdb/EP.2382535.C0/equivalents

![Equivalents Inquiry Table]

.../epodoc/EP2382535/equivalents would produce same results
OPS Published – retrieval with *equivalents* (simple DOCDB family) constituent and combinations

.../rest-services/published-data/publication/docdb/EP2382535.C0/equivalents/

OR .../epodoc/EP2382535/equivalents

- equivalents/biblio
- equivalents/images
- equivalents/abstract
- equivalents/full-cycle
OPS Legal

.../rest-services/legal/publication/docdb/EP.2537562.C0
UP legal events in OPS Legal

List of events will be available here
https://www.epo.org/searching-for-patents/data/coverage/weekly.html
OPS Family

../rest-services/family/publication/docdb/EP.2216857.C0
OPS Family

../rest-services/family/publication/epodoc/EP2216857
OPS Register search – EPODOC format and constituents

Other constituents available: events, procedural steps and upp
OPS Register with Unitary effect request (ufd) and Unitary effect registration dates (urd) field identifiers

.../rest-services/register/search/?q=ufd=yes

.../rest-services/register/search/?q=urd=yes

Query options for UFD and URD:

=true
=false
=no

=ccyymmdd (or ccyymm, cyy, ccyymmdd:ccyymmdd)
ST36 XML as basis for records in OPS Register with UPP constituent - Part I
ST36 XML as basis for records in OPS Register with UPP constituent – Part II
<table>
<thead>
<tr>
<th>Title</th>
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<tr>
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<td>YAML</td>
</tr>
<tr>
<td>OPS version 3.2 documentation – version 1.3.18</td>
<td>PDF</td>
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<td>Open Patent Services input and output XML schema</td>
<td>XSD</td>
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<tr>
<td>EPO St. 36 DOCDB exchange format for bibliographic data</td>
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<td>Open Patent Services XML schemas for CPC:</td>
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<td>Open Patent Services XML scheme for Patent Register</td>
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<td>Legal status tag definition</td>
<td>PDF</td>
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<tr>
<td>CPC International documentation and sample pack (Pack B)</td>
<td>ZIP</td>
</tr>
</tbody>
</table>

[Image: https://ops.epo.org/schema/rplus.xsd]
OPS documentation

- European Patent Office
- OPS documentation
- OPS FAQ
- Discussion forum

Downloads

- Title
- Format
- OPS OpenAPI specification
- JSON
- OPS version 0.2 documentation - version 1.5.15
- PDF
- Open Patent Services initial and updated XML schema
- XSD
- EPO St. 30.000CDB exchange format for bibliographic data
- XSD
- EPO St. 30.000CDB full-text exchange format for full-text data (claims and descriptions)
- XSD
- Open Patent Services XML schema for legal status data
- XSD
- Open Patent Services XML schemes for CPC:
  - CCD schema
  - CPC schema
  - CPC definitions
- Open Patent Services XML schema for Patent Region
- XSD
- Cross-referencing sequences
- XSD
- Legal status tag definition
- XSD
- CPC international classification and mapping package
- XSD

OPS FAQ

- FAQ on Open Patent Services (OPS)

https://www.epo.org/searching-for-patents/data/web-services/ops/faq.html

Discussion forum

- Open Patent Services (OPS) and bulk data subscription products


https://www.epo.org/searching-for-patents/data/web-services/ops.html
Fair user charter

Terms and conditions

https://www.epo.org/service-support/ordering/fair-use.html

https://www.epo.org/service-support/ordering/ops-terms-and-conditions.html
Thank you

Vesna Vajsbaher
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vvajsbaher@epo.org, patentdata@epo.org