



Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

Overview of the PATSTAT product line



PATSTAT

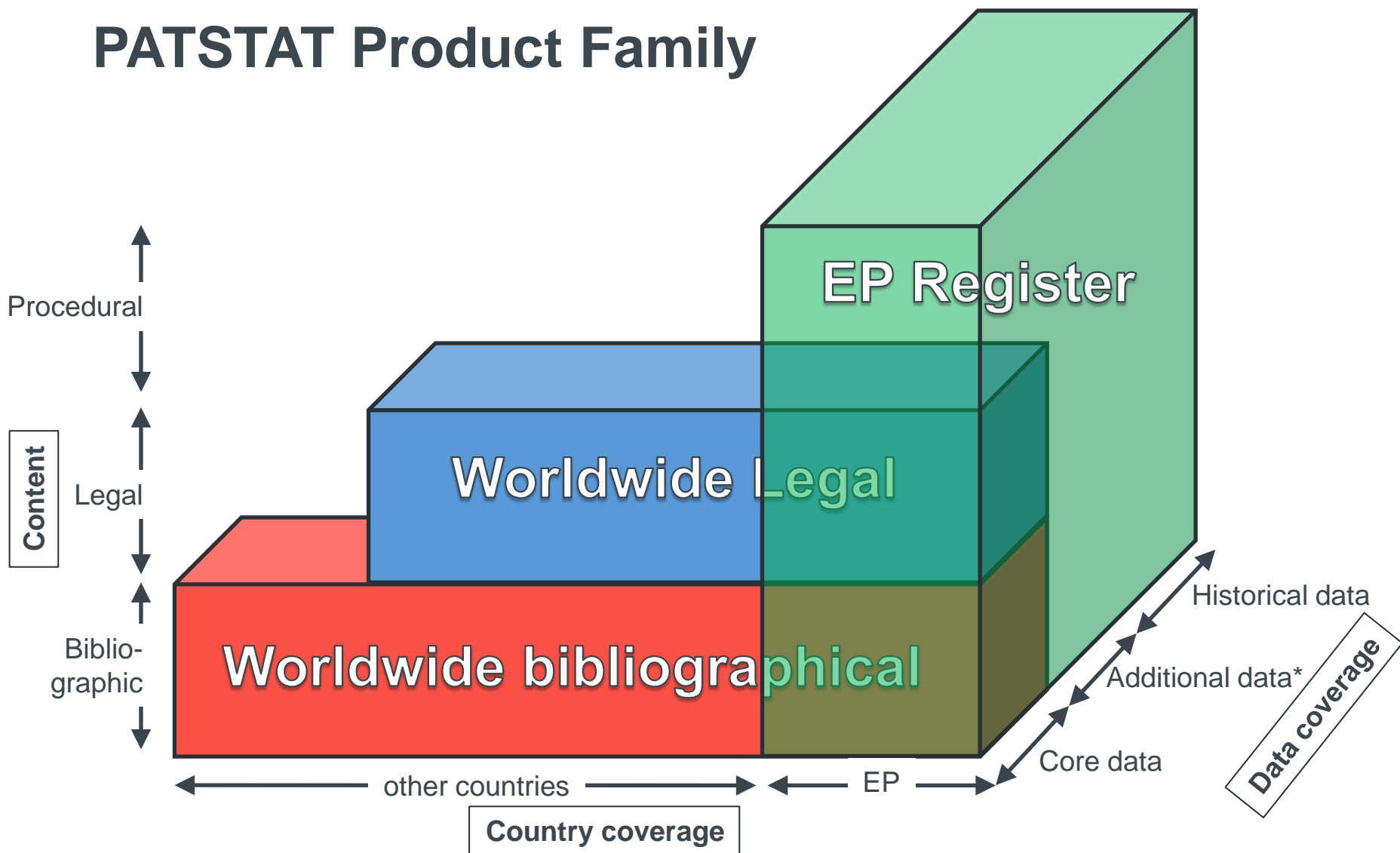
- the "EPO Worldwide Patent Statistical Database"
- tailored to facilitate statistical analysis, not classical search



Focus on forest, not the tree: discover trends and relationships

- updated twice per year
- EPO provides data and database model (table format)

PATSTAT Product Family



3

Additional data*: Representatives, status of application, opponent, appeal, petition, limitations, further procedural data multiple language titles,

PATSTAT is available in 2 formats

PATSTAT Raw Data

- must be loaded into your DB
- full control over your data



```
appln_id,appln_auth,appln_nr,appln  
0,"ZZ","","D ",9999-12-31,"","PI",  
1,"EP","00103094","A ",2000-02-15,  
2,"EP","00107845","A ",1992-12-02,  
3,"EP","00202556","A ",2000-07-17,  
4,"EP","00300208","A ",2000-01-13,  
5,"EP","00310305","A ",2000-11-20,  
6,"EP","00310786","A ",2000-12-05,
```

European Patent Office

PATSTAT Online (hosted)

- ready to use
- separate product
- read only database
- additional functions (downloads, charts)

ID	Dat...	Result	Query
\$17	PAT...	93 801	select * from tis201_appln where appln_auth = 'IE'
\$16	PAT...	10	select top 10 * from tis201_appln
\$15	PAT...	10	select top 10 * from tis201_appln
\$14	PAT...	42	select a.appln_id, appln_nr_epodoc, appln_kind, ap...
\$13	PAT...	100	select * from tis201_appln limit 100

PATSTAT as Raw data

- issued twice a year on DVDs
- designed for import into a relational database of your choice
- a collection of files in CSV format
- about 150 GB / 20 GB (worldwide / EP Register) when unzipped
- about 250 GB / 40 GB DB size with some indexes
- PATSTAT is not "plug & play". You need:
 - the appropriate hardware and software
 - support from an IT specialist for creating DB and import data
 - SQL knowledge to make queries
- the data is stored locally under your full control

PATSTAT as Raw data: Summary

Result table 1 / 100 000									
Row	appln_id	appln_auth	appln_nr	appln_kind	appln_filing_date	appln_nr_epodoc	ipr_type	appln_title_lg	appln_abstract..
1	15904	US	2007082636	W	2007-10-26	WO2007US82636	PI	EN	EN
2	15906	US	2007082772	W	2007-10-29	WO2007US82772	PI	EN	EN
3	15908	US	2007082777	W	2007-10-29	WO2007US82777	PI	EN	EN
4	15910	US	2007082791	W	2007-10-29	WO2007US82791	PI	EN	EN
5	15912	US	2007082792	W	2007-10-29	WO2007US82792	PI	EN	EN
6	15914	US	2007082793	W	2007-10-29	WO2007US82793	PI	EN	EN
7	15916	US	2007082796	W	2007-10-29	WO2007US82796	PI	EN	EN
8	15918	US	2007082813	W	2007-10-29	WO2007US82813	PI	EN	EN
9	15920	US	2007082817	W	2007-10-29	WO2007US82817	PI	EN	EN
10	15922	US	2007082821	W	2007-10-29	WO2007US82821	PI	EN	EN
11	15924	US	2007082822	W	2007-10-29	WO2007US82822	PI	EN	EN
12	15926	US	2007082825	W	2007-10-29	WO2007US82825	PI	EN	EN
13	15928	US	2007082919	W	2007-10-30	WO2007US82919	PI	EN	EN
14	15930	US	2007082924	W	2007-10-30	WO2007US82924	PI	EN	EN
15	15932	US	2007082958	W	2007-10-30	WO2007US82958	PI	EN	EN
16	15934	US	2007083064	W	2007-10-30	WO2007US83064	PI	EN	EN
17	15936	US	2007083104	W	2007-10-31	WO2007US83104	PI	EN	EN
18	15938	US	2007083113	W	2007-10-31	WO2007US83113	PI	EN	EN

PATSTAT Online

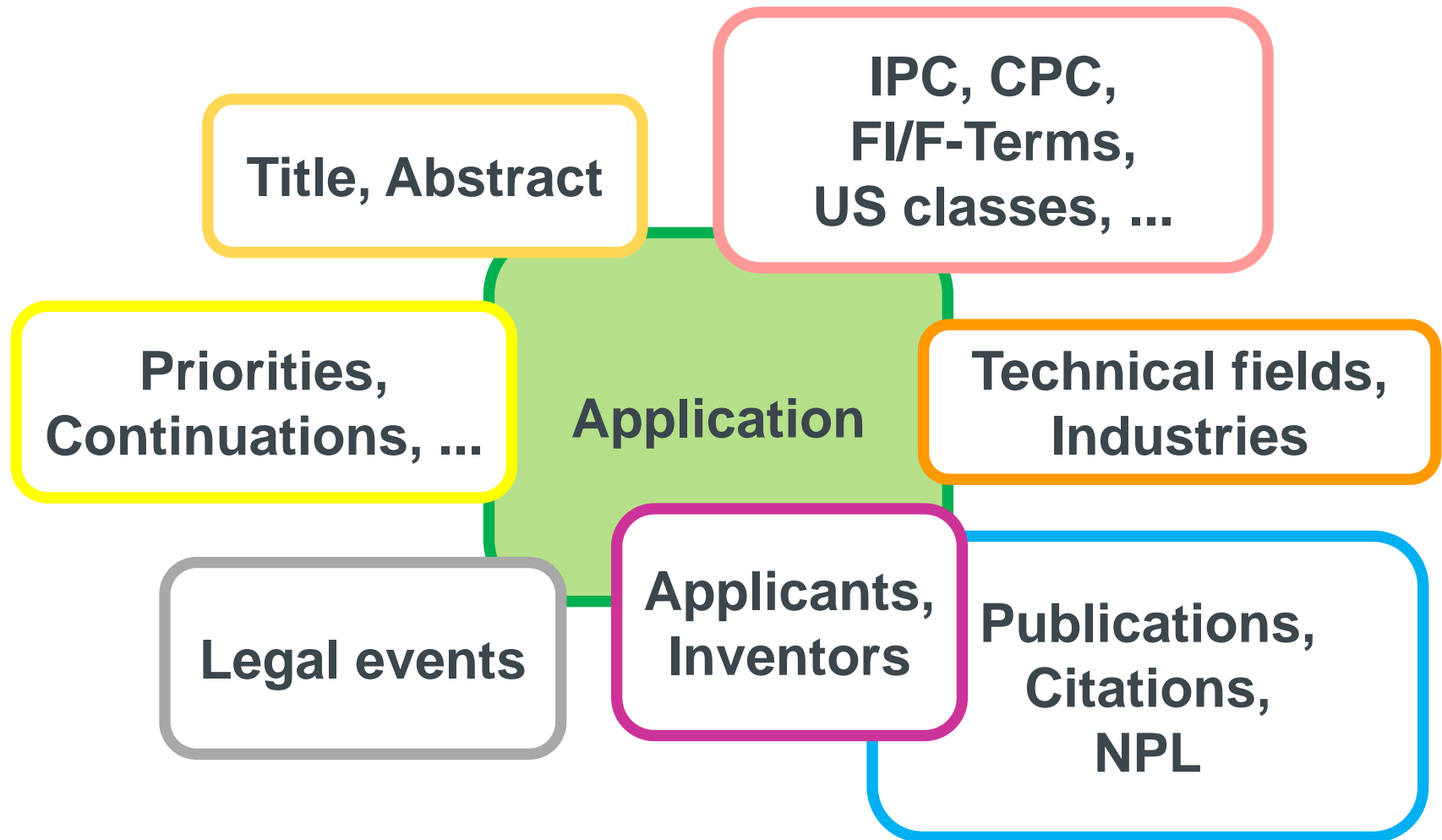
- a hosted version of PATSTAT on MS SQL

- separate product (included in yearly subscription)
- execute any SQL search
- view results & table (with link to ESPACENET)
- display result via configurable built-in charts
- download results to local PC for further processing and visual analysis
- Info & free trial:
 - <http://www.epo.org/searching-for-patents/business/patstat.html>

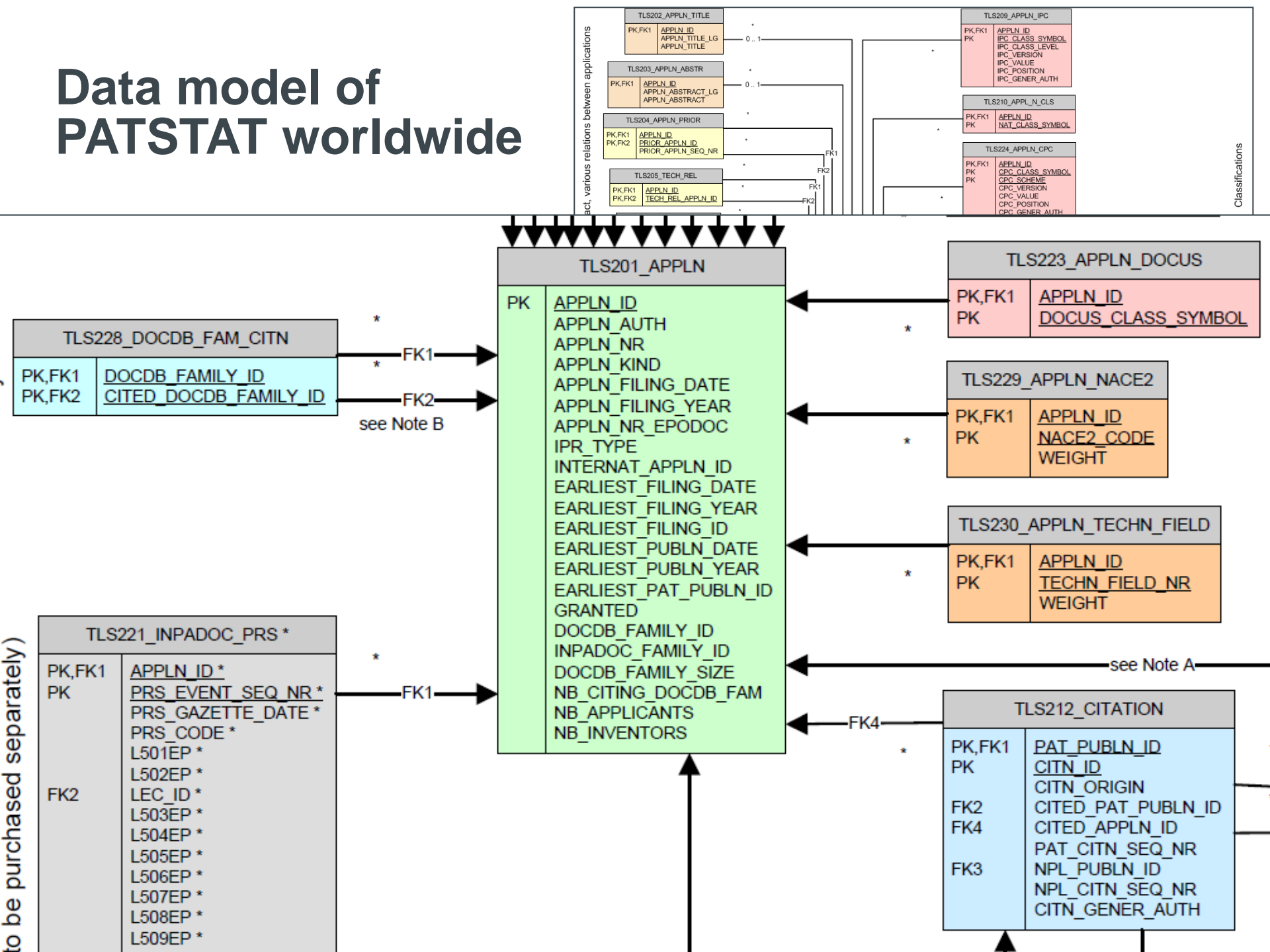
The screenshot displays the PATSTAT Online web interface. At the top, there is a navigation bar with links: Home, Search, Table, Result, and Statistics. Below this, a 'Query' section shows a search bar with a magnifying glass icon and a red text indicator '477 601 rows'. To the right of the search bar are icons for a document, a close button (X), and a save button (floppy disk). The SQL query entered is: `Select * from tls201_appln where appln_auth = 'DK'`. Below the query, a 'Messages' section shows a status message: '12:15:56 [SELECT - 477 601 row(s), 3.233 secs, server #0] Result set fetched'. At the bottom, a 'History' table lists previous queries and their results.

ID	Database	Result	Query
\$44	PATSTAT 2015 Aut...	477 601	Select * from tls201_appln where appln_auth = 'DK'
\$43	PATSTAT 2015 Aut...	1 388	SELECT tls201_appln.appln_id,appln_auth,appln_nr,appln_kind,

Content: Worldwide bibliographic and legal events



Data model of PATSTAT worldwide



Patent Information Services for Experts


Step 1 - User identification

Identified as **gboedt**

Log out

User account preferences

Step 2 - Select database

 Subscriber-only databases

Database name		Database edition	
European patent applications and specifications	EPAB	2016/07	info
European patent bulletin	BULL	2016/07	info
Global patent index	GPI	2016/07	info
PATSTAT Online	PATSTAT	2015 Autumn	info
PATSTAT Online	PATSTAT	2015 Spring	info

Purpose: statistical research

Coverage: snapshot of the EPO worldwide data collection (DOCDB - also used in Espacenet and GPI), containing more than 20 SQL tables including bibliographic data, citations and family links

Update: half-yearly update (spring and autumn)

Login:

<https://data.epo.org/expert-services/index-2-2-5.html>

PISE Login Screen

- Select user interface language (de/en/fr, GPI also Spanish / Japanese)

- Free database: No registration

- EPO

- S

- I

- C

- P

user01 → user22 Password: changeme1

- P (2 most recent editions)

1. Raw data
2. Worldwide Legal status
3. EPO register

Query Window layout

4 main windows

The screenshot shows a software interface for database queries. The top menu bar includes 'Preferences', 'Download', 'Print', and 'Help'. Below this is a toolbar with 'Home', 'Search', 'Table', 'Result', and 'Statistics'. The 'Search' button is highlighted with a red box. The main area is divided into four panes: 'Tables' on the left, 'Query' on the top right, 'Messages' on the bottom right, and 'History' at the bottom. The 'Tables' pane shows a tree view of database tables and their attributes. The 'Query' pane contains a SQL query. The 'Messages' pane shows the execution status and time. The 'History' pane shows a list of previous queries.

Tables and attributes

Query

Messages

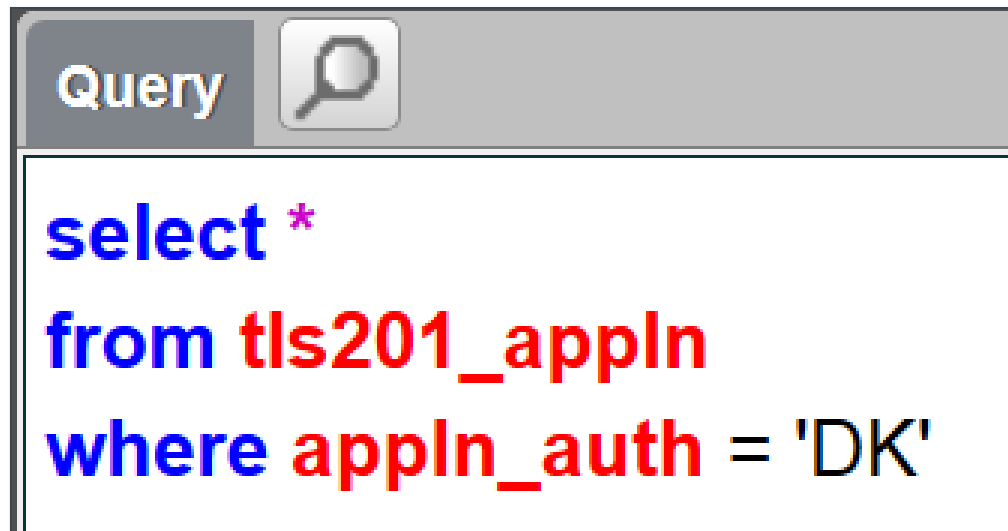
Query history

ID	Database	Result	Query
\$45	PATSTAT 2015...	1 187	select * from tls201_appln where appln_auth = 'ZA' and
\$44	PATSTAT 2015...	477 601	Select * from tls201_appln where appln_auth = 'DK'
\$43	PATSTAT 2015...	4 600	SELECT * from tls201_appln where appln_auth = 'DK'

Query 1: Retrieve Danish applications

Please type in Query Window

(Note: DK is enclosed by single quotes)



and click on the search icon

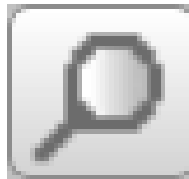


Table Window layout

The screenshot displays a database application window with a dark theme. The top menu bar includes 'Preferences', 'Download', 'Print', 'Help', 'Home', 'Search', 'Table' (selected), 'Result', and 'Statistics'. Below the menu bar, there are three main sections: a 'Query' window, a 'Messages' window, and a 'Result table' window.

Query Window: Contains a SQL query:


```
select *
from tIs201_appln
where appln_auth = 'ZA'
and appln_filing_year between 2012 and 2015
```

 A callout box labeled 'Query' points to this section.

Messages Window: Displays two messages:


```
12:32:55 [SELECT - 1 187 row(s), 0.73 secs, server #0] Result set fetched
12:43:48 [Result table, 0.07 secs, server #0] Data fetched
```

 A callout box labeled 'Messages' points to this section.

Result table Window: Shows the first 5 rows of the result set. The header row is:

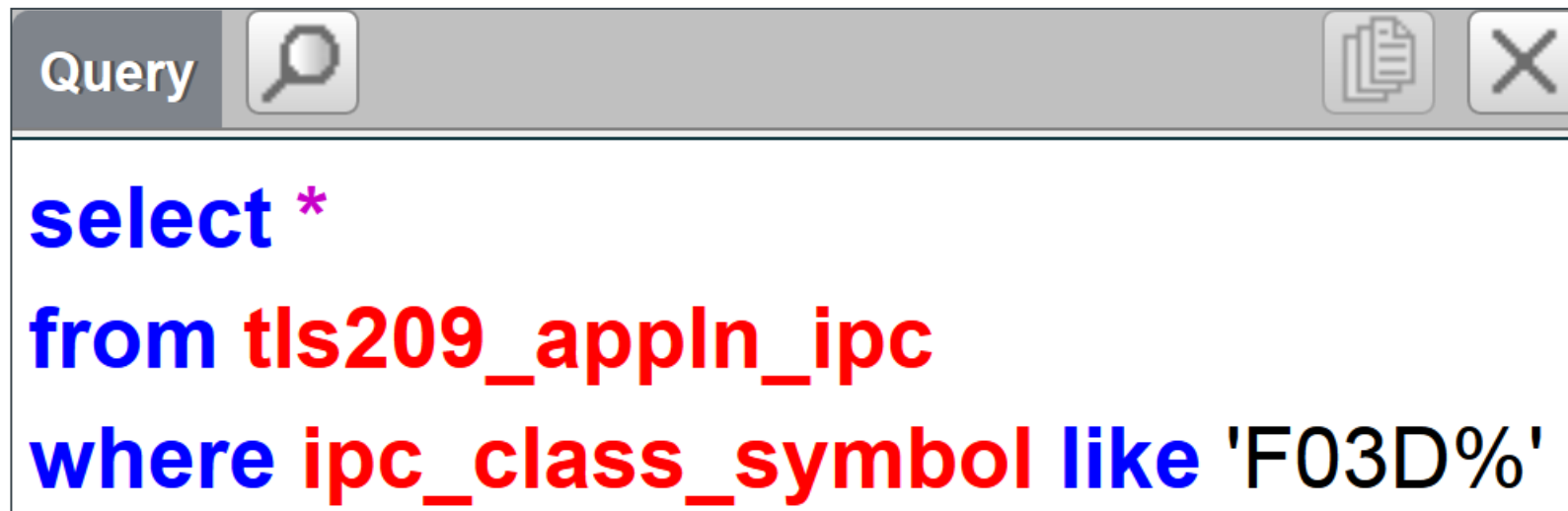
Row	appln_id	appln_auth	appln_nr	appln_kind	appln_filing_date	appln_filing_year	appln_nr_epodoc	ipr_type
1	410055749	ZA	2013000042	W	2013-06-13	2013	WO2013ZA00042	PI
2	410055750	ZA	2013000046	W	2013-07-01	2013	WO2013ZA00046	PI
3	410055751	ZA	2013000049	W	2013-07-12	2013	WO2013ZA00049	PI
4	412536330	ZA	2013000030	W	2013-04-30	2013	WO2013ZA00030	PI
5	422750082	ZA	2014000023	W	2014-04-29	2014	WO2014ZA00023	PI

 A large callout box labeled 'Result Table = result of a query' points to this section.

Query 2: Retrieve IPCs F03D (wind motors)

Please type in Query Window

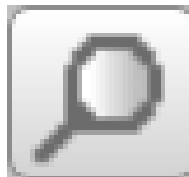
(Note: The %-sign serves as a wild card if used with LIKE)

A screenshot of a query window interface. The window has a title bar with the word "Query" on the left, a magnifying glass icon in the center, and a document icon and a close button (X) on the right. The main area of the window contains a SQL query with the following text:

```
select *  
from tls209_appln_ipc  
where ipc_class_symbol like 'F03D%'
```

 The words "select", "from", and "where" are in blue, while "tls209_appln_ipc", "ipc_class_symbol", and "F03D%" are in red. The asterisk and the word "like" are in blue.



and click on the search icon



Query 3: Retrieve persons starting with “vestas”

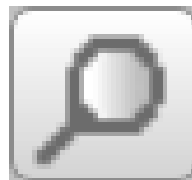
→ "persons" can be inventors or applicants

Please type in Query Window

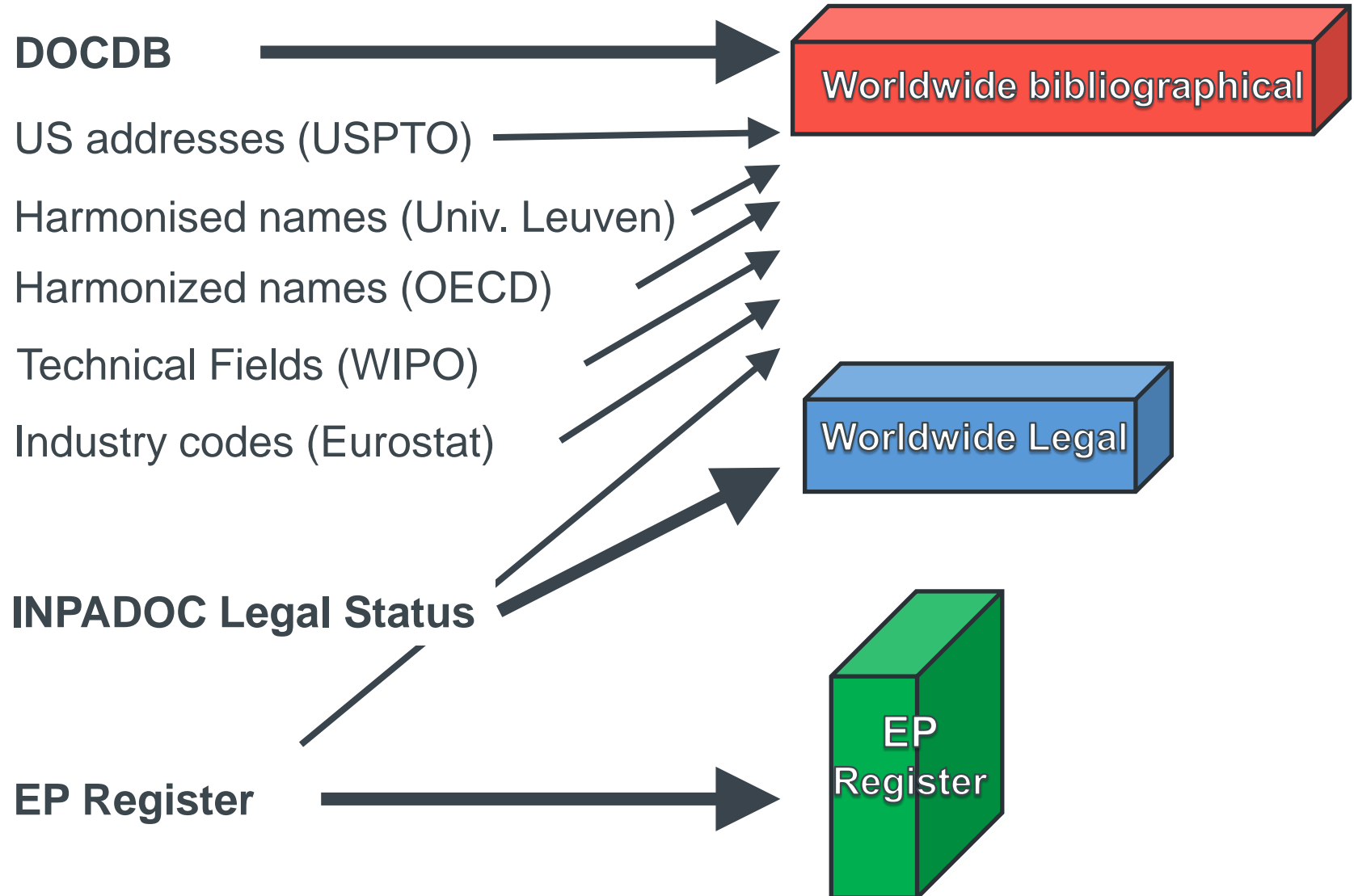
Query  

```
select *  
from tls206_person  
where person_name like 'vestas%'
```

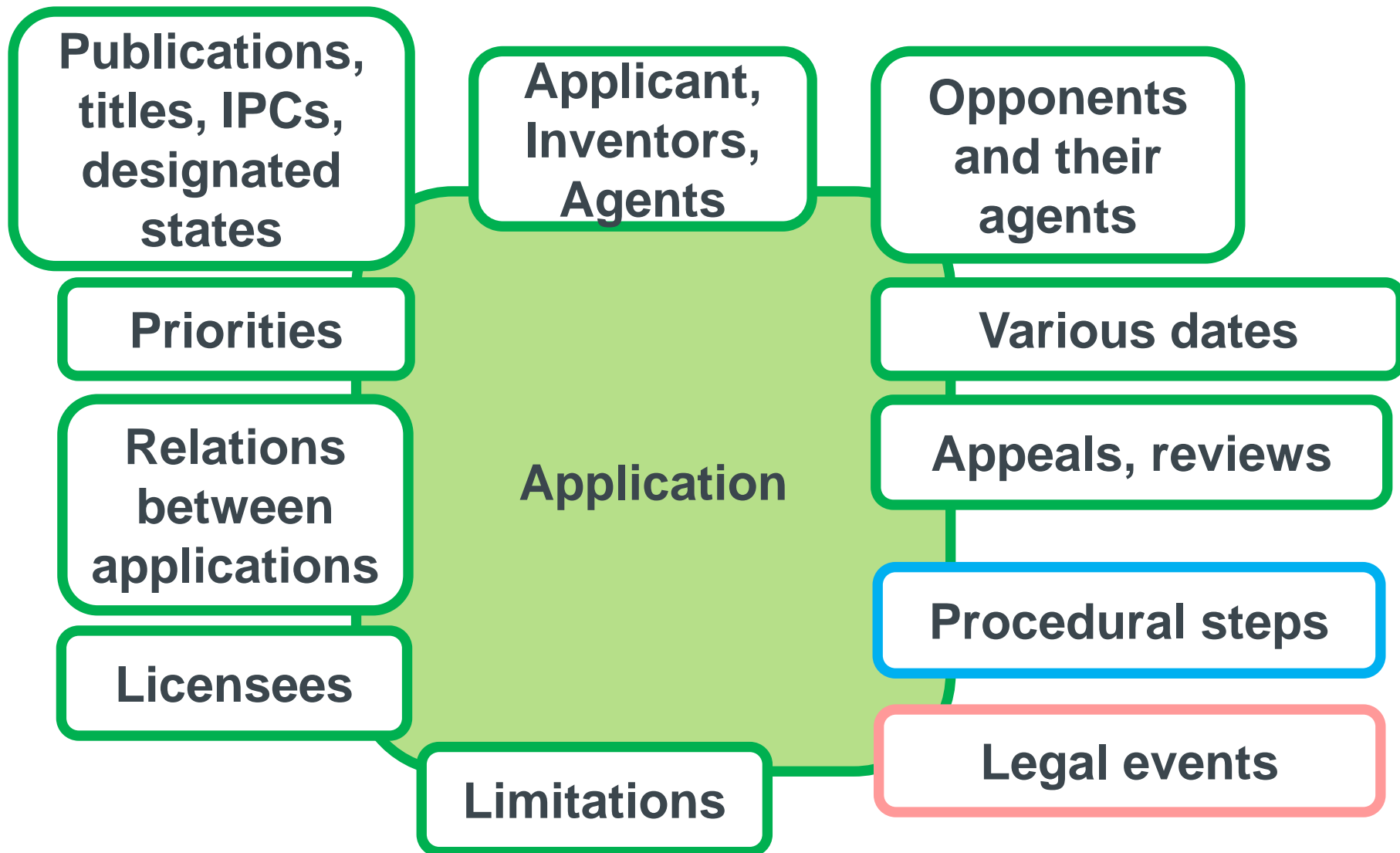
and click on the search icon



Main data sources



Content: EP Register



Combining PATSTAT with other data sources

Some external data has already been integrated into PATSTAT.

Additional publicly available complementary data sets which you can easily combine with PATSTAT data:

- OECD – REGPAT (Regions of persons)
- OECD – Triadic patent families
- OECD – Citations
- Australia – IP Government Open data
- SEP database
- some more !?

Thank you for your attention

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