Tips from the Helpdesk (part 1)
Renate Hedderich
STN User Meeting Brussels 2014
Agenda

• Manual monitoring of patent families
• Cost effective relevance check of WPI results
Search Question:
Every two months I want to monitor some patent publications for new patent family members and legal status changes.

How do I do this and which display format is the best to only see the changes in the family?
A look at a typical automatic alert

- INPAFAMDB is a good choice for patent monitoring
- Use update codes UPFE or EDLS for automatic alert
  - Indicate new family members
  - Indicate new legal status event entries
- Choose run frequency for automatic alerts
  - Weekly or monthly
- Some recommended display formats
  - CFAM FFAMED for weekly SDIs
  - CFAM FFAMED4 for monthly SDIs
What about other alert frequencies in INPAFAMDB?

- Manual alerts are needed for run frequencies other than weekly or monthly
- Update codes for manual alerts
  - UPFE or EDLS also possible
  - Alternative?
- Display format FFAMED not useful
  - Only shows the changes from the last update
- Display format FFAMED4 not useful either
  - Only shows the changes from the last 4 updates
What display formats can we use?

• Standard display format would be FFAM
  – Bibliography and legal status of all family members
• FFAM has no focus on new information entered in the requested range
• Display for large families is very long
• Already known information turns up repeatedly
Is there an alternative?

- Choose update codes ED and UPLS for your manual monitoring

```
=> S(EP 2559391 ... OR US7169137)/PN AND 20130801-20130926/ED,UPLS
```

- No difference in search results to update code EDLS
- But highlighting is more differentiated
- Highlighting can be utilized to gain focused information
Focused output with selected display formats

- Choose Display PI  BIB.H  HIT
- Display PI to see which of the monitored publications caused the hit
- Display BIB.H to see the family member which has been affected by the query (hit bibliography)
- Display HIT to see the legal status event which has been added in the requested range
Example:

```plaintext
=> FILE INPAFAMDB


L1  3 (EP 2559391 OR US20110036660 OR EP2608560 OR US7169137 )/PN AND 20130801-20130926/ED,UPLS

=> D PI BIB.H HIT

<table>
<thead>
<tr>
<th>L1</th>
<th>ANSWER 1 OF 3</th>
<th>INPAFAMDB COPYRIGHT 2013 EPO/FIZ KA on STN</th>
</tr>
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<tbody>
<tr>
<td>PI</td>
<td>CN 103220559</td>
<td>A 20130724</td>
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<tr>
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<td>EP 2608560</td>
<td>A2 20130626</td>
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<td></td>
<td>KR 2013072638</td>
<td>A 20130702</td>
</tr>
<tr>
<td></td>
<td>US 20130162533</td>
<td>A1 20130627</td>
</tr>
</tbody>
</table>

| AN | 49423329 INPAFAMDB ED 20130808 EW 201332 UP 20130808 UW 201332 |
| DN | 74139599 |
| DT | Patent |
| PI | CN 103220559        | A 20130724 |
| PIT| CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV. |
| DAV| 20130724 unexamined-printed-without-grant |
| STA| PRE-GRANT PUBLICATION |
| AI | CN 2012-10599205 A 20121221 |
| AIT| CNA Patent application |
| PRAI| KR 2011-140154 A 20111222 |
| PRAIT| KRA Patent application |
```

Monitoring of 4 publications with update codes ED and UPLS retrieves 3 hits.

D PI shows the family with highlighted publication number.

New CN family member marked by highlighted ED.
### Display first answer:

| AN         | 49423329 INPAFAMDB ED 20130627 EW 201326 UP 20130808 UW 201332 |
| DN         | 73832417                                                        |
| TI         | Verfahren zum Betrieb einer Bildanzeigevorrichtung.            |
| PAS        | LG ELECTRONICS INC, KR                                         |
| DT         | Patent                                                         |
| PI         | EP 2608560 A2 20130626 English                                 |
| PIT        | EPA2 APPLICATION PUBLISHED WITHOUT SEARCH REPORT                |
| DAV        | 20130626 unexamined-printed-without-grant                       |
| STA        | PRE-GRANT PUBLICATION                                          |

**New KR family member marked by highlighted entry date**

| AN         | 49423329 INPAFAMDB ED 20130627 EW 201326 UP 20130808 UW 201332 |
| DN         | 74414146                                                        |
| TI         | METHOD FOR OPERATING AN IMAGE DISPLAY APPARATUS.                |
| PAS        | LG ELECTRONICS INC, KR                                         |
| DT         | Patent                                                         |
| PI         | KR 2013072638 A 20130702                                      |
| PIT        | KRA OFFICIAL GAZETTE OF THE UNEXAMINED PATENTS                  |
| DAV        | 20130702 unexamined-printed-without-grant                       |
| STA        | PRE-GRANT PUBLICATION                                          |

**Monitored family member marked by highlighted publication number**

**D HIT shows new member entry dates and monitored publication number, no legal status changes for this family**
Display PI and BIB.H of answer 3

<table>
<thead>
<tr>
<th>L1</th>
<th>ANSWER 3 OF 3</th>
<th>INPAFAMDB COPYRIGHT 2013 EPO/FIZ KA on STN</th>
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<tr>
<td>AN</td>
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</tr>
<tr>
<td>DN</td>
<td>49924775</td>
<td></td>
</tr>
<tr>
<td>TI</td>
<td>Absorbent article having a decorative element.</td>
<td></td>
</tr>
<tr>
<td>PAS</td>
<td>UNI CHARM CORP, JP</td>
<td></td>
</tr>
<tr>
<td>DT</td>
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</tr>
<tr>
<td>PI</td>
<td>US 7169137</td>
<td>B2 20070130 English</td>
</tr>
<tr>
<td>PIT</td>
<td>USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PUBLICATION [FROM 2001 ONWARDS]</td>
<td></td>
</tr>
<tr>
<td>DAV</td>
<td>20070130</td>
<td>printed-with-grant</td>
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<tr>
<td>AI</td>
<td>US 2005-42197</td>
<td>A  20050126</td>
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<tr>
<td>AIT</td>
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<tr>
<td>PRAI</td>
<td>JP 2002-256073</td>
<td>A  20020830</td>
</tr>
</tbody>
</table>

D PI shows the complete family with highlighted publication number.

Monitored family member marked by highlighted publication number (BIB.H).
Hit display of answer 3

D HIT shows monitored publication number and legal status hits.

Legal status hits show UPLS plus the corresponding LS event.

Integrated application number shows origin of LS event.
Display formats

**Search Question:**
What is the best display format for a fast relevance check of my DWPI search results?
Cost free display formats for DWPI

• D TRIAL is a cost free display format
• Subscriber will see
  – Complete value-add title
  – Answer and accession number and patent classifications
• Non-subscriber will see
  – Title terms
  – Answer and accession number and patent classifications

D SCAN is cost free and shows value-add title but random order of answers
Can I get more cost free information?

- What about D KWIC (keyword-in-context)?
- KWIC shows more content than TRIAL
  - Very helpful for relevance checks
- KWIC shows 20 words before and after a hit term
- Every field is shown which has a highlighted hit term from the query

**USE**.

bypass grafting), blood coagulation disorders such as thrombosis, itch, disorders with an inflammation component (such as multiple sclerosis), epilepsy, encephalitis, Alzheimer's disease, excessive daytime sleepiness, essential hypertension, increased blood pressure associated with diabetes or hyperlipidemia, renal insufficiency, chronic kidney disease, heart. . .
What does KWIC cost? (1)

- KWIC in **text fields and patent classifications**
- Subscriber: free of charge
- Non-subscriber: max. € 0.54 per answer
  - KWIC in title field is charged with € 0.54 (prices 2014)
  - KWIC in other text fields is free of charge
  - Cost risk of max. € 0.54 per answer in case there is a hit term in the title
What does KWIC cost? (2)

• A comprehensive search query may not only use text search elements
  – Refining with name fields (/PA, /PACO, /IN)
  – Refining with dates (/PY, /PY.B, /PRYF, PRD ...)
  – Refining with publication details (/PC, /PK)
  – Searching for recently added family members (/UPP)
• All these query elements provoke hit terms in the bibliographic data
• Display of bibliographic data in DWPI is never free of charge
How can we still benefit from the KWIC display?

- Only KWIC display of the text and classification fields is wanted
- D KWIC (and D HIT) only works when the hit terms are highlighted
- Manipulate the highlighting in our search results
  - Turn highlighting **ON** for text and classification search
  - Turn highlighting **OFF** for bibliographic fields
Example: Alzheimer disease and monoclonal Abs

=> FILE WPINDEX
=> SET SFIELDS BI BIEX
SET COMMAND COMPLETED

=> S (ALZHEIMER OR DEMENTIA OR (MEMORY OR MENTAL) (2A) (DISORDER# OR DISEAS?)) AND MONOCLONAL

L1       2515 (ALZHEIMER/BI,BIEX OR ... OR DISEAS?/BI,BIEX)) AND MONOCLONAL/BI,BIEX

=> S L1 AND PY.B>2012
L2         111 L1 AND PY.B>2012

=> D TRIAL KWIC

Text searching is done in value-add and member data.

Refine to inventions published from 2013 onwards.

By default highlighting is ON.

This display would be cost intensive. By using PY.B search field a hit term is also created in the patent information (PI).
Modified Example:

```plaintext
=> FILE WPINDEX
=> SET SFIELDS BI BIEX
SET COMMAND COMPLETED

=> S (ALZHEIMER OR DEMENTIA OR (MEMORY OR MENTAL) (2A) (DISORDER# OR DISEAS?)) AND MONOCLONAL

L1 2515 (ALZHEIMER/BI,BIEX OR ... OR DISEAS?/BI,BIEX)) AND MONOCLONAL/BI,BIEX

=>  SET HIGHLIGHTING OFF
SET COMMAND COMPLETED

=> S L1 AND PY.B>2012
L2 111 L1 AND PY.B>2012

=>  SET HIGHLIGHTING ON
SET COMMAND COMPLETED

=> S L2 AND L1
L3 111 L2 AND L1
```

- Turn highlighting OFF for the next step.
- Now refine to inventions published from 2013 onwards.
- Turn highlighting back ON.
- Now combine the results with the text search L# to get the highlighting within the text fields back into the records.
Nov. proteins are porcine epidemic diarrhea virus (PEDV) virus S1 protein and porcine transmissible gastroenteritis virus (TGEV) S protein of the Alzheimer's disease (AD) locus recombinant expression protein; the detection layer is two quality control lines.

Member. of S1 protein and the porcine recombinant protein, the two quality control lines are specifically a monoclonal antibody referring to two proteins. Compared with the traditional detection test paper strip PEDV with TGEV antibody, test paper of. . .
New monoclonal antibody that specifically binds to beta-amyloid peptide or an aggregated form of beta-amyloid peptide, useful e.g. for treating Alzheimer’s, multi-infarct dementia, mild cognitive impairment and cerebral amyloid angiopathy.

NOVELTY - Monoclonal antibody that specifically binds to a beta-amyloid (A beta) peptide or an aggregated form of a beta-amyloid.

USE. . .

with altered A beta or beta-amyloid precursor protein expression or accumulation of A beta peptide, where the disease includes Alzheimer’s, multi-infarct dementia, mild cognitive impairment, cerebral amyloid angiopathy, Down’s syndrome, Parkinson’s disease, Creutzfeldt Jakob disease, dementia with Lewy body, AIDS (all claimed), depression or vascular disorder. Test details are described but no results given.

Thus KWIC shows also the value-add title beside other text sections with hits.
A view at the display costs:

Subscribers are charged no display costs here.

Non-Subscribers are charged for titles in case they appear in the KWIC format.

From 111 answers 53 titles are displayed and charged. All other text sections are displayed for free.

<table>
<thead>
<tr>
<th>FILE &amp; COST CENTER</th>
<th>QUANTITY @</th>
<th>RATE</th>
<th>ESTIMATED COST</th>
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<tbody>
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<td>HOME FILE</td>
<td>0.01 @</td>
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<tr>
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<tr>
<td>DISPLAY TITLE</td>
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</tr>
</tbody>
</table>
Which databases offer the free KWIC in text fields?

- You can use the free of charge KWIC for text fields in many STN patent files
  - DWPI
  - All patent full text databases
    - Cluster PNTTEXT
- Some engineering files
  - INSPEC
  - COMPENDEX
- When using KWIC – don’t include any bibliographic or patent search fields into your query when highlighting is turned ON
Summary

• Manual patent monitoring in INPAFAMDB
  – Try ED and UPLS
  – In combination with display format PI BIB.H HIT for all changes in a patent family

• Relevance check of DWPI answers
  – Use (TI) TRIAL KWIC
  – But work with SET HIGHLIGHTING ON/OFF to avoid highlighting in bibliographic fields
For more information …

CAS
help@cas.org
Support and Training:
www.cas.org

FIZ Karlsruhe
helpdesk@fiz-karlsruhe.de
Support and Training:
www.stn-international.de