CPC Implementation and Delivery of The CPC Data at The Israel Patent Office (ILPO)

Yoav Sin-Malia
Head of CPC project
ILPO Information System Manager

6 February 2018
5th EPO-USPTO CPC Annual Meeting, Geneva
Agenda

- Classification/Search under the CPC system
- Quality Assurance process under the CPC system
- CPC Training
- CPC Implementation
- CPC data exchange
## Classification/Search under the CPC system

<table>
<thead>
<tr>
<th>Technical fields classified</th>
<th>Currently classifying</th>
<th>Classifying in the future</th>
<th>Searching documents</th>
<th>Backfile</th>
<th>Utility models</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sections A-H</td>
<td>National patent applications since Sep. 2016</td>
<td>PCT applications (Q4 2018)</td>
<td>Yes</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>
## Search strategy

### Database 1 (Patents):

<table>
<thead>
<tr>
<th>Database</th>
<th>Derwent Innovation</th>
<th>DWPI</th>
<th>Orbit (FamPat)</th>
<th>PatBase</th>
<th>CAplus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Database</th>
<th>MARPAT</th>
<th>RAPRA</th>
<th>CBNB</th>
<th>Espacenet</th>
<th>FSTA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>□</td>
<td>□</td>
<td></td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Database</th>
<th>Google Patents</th>
<th>EPOQUE Net</th>
<th>INSPEC</th>
<th>INPADOC</th>
<th>PatentScope</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Database</th>
<th>STN-Patent full-text</th>
<th>RAPRA</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>□</td>
<td>□</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Query:

1. (TISSUE OXIMET+)/TI/AB/IW/TX
2. (((SENSOR? OR DETECTOR?) 3D (SOURCE? OR EMITTER?)) S (DISTANCE? OR LENGTH?))/TI/AB/IW/TX
3. 1 AND 2
4. (((OXYGEN SATURATION) OR OXYMET+) AND ((DIFFUSE REFLECTANCE) OR (SPATIALLY RESOLVED) OR (TISSUE OXIOMETRY) OR (REFLECTANCE OXIOMETRY) OR (REGIONAL OXIOMETRY)))/TI/AB/IW/TX
5. (HAND_HELD OR HAND_CAR+)/TI/AB/IW/TX
6. 5 AND 4 AND 2
7. (PORTABLE)/TI/AB/IW/TX
8. 7 AND 4 AND 2
9. ((SECOND WAVELENGTH) OR (SECOND DEPTH))/TI/AB/IW/TX
10. (1 OR 4) AND 2 AND 9
11. (THRESHOLD DISTANCE)/TI/AB/IW/TX
12. (1 OR 4) AND 2 AND 11
13. ((REPLAC+ OR CHANGE+ OR DETACH+ ) S (SENSOR? OR HEAD? OR TIP? OR PROB?))/TI/AB/IW/TX
14. 13 AND (1 OR 4)
15. 13 AND (1 OR 4) AND 2
16. ((REPLAC+ OR CHANGE+ OR DETACH+ ) 6D (SENSOR? OR HEAD? OR TIP? OR PROB?))/TI/AB/IW/TX
17. 16 AND (1 OR 4) AND 2
18. (A61B-005/1455 OR A61B-005/14551 OR A61B-005/14552)/IPC/CPC
19. 18 AND 2
20. (OXYMET+ OR OXIMET+ OR (OXYGEN 3D SATURATION))/TI/AB/IW/TX AND (A61B-005/1455 OR A61B-005/14551 OR A61B-005/14552)/IPC/CPC
21. (A61B-2562/0242)/IPC/CPC
22. 21 AND 20
23. 22 NOT (3 OR 6 OR 8 OR 10 OR 15 OR 17)
24. 23 AND 5
25. (A61B-2560/0431)/IPC/CPC
26. 25 AND 2
Quality Assurance

Do you have a Quality Assurance process for the classification under the CPC system?

- Head of CPC project
- Quality Nominee for each technical team
  - Quality checking [50%]
  - Quality checklist
CPC QA checklist

- Used by CPC Nominees in quarterly quality checking
- Comparison of national CPCs with corresponding applications
CPC Training

What type of CPC Training have you put in place within your office (general and/or specific technical field)?

- Two 5-day trainings by USPTO
  - Basic (2016)
  - Advanced (2017)
- CPC General and advanced Training hosted by the EPO (2016, 2017)
- By the Quality Nominees for each team
  - On a quarterly basis (as from 2018)
- Entry-level training for new patent examiners
  - Theoretical and practical
- Direct support upon request/need
- E-learning modules
CPC Implementation

- Greatest benefit to ILPO
  - More accurate search of relevant documents
- Challenges experienced in CPC implementation
  - Adapting internal system
- Issues in CPC system update
  - Lack of full-automatic update
- Language of CPC schemes
  - English – no translation
Data Exchange with USPTO

- For the front files
  - On a monthly basis since Sep. 2016
- Issues encountered while exchanging the CPC data?
  - None
Thank you!