



State of Israel
Ministry of Justice



The Israel
Patent Office

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





State of Israel
Ministry of Justice



The Israel
Patent Office

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

| Technical fields classified | Currently classifying | Classifying in the future | Searching documents | Backfile | Utility models |
|-----------------------------|--|----------------------------|---------------------|----------|----------------|
| Sections A-H | National patent applications since Sep. 2016 | PCT applications (Q4 2018) | Yes | None | None |

Search strategy

Database 1 (Patents):

| | | | | |
|---|-------------------------------------|--|------------------------------------|--------------------------------------|
| <input type="checkbox"/> Derwent Innovation | <input type="checkbox"/> DWPI | <input checked="" type="checkbox"/> Orbit (FamPat) | <input type="checkbox"/> PatBase | <input type="checkbox"/> CAplus |
| <input type="checkbox"/> MARPAT | <input type="checkbox"/> RAPRA | <input type="checkbox"/> CBNB | <input type="checkbox"/> Espacenet | <input type="checkbox"/> FSTA |
| <input type="checkbox"/> Google Patents | <input type="checkbox"/> EPOQUE Net | <input type="checkbox"/> INSPEC | <input type="checkbox"/> INPADOC | <input type="checkbox"/> PatentScope |
| <input type="checkbox"/> STN-Patent full-text | <input type="checkbox"/> RAPRA | <input type="checkbox"/> Other : _____ | | |

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 OXIMETRY) OR (REFLECTANCE OXIMETRY) OR (REGIONAL OXIMETRY)))/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



State of Israel
Ministry of Justice

CPC QA checklist

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

| | | |
|--|------------------------------|---|
|  Ministry of Justice Israel Patent Office  | | Quality Assurance Cooperative Patent Classification (CPC) |
| Application number: | Main CPC in internal system: | |
| Substantive Examiner: | Team: | |
| Quality Nominee: | Date: | |

| | Subjects to check | Yes | No |
|---|--|--------------------------|--------------------------|
| 1 | CPC classification of subject matter recorded in internal system | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | Corresponding IPC classification of subject matter recorded in internal system | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | Main classification is correct | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | All CPC symbols are relevant to the invention | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | CPC symbols are selected according to CPC rules and principles | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | Other CPC symbols should have been selected | <input type="checkbox"/> | <input type="checkbox"/> |

| | |
|-----------------|--|
| Comments | |
|-----------------|--|

| | | |
|----------------|----------------------------------|------------------------------------|
| Summary | Correct <input type="checkbox"/> | Incorrect <input type="checkbox"/> |
|----------------|----------------------------------|------------------------------------|

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



State of Israel
Ministry of Justice



The Israel
Patent Office

Thank you !



ILPO