7th EPO-USPTO CPC annual meeting with national offices

USPTO and EPO updates

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José Alconchel – Pierre Held

18 February 2020
USPTO update
CPC Implementation at the USPTO

- The USPTO transitioning from USPC (United States Patent Classification) routing to **CPC routing**
  - The CPC routing project also included a review and reallocation of time allotted to examiners for each application
  - The routing per CPC will start in October 2020.

- Research on artificial intelligence (AI) for classification
The USPTO future plans:

Search and Classification Examiners (SCE) Program:

• Approximately **140** SCEs to start in their role in April 2020
  o It is a 2 year assignment.
  o The SCEs will examine for 70% of their time.
• The SCEs will be tasked with many classification related activities including:
  o Quality assurance of initial classification and reclassification
  o Revision projects
  o Technical field training
  o Continued collaboration with EPO QNs to ensure harmonized classification practices
EPO update
CPC collective training event (16-18 June 2020, The Hague)

- Theme: Additive Manufacturing – 3D printing
  - **ICT**: G06F30/00 (CAD), H04N1 (scanning)
  - **HBC**: B22F (working metallic powder), C22C (alloys)
  - **M&M**: B41J2 (printing, e.g. inkjet printers), B29C64 (additive deposition), B29D35 (producing footwear)
  - B33Y

- Blended approach including classification of documents

- Other technical fields?
  Please contact us at cpctraining@epo.org
<table>
<thead>
<tr>
<th>Fields sector ICT</th>
<th>Fields sector HBC</th>
<th>Fields sector MM</th>
</tr>
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<tbody>
<tr>
<td>A61K39(A61K70)</td>
<td>B04Y220</td>
<td>F02B</td>
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<tr>
<td>B04Y220</td>
<td>Type of vehicle</td>
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<td>B04W</td>
<td>Conjoint control of vehicle subunits of different type or different function; control systems specially adapted for hybrid vehicles; road vehicle drive control; systems for purposes not related to the control of a particular subunit</td>
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<td>C12M</td>
<td>APPARATUS FOR ENZYMOLGY OR MICROBIOLOGY; APPARATUS FOR CULTURING MICROORGANISMS FOR PRODUCING BIOMASS, FOR GROWING CELLS OR FOR OBTAINING FERMENTATION OR METABOLIC PRODUCTS, I.E. (BIOREACTORS OR FERMENTERS)</td>
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<td>the non-active ingredient being chemically bound to the active ingredient, e.g. polymer-drug conjugates</td>
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<tr>
<td>A61N1</td>
<td>Electrotherapy; Circuits therefor</td>
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<td>C08F</td>
<td>MACROMOLECULAR COMPOUNDS OBTAINED BY REACTIONS ONLY INVOLVING CARBON TO CARBON UNSATURATED BONDS</td>
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<td>MACROMOLECULAR COMPOUNDS OBTAINED OTHER THAN BY REACTIONS ONLY INVOLVING CARBON TO CARBON UNSATURATED BONDS</td>
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<td>F01B</td>
<td>MACHINES OR ENGINES, IN GENERAL OR OF POSITIVE DISPLACEMENT TYPE, E.G. STEAM ENGINES</td>
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<td>F01C</td>
<td>ROTARY PISTON OR OSCILLATING PISTON MACHINES OR ENGINES</td>
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<td>NON-POSITIVE DISPLACEMENT MACHINES OR ENGINES, E.G. STEAM TURBINES</td>
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<td>F01K</td>
<td>STEAM ENGINE PLANTS; STEAM ACCUMULATORS; ENGINE PLANTS NOT OTHERWISE PROVIDED FOR; ENGINES USING SPECIAL WORKING FLUIDS OR CYCLES</td>
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<td>F01L</td>
<td>CYCLICALLY OPERATING VALVES FOR MACHINES OR ENGINES</td>
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<td>F02H</td>
<td>INTERNAL COMBUSTION PISTON ENGINES; COMBUSTION ENGINES IN GENERAL</td>
<td>F02I</td>
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<tr>
<td>F02K</td>
<td>ROTARY PISTON OR OSCILLATING PISTON MACHINES OR ENGINES</td>
<td>F02P</td>
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<tr>
<td>F03B</td>
<td>MACHINES OR ENGINES FOR LIQUIDS</td>
<td>F03C</td>
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<tr>
<td>F04B</td>
<td>POSITIVE DISPLACEMENT MACHINES FOR LIQUIDS; PUMPS</td>
<td>F03D</td>
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<tr>
<td>F04F</td>
<td>PUMPING OF FLUID BY DIRECT CONTACT OF ANOTHER LIQUID OR BY USING INERTIA OF LIQUID TO BE PUMPED</td>
<td>F03G</td>
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Fields proposed in 2019 by some offices (Australia, UK, Spain, Israel)
EPO’s Strategic Plan 2023

Master the Prior Art - Classification
Strategic Plan 2023: Classification

SP2023 Classification Program

- A.I. tools integrated in a GUI to propose classification symbols
- Classification at passage level
- A.I. Pre-classification/direct allocation
- Manage Classification backlogs, review best practices
- International cooperation, NPOs and USPTO
- Business continuity
Project CPC cooperation with the USPTO

- Harmonisation Standards of Classification
- Streamline CPC revision process
- Further development IT infrastructure
Project
International Cooperation in Classification

International cooperation in classification

O1 Improve CPC services to external users
O2 More offices in the CPC
O3 Promote harmonised classification practices
O4 Improve cooperation and work sharing with offices
O5 More offices sending CPC frontfile data
O6 More offices sending CPC reclassification data
O7 More offices sending CPC backfile data
O8 Classification of PCT documents in CPC
O9 CPC data exchange (unpublished phase)
O10 Improve CPC quality monitoring
O11 Provide support for IPC reclassification

Objectives:
- Improve CPC services to external users
- More offices in the CPC
- Promote harmonised classification practices
- Improve cooperation and work sharing with offices
- More offices sending CPC frontfile data
- More offices sending CPC reclassification data
- More offices sending CPC backfile data
- Classification of PCT documents in CPC
- CPC data exchange (unpublished phase)
- Improve CPC quality monitoring
- Provide support for IPC reclassification
Expected deliverables:

- Training material
- CPC data exchange service
- CPC reclassification service
- IPC reclassification service
- CPC quality monitoring service

Embedded in a **CPC collaboration platform**
Project Cooperative Patent Classification (IT Cooperation): focus on EPO Member States

CPC Working Group, 4-5 March 2020 EPO The Hague
Thank you for your attention!

More info?  
www.cpcinfo.org

cpc@uspto.gov  cpc@epo.org