CPC in EPO’s data products

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https://data.epo.org/data
EPO patent information “DocDB”

- DOCDB is the EPO master documentation database with worldwide coverage containing bibliographic data, abstracts, and citations.
- Large re-classification contributions by the co-operating patent authorities will not be contained in the weekly DOCDB update, only in the next backfile. Therefore the DOCDB backfile can be used for a complete update of classifications.
- CPC re-classifications by the EPO and USPTO will be present in the weekly updates.
- XML WIPO Standard 36
Example of CPC in DocDB-XML

```xml
<exch:patent-classifications>
  <patent-classification sequence="1">
    <classification-scheme office="EP" scheme="CPC">
      <date>20130101</date>
    </classification-scheme>
    <classification-symbol>GO6F 17/0233</classification-symbol>
    <classification-value>1</classification-value>
    <classification-status>B</classification-status>
    <classification-data-source>M</classification-data-source>
    <action-date>
      <date>20130101</date>
    </action-date>
  </patent-classification>
  <patent-classification sequence="2">
    <classification-scheme office="EP" scheme="CPC">
      <date>20130101</date>
    </classification-scheme>
    <classification-symbol>GO6F 9/06</classification-symbol>
    <classification-value>1</classification-value>
    <classification-status>B</classification-status>
    <classification-data-source>M</classification-data-source>
    <generating-office>GR</generating-office>
    <action-date>
      <date>20130101</date>
    </action-date>
  </patent-classification>
</exch:patent-classifications>
```
Combinations sets in DocDB-XML

Notes on contents and structure

- Each *combination-set* is a "group" identified by `<group-number>`
- Each *group* will consist of one or more ranks identified by `<rank-number>`
- Each *rank* is a patent classification
- Combination sets are limited to classification-schemes CPC and CPCNO
Example of C-set in DocDB XML

```xml
<exchange-patent-classifications>
  <patent-classification sequence="1">
    ...
    <classification-symbol>C04B 28/04</classification-symbol>
    ...
  </patent-classification>
  <combination-set sequence="2">
    <group-number>1</group-number>
    <combination-rank>
      <rank-number>1</rank-number>
      <patent-classification>
        ...
        <classification-symbol>C04B 28/04</classification-symbol>
        ...
      </patent-classification>
      ...
    </combination-rank>
    <combination-rank>
      <rank-number>2</rank-number>
      <patent-classification>
        ...
        <classification-symbol>C04B 14/185</classification-symbol>
        ...
      </patent-classification>
      ...
    </combination-rank>
    <combination-rank>
      <rank-number>3</rank-number>
      <patent-classification>
        ...
      </patent-classification>
    </combination-rank>
  </combination-set>
</exchange-patent-classifications>
```
Further details and examples are available in DocDB User Documentation v. 2.4.4 to be downloaded from

CPC in XML

Product 14.8: CPC in XML raw data package includes:

a) Complete CPC scheme (in XML and PDF, per section: A, B, C, D, E, F, G, H, Y)
b) CPC Definitions in XML and PDF
c) ECLA to CPC concordance table in XML and PDF
d) CPC in FI and FI in CPC concordance tables
e) IPC to CPC concordance table in XML
f) Schema XSD
Thank you for your attention!

www.cpcinfo.org

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