

# CPC Scheme and Definitions



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EPO Head Classification Knowledge Management

F16G5/14

with reinforcement bonded to the plastic part

# Outline

- Availability
- CPC scheme
  - “original” presentation
  - terminology and usage of CPC symbols
  - “interleaved” presentation
  - Y section
- CPC Definitions

# CPC Scheme and Definitions availability

- [www.cpcinfo.org](http://www.cpcinfo.org)
  - also available here:
    - ECLA-to-CPC concordance list (XML/TXT)
    - CPC-to-IPC concordance list (XML/TXT)
- [worldwide.espacenet.com/classification](http://worldwide.espacenet.com/classification)
- [www.uspto.gov/web/patents/classification/index.html](http://www.uspto.gov/web/patents/classification/index.html)

# CPC “original” scheme layout

Sections A-H	Section Y
<p data-bbox="786 491 1032 531" style="text-align: center;"><b>Main trunk</b></p> <ul data-bbox="427 619 1429 895" style="list-style-type: none"><li>• 647 subclasses</li><li>• ~ 160 000 symbols</li><li>• for invention or additional information</li><li>• <b>{...} and green colour used to distinguish CPC text from IPC one</b></li></ul>	<ul data-bbox="1518 619 1957 1209" style="list-style-type: none"><li>• 6 subclasses</li><li>• ~7 300 symbols</li><li>• including former USPC “XRAC's and digests”</li><li>• for tagging of emerging cross-sectional technologies</li><li>• for additional information only</li></ul>
<p data-bbox="573 991 1240 1031" style="text-align: center;"><b>Indexing codes – 2000 series</b></p> <ul data-bbox="427 1118 1200 1406" style="list-style-type: none"><li>• ~ 82 000 symbols</li><li>• “breakdown” indexing codes (&lt; 2200)</li><li>• “orthogonal” indexing codes (≥ 2200)</li><li>• IPC indexing codes</li><li>• for additional information only</li></ul>	

# Terminology and usage of CPC symbols

CPC symbol	Terminology	Allocation value	Usage
G02F 1/011	main trunk	invention information	to classify a contribution over the prior art
G02F 1/011	main trunk	additional information	to classify an aspect which brings no contribution over the prior art, but is useful for search
G02F <b>2001</b> /0113	2000 series <b>breakdown code</b>	additional information	to classify a refinement or a detail specific (contextual) to the group in consideration
G02F <b>2201</b> /00	2000 series <b>orthogonal code</b>	additional information	to classify a refinement or a detail not specific to the group in consideration, i.e. crossing over (going orthogonal to) more main groups

# The “original” presentation of the CPC

**A61M 1/00 Suction or pumping devices for medical purposes; Devices for carrying-off, for treatment of, or for carrying-over, body-liquids; Drainage systems**

A61M 1/0001 . {Containers for suction drainage, e.g. rigid containers}

A61M 1/0003 . . {Self-contained vacuum aspirators}

A61M 1/0005 . . {with means for emptying the suction container, e.g. by interrupting suction}

A61M 1/0009 . . {incorporating a movable wall to create suction, e.g. syringes}

A61M 1/0011 . . {Drainage containers incorporating a flexible member creating suction, e.g. bags in a low-pressure chamber, bellows}

A61M 1/0013 . . {Two- or three-bottle systems for underwater drainage, e.g. for chest cavity drainage}

A61M 1/0019 . {Drainage containers not being adapted for subjection to vacuum, e.g. bags}

**A61M 39/00 Tubes, tube connectors, tube couplings, valves, access sites or the like, specially adapted for medical use**

**A61M 2001/00 Suction or pumping devices for medical purposes; Devices for carrying-off, for treatment of, or for carrying-over, body-liquids; Drainage systems**

A61M 2001/0001 . {Containers for suction drainage, e.g. rigid containers}

A61M 2001/0005 . . {with means for emptying the suction container, e.g. by interrupting suction}

A61M 2001/0007 . . . Emptying the suction container without interrupting suction

A61M 2001/0015 . . Mechanical means for preventing flexible containers from collapsing when vacuum is applied inside

A61M 2001/0017 . . Bag or liner in a rigid container, with suction applied to both

Breakdown groups

**A61M 2250/00 Specially adapted for animals**

Place holder groups

## The “original” presentation (cont'd)

- Symbols in the 2000 series which are shown in grey are “**place holders**” which mirror non-2000 series groups located higher in the schemes
- **“Place holder” symbols are not used for classification and search purposes**
  - they exist only to provide a hierarchical context to the “breakdown” groups

# The “interleaved” presentation of the CPC

**A61M 1/00 Suction or pumping devices for medical purposes; Devices for carrying-off, for treatment of, or for carrying-over, body-liquids; Drainage systems**

A61M 1/0001 . {Containers for suction drainage, e.g. rigid containers}

A61M 1/0003 . . {Self-contained vacuum aspirators}

A61M 1/0005 . . {with means for emptying the suction container, e.g. by interrupting suction}

A61M 2001/0007 . . . Emptying the suction container without interrupting suction

A61M 1/0009 . . {incorporating a movable wall to create suction, e.g. syringes}

A61M 1/0011 . . {Drainage containers incorporating a flexible member creating suction, e.g. bags in a low-pressure chamber, bellows}

A61M 1/0013 . . {Two- or three-bottle systems for underwater drainage, e.g. for chest cavity drainage}

A61M 2001/0015 . . Mechanical means for preventing flexible containers from collapsing when vacuum is applied inside

A61M 2001/0017 . . Bag or liner in a rigid container, with suction applied to both

A61M 1/0019 . {Drainage containers not being adapted for subjection to vacuum, e.g. bags}



**A61M 39/00 Tubes, tube connectors, tube couplings, valves, access sites or the like, specially adapted for medical use**



**A61M 2250/00 Specially adapted for animals**



## The “interleaved” presentation (cont'd)

- The “interleaved” presentation of the scheme provides an alternate view to the “original” presentation
  - **It presents 2000 breakdown codes interspersed** within the upper part of the scheme in their proper contextual order rather than at the bottom of the scheme indented under the “place holder” groups in the “original presentation”
- Lately the CPC Joint Board has decided that **the “interleaved” presentation should become the official one**
  - to be implemented in the first semester of 2014
  - Only “interleaved version” to be used in the future ? We would like your feedback...

## The Y section: tagging and Y10S

- **General tagging** of new technological developments or of cross-sectional technologies spanning over several sections of the IPC
  - **Y02**: Climate change mitigation technologies (CCMT)
  - **Y04**: Smart grids
- Technical subjects covered by **former USPC** cross-reference art collections [**XRACs**] and **Digests**
  - **Y10S**

# CPC Definitions

- 626 Definitions available for each CPC subclass
  - excluded: indexing-only subclasses, e.g. C10N, G21Y, Y subclasses
- Same layout and structure of IPC Definitions
- All subclasses (except indexing-only ones) and main groups are covered
  - many sub-groups are covered
- 50.000 PDF pages PDF produced in less than two years !

# Thank you!

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