

CPC classification at the Finnish Patent and Registration Office

Pekka Laihanen

Feb 19th, 2019

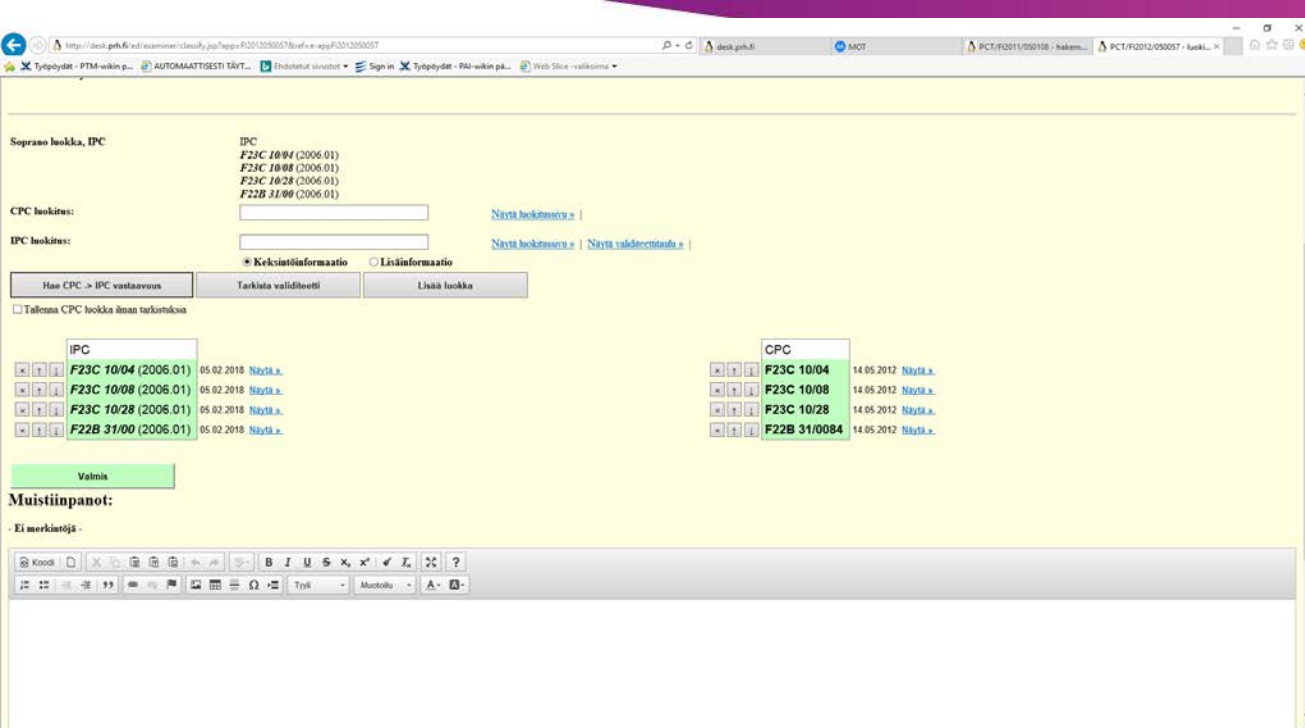
CPC Sixth Annual meeting, Geneva

CPC Classification / Search

Systematic ECLA/CPC classification since 2004

including:
**national applications,
utility models, and
PCT-applications**

ECLA/CPC symbols have "always" been used for search



IPC and CPC symbols are given to PCT applications

... but only IPC is shown in search reports.

However, this may change in the near future!

(Meeting of International Authorities under the Patent Cooperation Treaty
26th session, Cairo February 13-14, 2019)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI2012/050057

CLASSIFICATION OF SUBJECT MATTER
IPC <i>F23C 10/04</i> (2006.01) <i>F23C 10/08</i> (2006.01) <i>F23C 10/28</i> (2006.01) <i>F22B 31/00</i> (2006.01)

No specific CPC Quality Assurance Process

The screenshot shows a web browser window with a search results page. At the top, a red-bordered box contains the message "Haku epäonnistui" (Search failed) with two bullet points: "OPS palvelu ei vastaa. Kokeile myöhemmin uudelleen." and "Voit tallentaa CPC luokan vaihtamalla vaihtoehdon. Tallenna ilman tarkistuksia". Below this, the search details for a patent application are shown, including the title "METHOD TO ENHANCE OPERATION OF CIRCULATING MASS REACTOR AND REACTOR TO CARRY OUT SUCH METHOD" and the applicant "Mikko Jokinen / PCT". The IPC classification is listed as F23C 10/04, F23C 10/08, F23C 10/28, and F22B 31/00. The CPC classification is G08T 7/123. The interface includes buttons for "Hae CPC -> IPC vastaavuus", "Tarkista valditeetti", and "Lisää luokka". At the bottom, there are two tables showing the mapping between IPC and CPC classifications.

IPC	CPC
F23C 10/04 (2006.01)	F23C 10/04
F23C 10/08 (2006.01)	F23C 10/08
F23C 10/28 (2006.01)	F23C 10/28
F22B 31/00 (2006.01)	F22B 31/0084

Naturally our classification tool does not accept invalid symbols (OPS-service check).

There is no any specific process for CPC quality assurance but ... as a part of our general (random) examination quality assurance process also examiner's classifications (of the selected application) are assessed (including the IPC and CPC symbols used for search).

CPC training

General internal training by our classification work group (4 members)

EPO general (collective) and advanced CPC training
EPO expert seminars in various technical fields (incl. CPC classification)
~ 1-4 PRH examiners / year
obligation to give a short lecture of the subject at the PRH

CPC comparisons with other offices (CPC-classifications within the same family)

- similar methodology as used by the EPO
- different offices may be used as benchmarks (FI, EP, US, SE ...)
- no efforts to measure the quality of the classifications



Just information for our examiners for training purposes

CPC-comparison reports generated and sent to all examiners

CPC symbols of the EP- vs. FI-documents of the same family

```
FI20100180
PRH: A61B6/03,A61B6/10,A61B6/035
FAM: A61B6/035

FI20100182
PRH: A61B6/035,A61B6/04,A61B6/03
FAM: A61B6/032,A61B6/04,A61B6/4405,A61B6/035

FI20105476
PRH: G01S17/95,G01W1/02,H01S3/137,G02B5/28
FAM: G01S7/4814,G01K2213/00,G01S17/95,G02B26/001,H01S5/4062,
G02B5/28,G01W1/00,G01S7/4815

FI20105934
PRH: A61B6/08,A61B6/14
FAM: A61B6/545,G06K9/3241,G06T7/0012,A61B6/14

FI20105936
PRH: A61B8/0875,A61B8/5223,A61B8/5292,A61B8/0858,A61B5/4509,
A61N7/00,A61B6/00,A61B8/00
FAM: A61B8/0875,A61B8/5223,A61B6/505,A61B8/5292,A61B8/0858

FT20110102
```

TÄRKEIMMÄT ANALYYSITULOKSET VUOSITTAIN:

Oikeellisuus ja kattavuus keskimäärin sekä nollatapausten osuus ja vertailujen määrä vuosina 2010 - 2014:

vuosi	oik.	kat.	0-vast.	vert. lkm
2010	50.0 %	56.0 %	0 %	5
2011	66.7 %	15.6 %	0 %	3
2012	49.8 %	48.9 %	11 %	9
2013	33.3 %	100.0 %	0 %	1
2014	0.0 %	0.0 %	0 %	0

Each (confidential) report
was sent only to the examiner in question

Analysis period (application years): 2010-2014
average "correctness" and "completeness" / year

CPC data exchange

In the past, very simple: XML-files by e-mail => EPO

From the beginning of 2018:

- All new public CPC-data has been provided twice a month

However ...

- (despite good efforts) reclassification of old (~ 2004-2017) symbols is not quite fully comprehensive yet
(2013-2014: reclassification of ECLA-symbols that could not be converted to CPC, several projects 2015-2017: reclassification of outdated CPC-symbols)
- It is not clear how the new CPC-symbols will be reclassified
↓
reclassification working lists are not utilized (yet) ... wait for CPC intl ?

... data exchange – from PRH database

id	dossier_number	examiner_user_id	new_classification	new_title	new_abstract	ack_messages	due_date	dtopen	id	dossier_id	scheme	subclass	maingroup	subgroup	version	level	position_code	position	classification_value	action_date	reclassification	source	office
...																							
1098527	U20174050								1098527	130981	CPC	H02K	11	30	20160101	A	F	1	I	20170324	B	H	FI
1098528	U20174050								1098528	130981	CPC	H02K	11	35	20160101	A	L	2	I	20170324	B	H	FI
1098529	U20174050								1098529	130981	CPC	H02K	11	215	20160101	A	L	3	I	20170324	B	H	FI
1098530	U20174050								1098530	130981	CPC	H02K	11	25	20160101	A	L	4	I	20170324	B	H	FI
...																							
1104588	FI20165953						2017-07-11		1104588	128633	CPC	H02S	10	12	20170201	A	F	1	I	20170508	B	H	FI
1104589	FI20165953						2017-07-11		1104589	128633	CPC	F03D	9	007	20160501	A	L	2	I	20170508	B	H	FI
1104590	FI20165953						2017-07-11		1104590	128633	CPC	F03D	9	008	20160501	A	L	3	I	20170508	B	H	FI
1104591	FI20165953						2017-07-11		1104591	128633	CPC	H02S	10	30	20141201	A	L	4	I	20170509	B	H	FI
...																							
1121785	FI20175006					%10,%11?d tope=06.0 9.2018	2017-06-19		1121785	129401	CPC	H04N	19	593	20141101	A	F	1	I	20170612	B	H	FI
1121786	FI20175006					%10,%11?d tope=06.0 9.2018	2017-06-19		1121786	129401	CPC	H04N	19	11	20141101	A	L	2	I	20170612	B	H	FI
1121787	FI20175006					%10,%11?d tope=06.0 9.2018	2017-06-19		1121787	129401	CPC	H04N	19	176	20141101	A	L	3	N	20170612	B	H	FI
...																							

... CPC data exchange – as SimplePatentDocument XML

1 <!-- ESIMERKKI MEIDÄN EPO SimplePatentDocument määrittämisen mukaisesta CPC-luokkien tiedonsiirrosta-->

2 <classifications-cpc>

3 <classification-cpc sequence="1">

4 <cpc-version-indicator>

5 <date>20130101</date>

6 </cpc-version-indicator>

7 <section>F</section>

8 <class>23</class>

9 <subclass>D</subclass>

10 <main-group>11</main-group>

11 <subgroup>105</subgroup>

12 <symbol-position>F</symbol-position>

13 <classification-value>I</classification-value>

14 <action-date>

15 <date>20150617</date>

16 </action-date>

17 <generating-office>

18 <country>FI</country>

19 </generating-office>

20 <classification-status>B</classification-status>

21 <classification-data-source>H</classification-data-source>

22 </classification-cpc>

23 <classification-cpc sequence="2">

24 <cpc-version-indicator>

25 <date>20130101</date>

26 </cpc-version-indicator>

27 <section>F</section>

28 <class>23</class>

29 <subclass>D</subclass>

30 <main-group>11</main-group>

31 <subgroup>383</subgroup>

32 <symbol-position>L</symbol-position>

Kiitoksia!

Thank you!