

CPC classification at the Finnish Patent and Registration Office

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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

FINNISH PATENT AND REGISTRATION OFFICE
 Patents and Innovations Line
 P.O. Box 1160
 FIN-00101 Helsinki

SEARCH REPORT

PATENT APPLICATION No. 20071025	CLASSIFICATION	
	Int.Cl. G06T 7/00 (2006.01) H04N 5/067 (2006.01)	CPC G06T 7/001 H04N 5/0675
PATENT CLASSES SEARCHED (classification systems and classes)		

IPC

DA
EPI

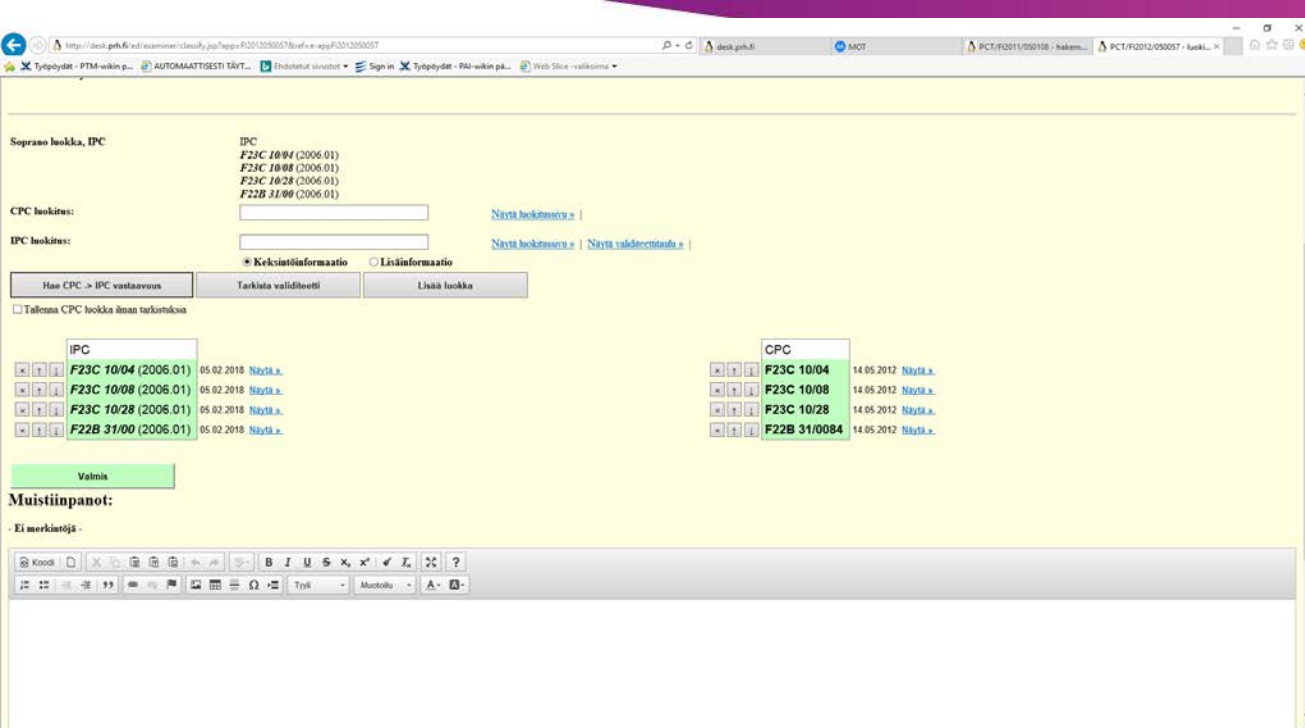
PATENTTI- JA REKISTERIHALLITUS
Patentti- ja rekisterihallitus
00091 PRH

TUTKIMUSRAPORTTI

DO
Cat

HYÖDYLLISYYSMALLI-HAKEMUS NRO U20160129	HYÖDYLLISYYSMALLI NRO 11841	LUOKITUS, IPC	
		IPC G05D 23/19 (2006.01) <i>H05B 1/02</i> (2006.01) <i>G05B 19/042</i> (2006.01) <i>G05B 15/02</i> (2006.01) <i>F24F 11/00</i> (2006.01)	CPC G05D 23/1904 G05D 23/1917 G05D 23/1905 H05B 1/0225 G05B 19/0426 G05B 15/02 F24F 11/0009
TUTKITUT PATENTTILOUKAT (luokitusjärjestelmät ja luokkatiedot) IPC: G05D, H05B			
TUTKIMUKSESSA KÄYTETYT TIETOKANNAT EPODOC, EPO-Internal full-text databases, Full-text translation databases from Asian languages, WIPIAP, XP3GPP, XPAIP, XPESP, XPETSI, XPI3E, XPI3E, XPJETE, XPI3E, XPBSCM, XPMIS, XPBAC, XPB...			

National Search Reports with IPC and CPC



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

No specific CPC Quality Assurance Process

Haku epäonnistui

- OPS palvelu ei vastaa. Kokeile myöhemmin uudelleen.
- Voit tallentaa CPC luokan vaihtamalla vaihtoehdon. Tallenna ilman tarkistuksia

Keksinnön nimi: METHOD TO ENHANCE OPERATION OF CIRCULATING MASS REACTOR AND REACTOR TO CARRY OUT SUCH METHOD
Hakemusnumero: PCT/FI2012/050057 / Mikko Jokinen / PCT
Tullit julkiseksi: EI JULKINEN
Käsitelija: Malo, T.
Hyväksyvä tutkija: Tommi Kajander
Status: 11 – IPEA/FI käsittely päättynyt
Kansainvälinen tekemispäivä: 23.01.2012 / Epoqueset 20120123
Etuokeuspyyntö: 24.01.2011 / Epoqueset 20110124
[Takaisin](#)
- Ei kommentteja -

Soprano luokka, IPC
IPC
F23C 10/04 (2006.01)
F23C 10/08 (2006.01)
F23C 10/28 (2006.01)
F22B 31/00 (2006.01)

CPC luokitus: G08T 7/123 [Näytä luokitusruutu >](#)

IPC luokitus: [Näytä luokitusruutu >](#) [Näytä valditeettitaulu >](#)

Keksintöinformaatio Lisäinformaatio

Tallenna CPC luokka ilman tarkistuksia

IPC	CPC
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> F23C 10/04 (2006.01) 05.02.2018 Näytä >	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> F23C 10/04 14.05.2012 Näytä >
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> F23C 10/08 (2006.01) 05.02.2018 Näytä >	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> F23C 10/08 14.05.2012 Näytä >
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> F23C 10/28 (2006.01) 05.02.2018 Näytä >	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> F23C 10/28 14.05.2012 Näytä >
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> F22B 31/00 (2006.01) 05.02.2018 Näytä >	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> F22B 31/0084 14.05.2012 Näytä >

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 määrittelyn 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!