

# CPC Update

IPC Committee of Experts meeting, 24-25 February 2022

F16M11/2042

•••• {constituted of several dependent joints}

F16M11/205

••••• {the axis of rotation intersecting in a single point e.g. gimbal}

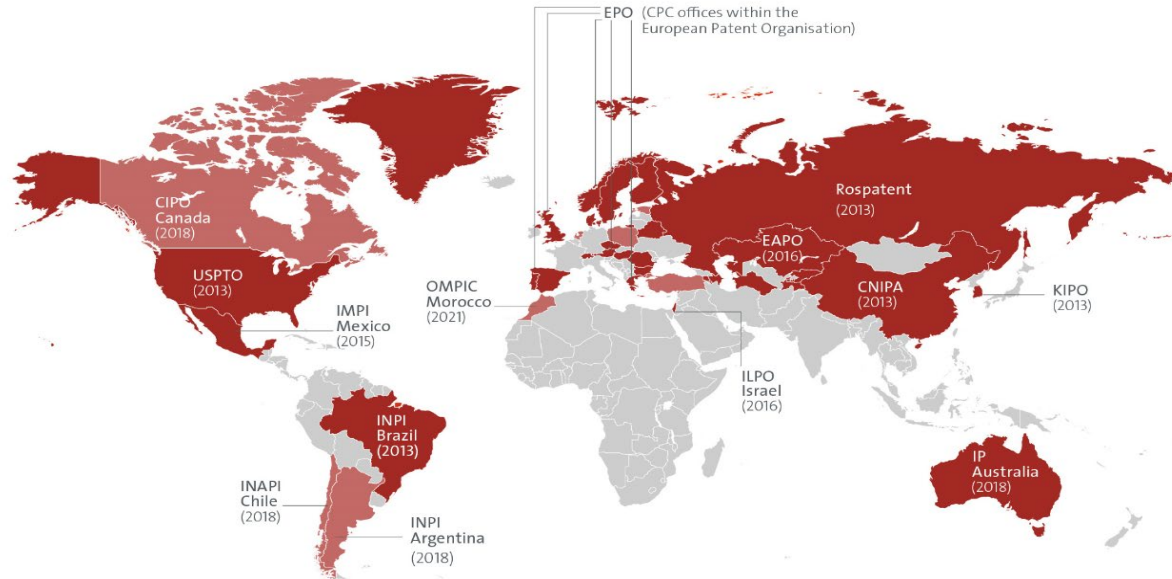
# Agenda:

- CPC co-operation
- Maintenance of the CPC System
- CPC Training
- EPO News

# CPC co-operation

From a bilateral initiative to a global international classification system

# 32 Offices in the CPC

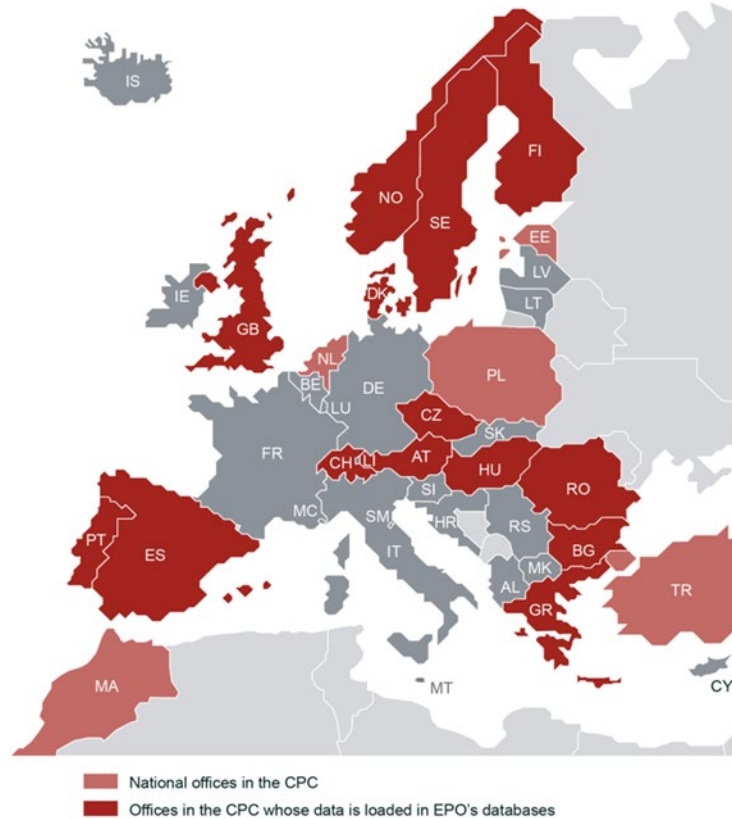


- Offices in the CPC whose data is loaded in EPO's databases
- Offices implementing the CPC

Source: European Patent Office 11.2021

Two new  
CPC offices  
in 2021:  
Morocco and  
Bulgaria

... including 18 EPO member states and 1 validation state



# CPC coverage EPO core collection (3 January 2022)

Country	Country Code	Total Number of Bibliographic Data Records (source: EPODOC on 03/01/2022)	Number of Bibliographic Data Records classified in CPC	% of Bibliographic Data Records classified in CPC
EPO	EP	3.916.222	3.914.280	100,0%
United States	US-A + US-B Docs	1.011.679	13.639.405	99,9%
Austria	AT	1.011.679	727.666	71,9%
Belgium	BE	592.937	559.449	94,4%
Switzerland	CH	721.377	582.741	80,8%
Germany	DE	5.892.936	5.094.389	86,4%
France	FR	2.487.625	2.467.505	99,2%
United Kingdom	GB	2.340.960	2.175.488	89,5%
Luxembourg	LU	64.597	63.580	98,4%
The Netherlands	NL	555.979	543.097	97,7%
ARIPO	AP	5.291	4.053	76,6%
Australia	AU	1.584.215	1.272.420	80,3%
Canada	CA	2.574.759	1.457.068	56,6%
OAPI	OA	13.344	13.217	98,4%
WIPO	WO	4.197.923	4.190.113	99,8%

TOTAL      39.699.070      36.704.471

# CPC data sent by 21 CPC offices (3 January 2022)

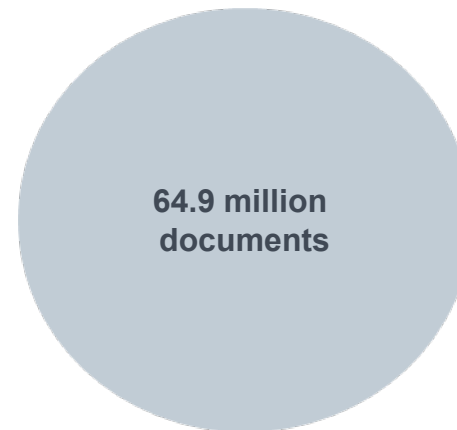
Country	Country Code	Number of applications classified by CPC Office on 03/01/2022
Australia	AU	14.920
Austria	AT	14.869
Bulgaria	BG	0
Brazil	BR	38.419
China	CN	7.426.664
Czech Republic	CZ	5.014
Denmark	DK	2.460
EAPO	EA	9.097
Finland	FI	15.412
Greece	GR	7.692
Hungary	HU	1.974
Israel	IL	11.255
Korea	KR	3.873.874
Mexico	MX	1.587
Norway	NO	12.624
Portugal	PT	1.183
Romania	RO	317
Russian Fed.	RU	204.563
Spain	ES	40.944
Sweden	SE	147.709
Switzerland	CH	6.062
United Kingdom	GB	182.859
	<b>TOTAL</b>	<b><u>12.019.498</u></b>

EPO core collection

+ CPC data from other offices

+ Family propagation

+ 1.5 Million NPL documents



64.9 million documents are now classified in the CPC as of 3 January 2022

# Harmonisation plan EPO-USPTO

- Bilateral agreement on classification practice
- USPTO technical and classification experts meet with EPO Classification Quality Nominees (Class-QNs)
- Standardization of classification practice.



# Revamping the CPC website (cpcinfo.org)

**Cooperative  
Patent  
Classification**  
European Patent Office  
United States Patent and Trademark Office

Home  
Latest news  
About CPC  
Objectives  
CPC Scheme and Definitions  
CPC Revisions  
CPC Concordances  
CPC Training  
Events  
Publications  
Press releases  
Links  
FAQ  
Archive  
Contact Us  
  
Sitemap



EPO and USPTO launched the Cooperative Patent Classification System. The CPC is the result of a partnership between the EPO and the USPTO in their joint effort to develop a common, internationally compatible classification system for technical documents, in particular patent publications, which will be used by both offices in the patent granting process.

## News

1 August 2020

The 2020.08 version is now in force.

As announced, the CPC scheme which has been in force since July 2020 is now in force.

- Website launched Oct 2012
- Needs to be revamped!
- Work has started
- Any feedback / ideas to [cpc@epo.org](mailto:cpc@epo.org); [cpc@uspto.gov](mailto:cpc@uspto.gov)

# Maintenance of the CPC system

# CPC Release Schedule

- Four releases per year
- Announced under "Latest News" section on [www.cpcinfo.org](http://www.cpcinfo.org)

Cooperative  
Patent  
Classification  
European Patent Office  
United States Patent and Trademark Office

Home  
Latest news  
About CPC  
Objectives  
CPC Scheme and Definitions  
CPC Revisions  
CPC Concordances  
CPC Training  
Events  
Publications  
Press releases  
Links  
FAQ  
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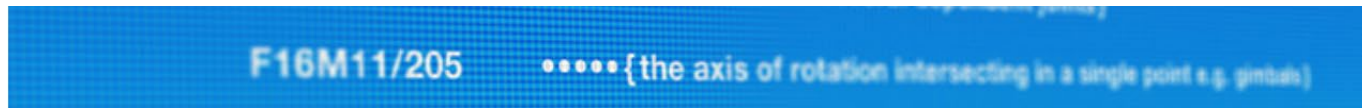
The screenshot shows the CPC website interface. On the left is a navigation menu with 'Latest news' highlighted. The main content area features a blue background with a list of CPC releases from 2021 to 2028, each with a brief description. Below this is a 'News' section dated 20 September 2019, which states that in 2020 newly scheduled CPC releases will enter into force on 1 January (CPC 2020.01), 1 February (CPC 2020.02), 1 May (CPC 2020.05), and 1 August (CPC 2020.08). A search bar and logos for the EPO and USPTO are also visible.

- Four CPC releases in **2022**:
  - 1 January 2022      CPC 2022.01
  - **1 February 2022**    **CPC 2022.02**
  - 1 May 2022          CPC 2022.05
  - 1 August 2022        CPC 2022.08

- Four CPC releases in **2023**:
  - 1 January 2023      CPC 2023.01
  - 1 February 2023     CPC 2023.02
  - 1 May 2023          CPC 2023.05
  - 1 August 2023        CPC 2023.08

# CPC revisions – pre-release area

- Home
- Latest news
- About CPC
- Objectives
- CPC Scheme and Definitions
- CPC Revisions**
  - Notice of Changes
  - Ongoing CPC Projects
  - Pre-release**
  - CPC Concordances
  - CPC Training
  - Events
  - Publications
  - Press releases
- Links
- FAQ
- Archive
- Contact Us



## Pre-release

In this area of the website, CPC related material such as scheme files, notices of changes, concordances, etc, will be published **about one month before official entry into force** of this material.

The publication of the pre-released material started on 6 May 2014 concerning the June 2014 CPC scheme version (2014-06).

The pre-release will normally happen on the first Tuesday of a given month (for example Tuesday 6 May 2014) for entry into force on the first day of the following month (for example 1 June 2014).

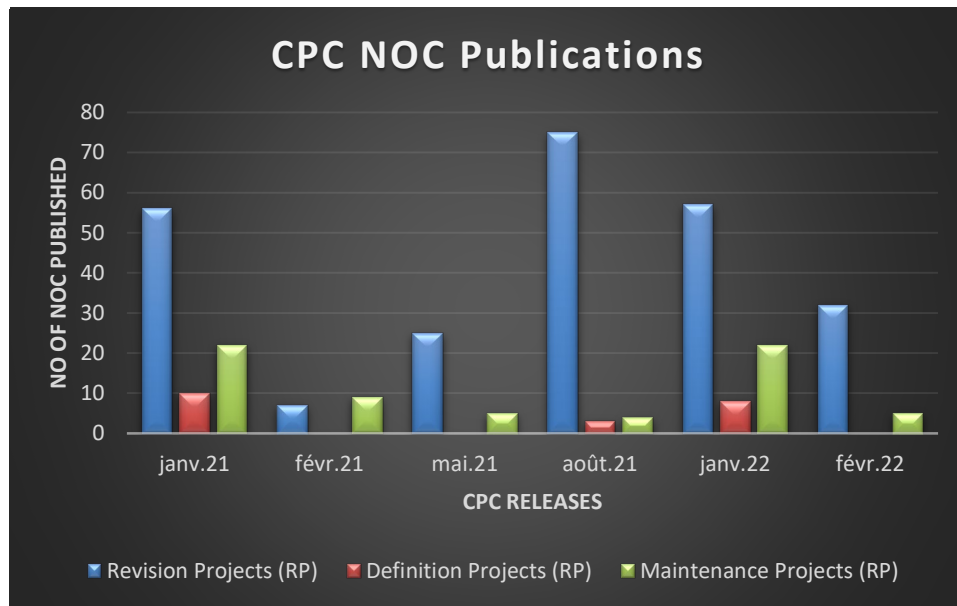
### **5 January 2021: 2021.02 pre-released material:**

- 2021.02 CPC Scheme in [PDF](#) and in [XML](#)
- 2021.02 CPC to IPC concordance in [PDF](#), [XML](#) and [TXT](#)
- Notices of Changes related to the "2021.02 CPC Scheme":
  - [CPC Notice of Changes 1036-MP0499 \(various\)](#)
  - [CPC Notice of Changes 1037-MP0501 \(C09J\)](#)

Search



# CPC Notices of Changes (NoC) publications:

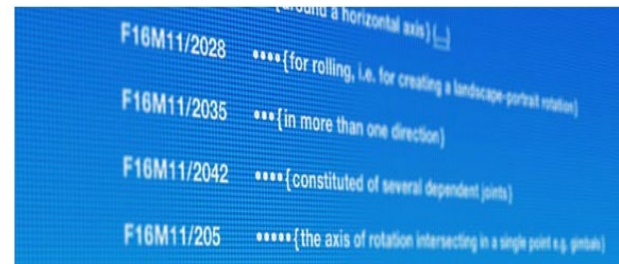


## Cooperative Patent Classification

European Patent Office  
United States Patent and Trademark Office



- Home
- Latest news
- About CPC
- Objectives
- CPC Scheme and Definitions
- CPC Revisions
  - Notice of Changes
- Projects
  - Pre-release
- CPC Concordances
- CPC Training
- Events
- Publications



## CPC Revisions

In this area, information regarding changes made to the CPC scheme will be published in the form of "Notice of Changes" (formerly know as CPC Classification orders).

Information will also be provided about ongoing CPC Scheme revision projects.

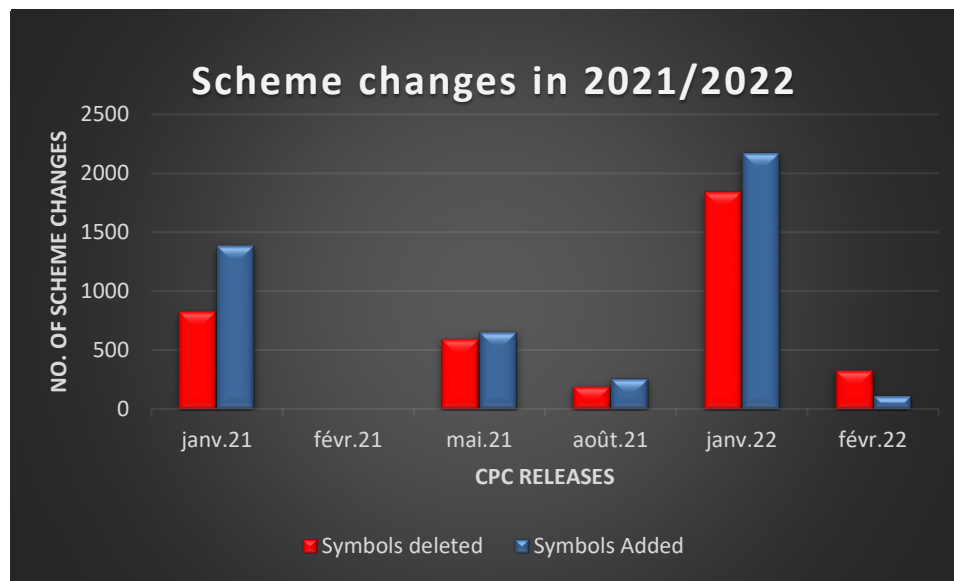
Under the navigation title "Pre-release", as of May 2014, material such as the scheme, notices of changes, concordances, will be made available to the public **about one month ahead of official entry into force** of the corresponding material.

Search  Enter search term



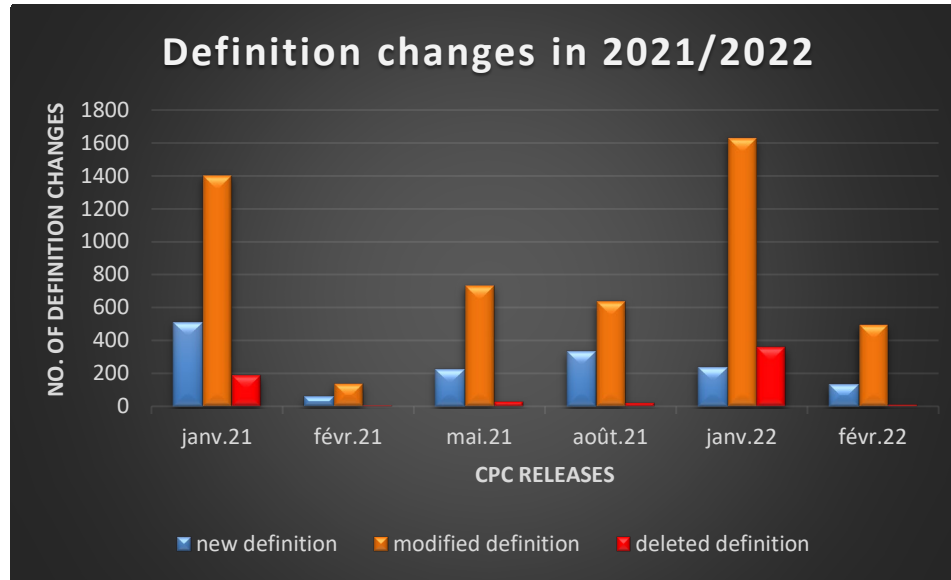
# Scheme Changes in 2021/2022:

- Number of created new symbols
- Number of deleted symbols



# Definition Changes in 2021/2022:

- Number of new definitions
- Number of modified definitions
- Number of deleted definitions



# Combination Sets (C-Sets)

Subclasses where C-sets are authorized:

CPC Section	A	B	C	D	E	F	G	H
CPC Subclasses	A01N	B01D	C04B	D07B	NONE		G01N	H01L
	A23G	B01J	C05B				G02B	
	A23V	B05D	C05C					
	A61K	B22F	C05D					
	A61M	B29C	C05F					
	A61P	B32B	C05G					
		B65H	C07C					
			C08F					
			C08G					
			C08K					
			C08L					
			C09D					
			C09J					
			C10M					
			C12N					
			C12Q					

Published  
in 2021

<https://www.cooperativepatentclassification.org/publications/CombiSetsListofFields.pdf>



# CPC Training

# Want to know more about CPC classification practice?

About CPC  
Objectives  
CPC Scheme and Definitions  
CPC Revisions  
CPC Concordances  
CPC Training  
Events  
Publications  
Press releases  
Links  
FAQ  
Archive  
Contact Us

Sitemap

## CPC Training

The EPO and the USPTO have jointly prepared CPC training material to support users in their learning process of the CPC classification system.

Use the links below to access the material:

- [Introduction to the Cooperative Patent Classification \(CPC\)](#)
- [Using CPC in classification](#) (basic level)
- [Practical and strategic aspects of the CPC](#) (for experienced users)

- CPC Essentials
  - [Part A - introduction to CPC Essentials and patent classification systems](#)
  - [Part B - CPC Scheme](#)
  - [Part C - CPC Scheme Definitions](#)
- [CPC Field Specific training](#)

Following [this link](#) you can access the EPO learning platform (registration required, free of charge) where you can consult some CPC Field Specific Training recorded lectures where CPC experts explain the classification practice in their respective fields of expertise.

This Script is copyrighted material and remains the intellectual work and property of the European Patent Office (EPO). It is shared free of charge "as is" for the use of training exclusively, without ensuring that it is free from any errors or omissions. No warranty of any kind either express or implied is given. Any direct, indirect, special, incidental, punitive, exemplary or consequential damage(s), losses of data, profits or revenues arising out of or in connection with the use or inability to use the EPO's Script are the liability of the user, even if the EPO is advised of the possibility of such damage(s).

[List of technical areas where Combination Sets are used](#)

- [General training on Combination Sets](#)

[Training material on Combination Sets in the Polymers area](#)

- [Introduction](#)
- [General](#)
- [Tables for C08 and C09](#)

- CPC Scheme and Definitions
- CPC General and Advanced training
- E-learning modules:
  - Using CPC in classification
  - Practical and strategic aspects of the CPC
  - CPC essentials
  - General training on Combination sets
- CPC Field-specific training material
  - Recorded lectures on CPCinfo.org (European Patent Academy)

<https://www.cooperativepatentclassification.org/Training>

# EPO News

# CPC on EPO publications:

Register, Bulletin, EPO Bibliographic Data done in 2021!

On EP-A and EP-B publications since 19 January 2022!

# CPC on EP-A and EP-B publications

## Case 1: simple case: less than 15 CPC allocations



(11) **EP 3 940 853 A1**

(12) **EUROPEAN PATENT APPLICATION**  
published in accordance with Art. 153(4) EPC

(43) Date of publication:  
**19.01.2022 Bulletin 2022/03**

(21) Application number: **20810849.8**

(22) Date of filing: **02.06.2020**

(51) International Patent Classification (IPC):  
**H01M 10/0587** <sup>(2010.01)</sup>    **H01M 10/0525** <sup>(2010.01)</sup>  
**H01M 50/204** <sup>(2021.01)</sup>    **H01M 4/04** <sup>(2006.01)</sup>  
**H01M 4/505** <sup>(2010.01)</sup>    **H01M 4/58** <sup>(2010.01)</sup>  
**H01M 4/587** <sup>(2010.01)</sup>    **H01M 4/02** <sup>(2006.01)</sup>

**First** → (52) Cooperative Patent Classification (CPC):  
→ **H01M 10/0587; H01M 10/0525; H01M 50/204;** → **Invention**  
H01M 4/0433; H01M 4/505; H01M 4/5825; → **Additional**  
H01M 4/587; H01M 50/383; H01M 50/548;  
H01M 50/55; H01M 2004/021; H01M 2220/20;  
H01M 2220/30

(86) International application number:  
**PCT/CN2020/094037**

(87) International publication number:  
**WO 2021/243581 (09.12.2021 Gazette 2021/49)**

# CPC on EP-A and EP-B publications

## Case 2: more than 15 allocations and/or C-Sets



(11) **EP 2 766 459 B1**

(12) **EUROPEAN PATENT SPECIFICATION**

(45) Date of publication and mention of the grant of the patent:

**19.01.2022 Bulletin 2022/03**

(21) Application number: **12769223.4**

(22) Date of filing: **12.09.2012**

(51) International Patent Classification (IPC):

**C10M 111/04** <sup>(2006.01)</sup> **C10M 171/02** <sup>(2006.01)</sup>  
**C10M 107/10** <sup>(2006.01)</sup> **C10N 30/02** <sup>(2006.01)</sup>  
**C10N 30/10** <sup>(2006.01)</sup> **C10N 40/25** <sup>(2006.01)</sup>  
**C10N 70/00** <sup>(2006.01)</sup> **C10N 30/00** <sup>(2006.01)</sup>  
**C10N 20/00** <sup>(2006.01)</sup> **C10N 10/04** <sup>(2006.01)</sup>  
**C10N 30/12** <sup>(2006.01)</sup> **C10N 30/04** <sup>(2006.01)</sup>

(52) Cooperative Patent Classification (CPC):

(C-Sets available)

**C10M 107/10; C10M 111/04; C10M 171/02;**  
C10M 2203/1025; C10M 2203/1065;  
C10M 2205/003; C10M 2205/024;  
C10M 2205/0285; C10M 2205/22; C10M 2205/223;  
C10M 2223/045; C10N 2010/04; C10N 2020/071;  
C10N 2030/02; C10N 2030/04; (Cont.)

Indicator for C-Sets

(86) International application number:

**PCT/US2012/054779**

Indicator for continuation at the end of the bibliographic section

(87) International publication number:

**WO 2013/055482 (18.04.2013 Gazette 2013/16)**

# CPC on EP-A and EP-B publications

## Case 2: continuation of information

EP 2 766 459 B1

(74) Representative: **ExxonMobil Chemical Europe Inc.**  
**IP Law Europe**  
**Hermeslaan 2**  
**1831 Machelen (BE)**

(56) References cited:  
**WO-A1-2009/073135**    **US-A- 5 284 988**  
**US-A1- 2001 041 818**    **US-A1- 2009 005 279**  
**US-A1- 2009 156 874**    **US-A1- 2009 240 012**  
**US-A1- 2011 039 743**

(52) Cooperative Patent Classification (CPC): (Cont.)  
C10N 2030/10; C10N 2030/12; C10N 2030/45;  
C10N 2030/52; C10N 2030/54; C10N 2030/68;  
C10N 2030/74; C10N 2040/25; C10N 2070/00

C-Sets

C10M 2203/1025, C10N 2020/02;  
C10M 2205/024, C10M 2205/026;  
C10M 2223/045, C10N 2010/04

← CPC symbols continued (up to 15 symbols  
are displayed on the first page)

← Display of C-Sets

# External Classification Portal (ECP)

Single Access Portal - External Classification Portal

Home, Search, Profile, Logout

Home, Search, Profile, Logout

16M11/2014  
16M11/2021  
16M11/2028  
16M11/2035  
16M11/2042  
16M11/205  
16M11/2057  
16M11/2064  
16M11/2071

### Welcome to the External Classification Portal

The External Classification Portal (ECP) is your portal to classification information from the EPO. We are pleased to announce that our first two services are available from the portal for registered users: the contact information service and the CPC reclassification service. The contact information service enables you to contact EPO experts in specific CPC fields or colleagues CPC administrators from other CPC offices. With the CPC reclassification service you can manage the reclassification workload of your office. More features will be introduced over time as development of the ECP progresses, with the objective to build a worldwide supportive and engaged CPC community.

[Visit CPC website](#)

Quick access to your favourite tools, save time and increase your performance

Contact information >

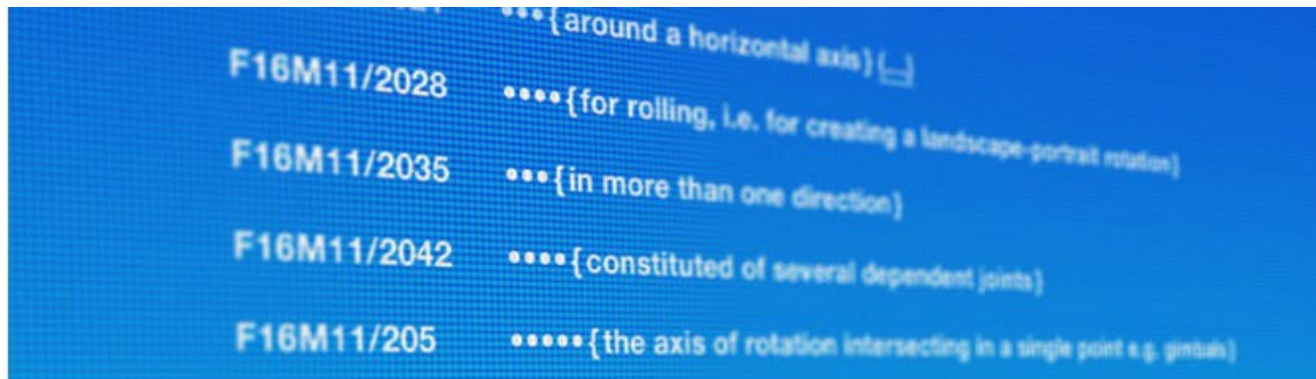
CPC reclassification >

- **Integrated into Single Access Portal**
- **Two services available in production: Contact Information Service and CPC Reclassification Service**
- **Pilot** with CPC Working group members (8 offices)



**Cooperative  
Patent  
Classification**

European Patent Office  
United States Patent and Trademark Office



# Thank you for your attention!

More info?

[www.cpcinfo.org](http://www.cpcinfo.org)

[cpc@uspto.gov](mailto:cpc@uspto.gov)

[cpc@epo.org](mailto:cpc@epo.org)