

# 9<sup>th</sup> CPC Annual meeting with National Offices

15-16 March 2022

F16M11/2042

•••• {constituted of several dependent joints}

F16M11/205

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

# Agenda:

§ CPC State of affairs

§ CPC classification practice

§ CPC upcoming changes and future developments

§ Maintenance of the CPC System

§ New project numbering from CPC 2022.05 onwards

§ Revamping of the CPC bilateral website

§ USPTO News

§ EPO News

# CPC state of affairs

From a bilateral initiative to a global international classification system

# 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)

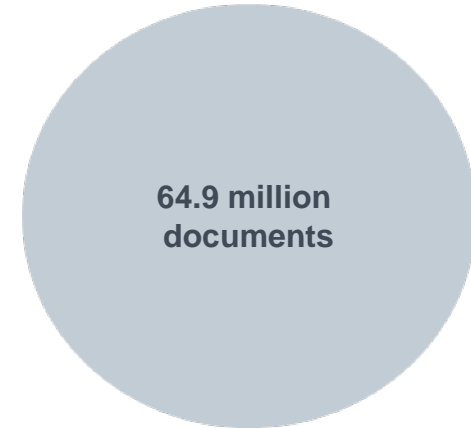
Country	Country Code	Number of applications classified by CPC office on 3 January 2022
Australia	AU	14.920
Austria	AT	14.869
Brazil	BR	38.419
China	CN	7.426.664
Czech Republic	CZ	5.014
Denmark	DK	2.460
EAPO	EA	9.097
Finland	FI	15.412
Greece	GR	7.692
Hungary	HU	1.974
Israel	IL	11.255
Korea	KR	3.873.874
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>12.019.498</b>

EPO core collection

+ CPC data from other offices

+ Family propagation

+ 1.5 Million NPL documents



64.9 million documents

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

# **CPC classification practice**

Promoting a harmonised and consistent use of the CPC for classification

# 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.

# CPC training

- Starts with the CPC scheme and definitions
- Notes and references
- Guide to the IPC
- Guide to the CPC



# CPC training material on cpcinfo.org

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

**CPC Training**

The EPC 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 [these links](#) 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.

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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 C02 and C08

- **E-Learning training modules**
  - Introduction to the CPC
  - Using CPC in classification
  - Practical and strategic aspects of the CPC
  - CPC essentials
- **CPC field-specific training material**
  - Recorded lectures on CPCinfo.org (European Patent Academy)
- **Training material on the use of Combination Sets (C-Sets)**

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

# CPC training material on cpcinfo.org – FST videos

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

- Home
- Latest news
- About CPC
- Objectives
- CPC Scheme and Definitions
- CPC Revisions
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Sitemap



## CPC Training

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Use the links below to access the material

- 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.

- Course "Using CPC in classification"

- CPC General course
- CPC Essentials

- Part A.: Introduction to CPC, Essentials and patent classification options
- Part B.: CPC Scheme
- Part C.: CPC Scheme Definitions

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List of technical areas where Combination Sets are used

General training on Combination Sets

Training material on Combination Sets in the Polymers area

Search  Enter search term



e-learning centre

All courses  Search

You are currently using guest access (Log in)

## CPC field-specific training: recorded lectures

e-learning centre > Courses > Courses > CPC field-specific training

Information Feedback

open all close all

### INTRODUCTION

This course consists of 24 recorded lectures in which expert examiners present their CPC technical fields. The presentations contain examples from most CPC classification sections.

### RECORDED LECTURES

Here you can access the recorded presentations on specific technical fields from the CPC sections. The presentations cover the rules and criteria of classification for each field, neighbouring fields, overall structure and examples.

You can view each video in its entirety or simply watch those parts that interest you.

#### SECTION A

- A61H2: Magnetotherapy, A61N5: Radiation Therapy (Ewa Beck)

#### SECTION B

- B01J3-B01J19: Reactors (Philippe Thomasson)
- B25C: Hand-held nailing or stapling tools; Manually operated portable stapling tools (Radu David)

#### Course Navigation

Course main page

Course content

- INTRODUCTION
- RECORDED LECTURES
- DOWNLOADS

# Revamping the CPC website (cpcinfo.org)

The screenshot shows the homepage of the Cooperative Patent Classification (CPC) website. The header includes the logo for the Cooperative Patent Classification, which is a partnership between the European Patent Office (EPO) and the United States Patent and Trademark Office (USPTO). The main navigation menu on the left lists various sections: 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, and Sitemap. The main content area features a blue background with a list of CPC codes (F16M11/2021, F16M11/2028, F16M11/2035, F16M11/2042, F16M11/205, F16M11/2057, F16M11/2064, F16M11/2071) and their corresponding symbols. Below this, there is a dark grey box with text explaining the launch of the CPC system by the EPO and USPTO, and a light grey box with a 'News' section dated 1 August 2020, mentioning the 2020.03 version and the 2020.08 version.

- 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)

# **CPC upcoming changes and future developments**

# 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**  
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CPC Scheme and Definitions  
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Links  
FAQ  
Archive  
Contact Us  
Sitemap

F16M11/2021 ... [around a vertical axis] (...)  
F16M11/2028 ... [around a horizontal axis] (...)  
F16M11/2035 ... [for rolling, i.e. for creating a landscape garden rotation]  
F16M11/2042 ... [in more than one direction]  
F16M11/205 ... [constituted of several dependent joints]  
F16M11/2057 ... [the axis of rotation intersecting to a single point e.g. gears]  
F16M11/2064 ... [for tilting and rolling]  
F16M11/2067 ... [for tilting and panning]  
F16M11/2071 ... [for panning and rolling]  
F16M11/2078 ... [with ball-joint] (...)

News  
20 September 2019  
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)  
• 1 August (CPC 2020.08)

- § 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  
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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

F16M11/205

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

## 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).

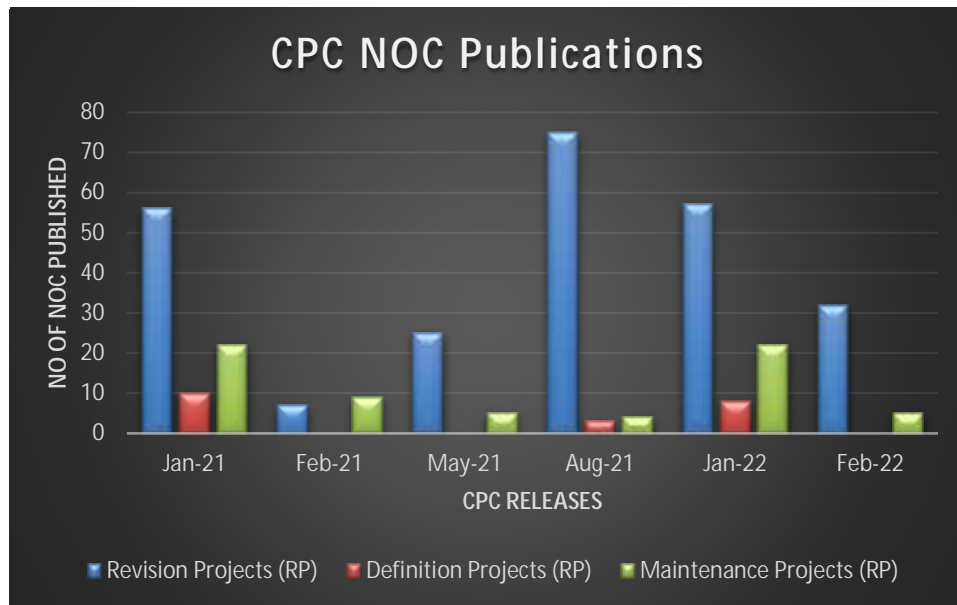
### 5 January 2021: 2021.02 pre-released material:

- 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 \(C09.I\)](#)

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.

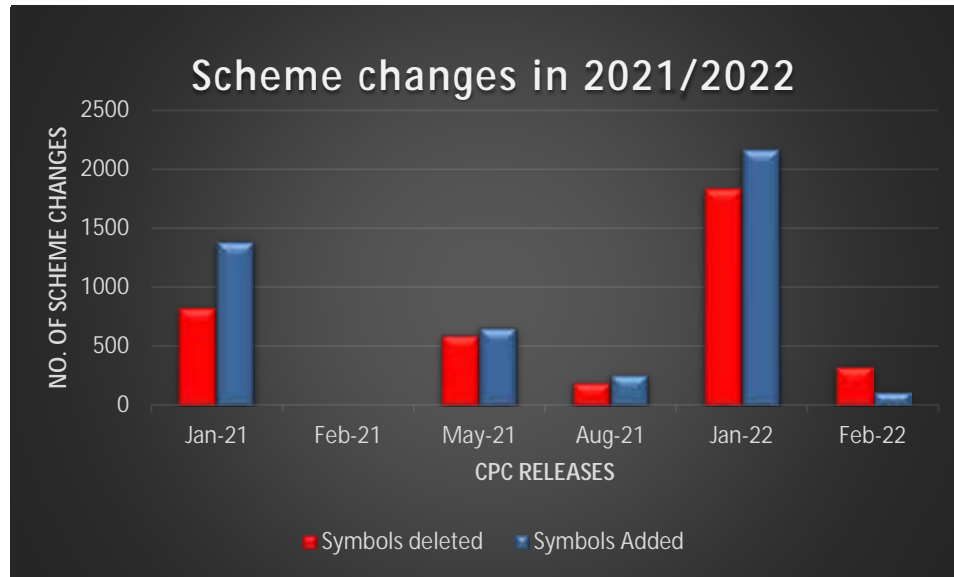
Search: Enter search term





# Scheme Changes in 2021/2022:

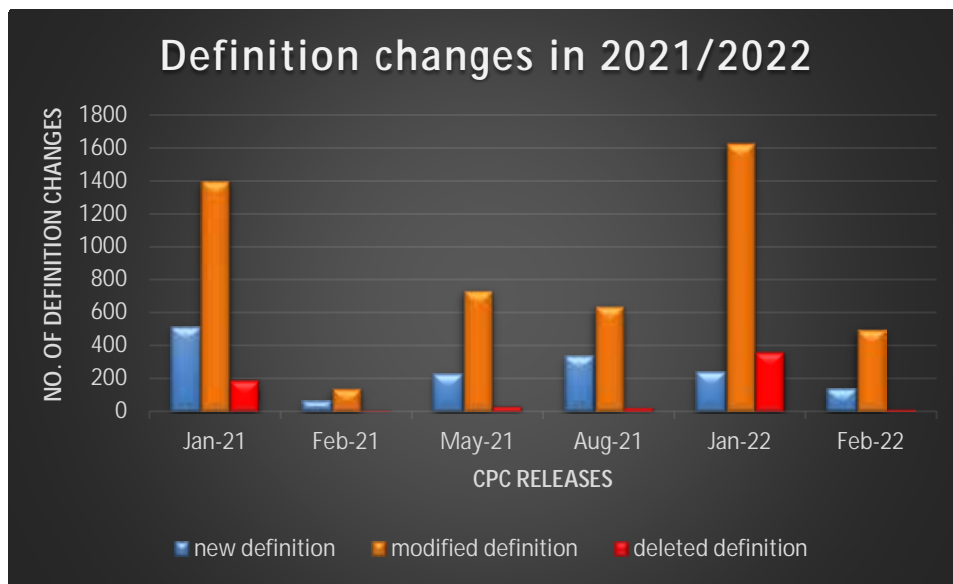
- Number of created new symbols
- Number of deleted symbols





# Definition Changes in 2021/2022:

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

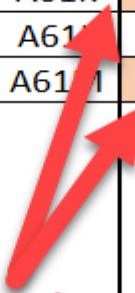


# Combination Sets (C-Sets)

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>

# New CPC project numbering as of CPC 2022.05

- From 2013 to 2021.02, projects used a set of parallel numbering, e.g. RP0001, RP0002, MP0001, MP0002, DP0001, DP0002.
- As a result of system upgrades, as of the CPC **2022.05** release the **numbering system of CPC projects** will be changed from *parallel* numbering to *serial* numbering. Furthermore, an extra digit will be added.
- The **new numbering** will be a single set of serial numbers with an extra leading digit, e.g. RP10001, DP10002, MP10003, MP10004, DP10005, RP10006 so that each project gets a unique number to eliminate any risk of confusion between projects of different types.

# USPTO News

# **Update: Collaborative Environment (CE)**

# Background

- Goal: Increase the quality and efficiency of Classification revision by enhancing work-sharing and information exchange between Intellectual Property (IP) Offices for revision projects
- Suite of bilateral collaboration tools, commonly referred to as the CPC Collaborative Environment (CPC-CE or CE), that replaced CPC e-Forum (CEF)

# Current State

- Minimum Viable Product (MVP) launched bilaterally between the USPTO and the European Patent Office on 1 January 2022
- CEF decommissioned on 31 December 2021 by migrating all active projects to CE
- No access for other IP Offices

# Next Steps

- **Increase bilateral tool performance and capabilities**
  - Platform stability
  - Complete Workflow Management System (WMS) functionality
  - Project Management Dashboards
  - Expand Advanced Editor functionalities to include enhanced Quality Validation and Direct Data Feed to Scheme Publication
- **Phased expansion of CE to other IP Offices**
  - Static data feeds on project status and timelines
  - Read capability of certain aspects of the CE WMS
  - Ability to provide input on current, as well as future, projects within CE



# 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>

(52) Cooperative Patent Classification (CPC):  
**First** → **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):

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

(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

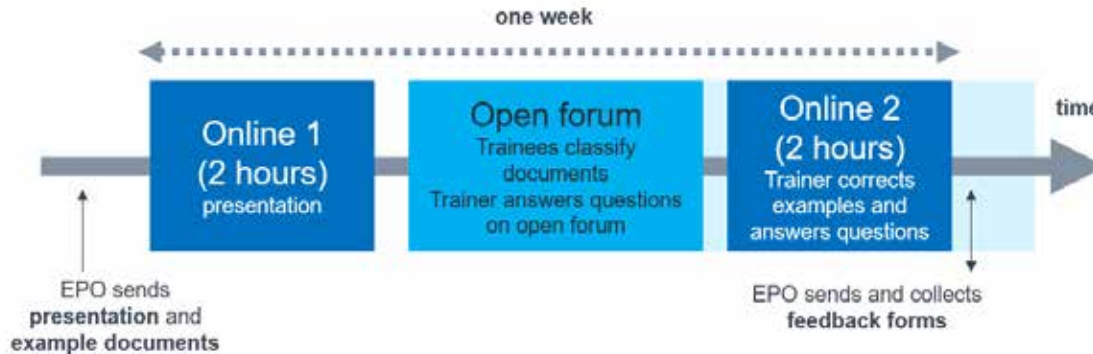
C10M 2203/1025, C10N 2020/02;  
C10M 2205/024, C10M 2205/026;  
C10M 2223/045, C10N 2010/04

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

← Display of C-Sets

# CPC collective training events

## § CPC Training went online!



## § Collective Training Events in 2021

H01M, C08G, G05B, G01N1, A61N1, B01L3, G16H, H04N21

# CPC collective training events - 2022

## § Spring sessions (online):

OS09-2022 CPC Collective training Spring session	Virtual Classroom 1	Virtual Classroom 2
B64G	2 May 2022	6 May 2022
B65G	10 May 2022	13 May 2022
A61B5/00-128/145-1495/16-7495	12 May 2022	19 May 2022
A24F	16 May 2022	20 May 2022
H02K	30 May 2022	3 June 2022
H01L33	27 June 2022	1 July 2022

**Registration:**

[OS09-2022 CPC  
collective training,  
spring session](#)

**Deadline 27<sup>th</sup> April 2022**

## § Autumn sessions (online):

- October – December 2022
- Fields to be determined
- Any suggestion? [cpc@epo.org](mailto:cpc@epo.org)

# External Classification Portal (ECP)

## Providing services to CPC users



**Demo !**

- **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)



# External Classification Portal: next steps

## § **More services** in the portal:

- Quality Monitoring Service
- AI-based CPC text categoriser
- CPC coverage reports
- IPC reclassification service
- ...

- **More CPC offices** to access the portal

**Cooperative  
Patent  
Classification**

European Patent Office  
United States Patent and Trademark Office



F16M11/2028	.....{around a horizontal axis} (—)
F16M11/2035	.....{for rolling, i.e. for creating a landscape-portal rotation}
F16M11/2042	.....{constituted of several dependent joints}
F16M11/205	.....{the axis of rotation intersecting in a single point e.g. umbels}

# 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)