

12th CPC ANNUAL MEETING WITH OFFICES CLASSIFYING IN THE CPC

24 February 2025, Geneva

F16M11/2042

•••• {constituted of several dependent joints}

F16M11/205

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

TOPICS

The CPC community

CPC data coverage

A dynamic CPC scheme

CPC harmonisation and training

CPC products

Why use CPC?

THE CPC COMMUNITY

From a bilateral system to a global
international classification standard



FROM 2 TO 38 CPC OFFICES: A GROWING CPC COMMUNITY

There are now 38 offices in the CPC (including the EPO and USPTO):

AT, AR, AU, BE, BG, BR, CA, CH, CL, CN, CZ, DK, EA, EE, ES, FI, GB, GR, HU, IL, IT, KR, LU, LV, MA, MC, MX, NL, NO, PE, PL, PT, RO, RU, SE and TR

- § **Morocco** and **Bulgaria** joined the CPC in 2021
- § **Peru** joined the CPC in April 2022
- § **Monaco** and **Belgium** joined the CPC in July 2022
- § **Italy** joined the CPC in September 2022
- § **Luxembourg** joined the CPC in December 2022
- § **Latvia** joined the CPC in February 2023

23 EPO member states and 1 validation state in the CPC

23 EPO member states (besides the EPO):

AT, BE, BG, CH, CZ, DK, EE, ES, FI, GB, GR, HU, IT,
LU, LV, MC, NL, NO, PL, PT, RO, SE and TR

1 validation state: MA (Morocco)

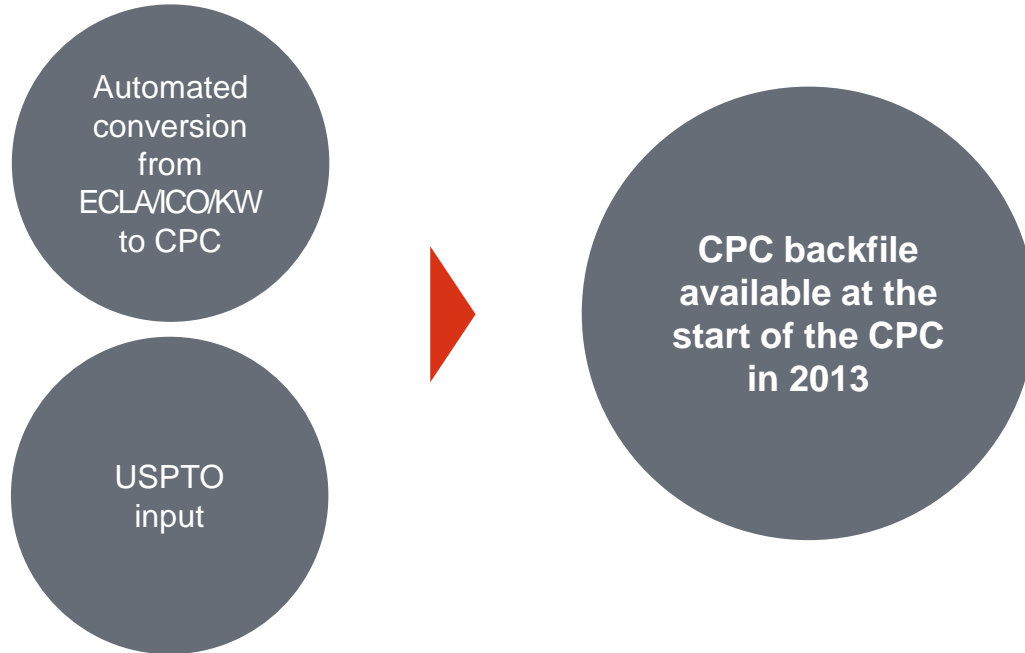


CPC COVERAGE

Increase the CPC coverage of our search collection and share it with the world



CPC BACKFILE



CPC COVERAGE OF SYSTEMATICALLY CLASSIFIED COLLECTION

(2 February 2025)

Country	Country Code	Total number of applications	Total number of applications classified in the CPC	% of applications classified in the CPC
EPO	EP	4.490.500	4.488.685	100,0%
United States	US-A + US-B Docs	15.030.283	15.024.322	100,0%
Austria	AT	1.016.332	744.334	73,2%
Belgium	BE	596.686	564.361	94,6%
Switzerland	CH	724.774	588.618	81,2%
Germany	DE	6.069.881	5.434.659	89,5%
France	FR	2.531.672	2.514.157	99,3%
United Kingdom	GB	2.464.990	2.216.672	89,9%
Luxembourg	LU	71.983	70.993	98,6%
The Netherlands	NL	566.046	553.595	97,8%
ARIPO	AP	5.537	4.300	77,7%
Australia	AU	1.685.480	1.373.734	81,5%
Canada	CA	2.702.419	1.559.491	57,7%
OAPI	OA	13.435	13.236	98,5%
WIPO	WO	5.045.635	5.035.959	99,8%
	TOTAL	43.015.653	40.187.116	

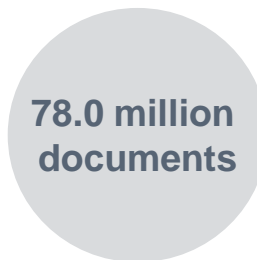
CPC DATA SENT BY 23 CPC OFFICES (2 February 2025)

Country	Country Code	Number of applications classified in the CPC	Number of applications classified in the CPC by national office
Australia	AU	1.685.480	24.791
Austria	AT	1.016.332	19.568
Bulgaria	BG	54.142	495
Brazil	BR	862.371	47.607
China	CN	41.798.611	12.012.521
Czech Republic	CZ	102.723	9.327
Denmark	DK	465.716	4.248
EAPO	EA	62.668	9.399
Finland	FI	210.579	18.860
Greece	GR	107.889	8.827
Hungary	HU	161.718	2.947
Israel	IL	174.914	57.945
Korea	KR	5.315.121	4.461.365
Mexico	MX	397.079	1.647
Norway	NO	215.331	15.977
Poland	PL	453.498	7.636
Portugal	PT	152.532	2.067
Romania	RO	78.388	1.412
Russian Fed.	RU	1.178.088	218.860
Spain	ES	1.590.672	45.061
Sweden	SE	529.468	159.916
Switzerland	CH	724.774	9.471
United Kingdom	GB	2.464.990	218.179
TOTAL		59.295.444	17.357.631

New: Bulgaria is now exchanging CPC data!

EPO core collection

- + CPC data from other offices
- + Family propagation
- + 2.7 Million NPL documents



78.0 million documents are now classified in the CPC (2 February 2025)

A DYNAMIC CPC SCHEME

Keeping CPC updated with
on-going technological developments



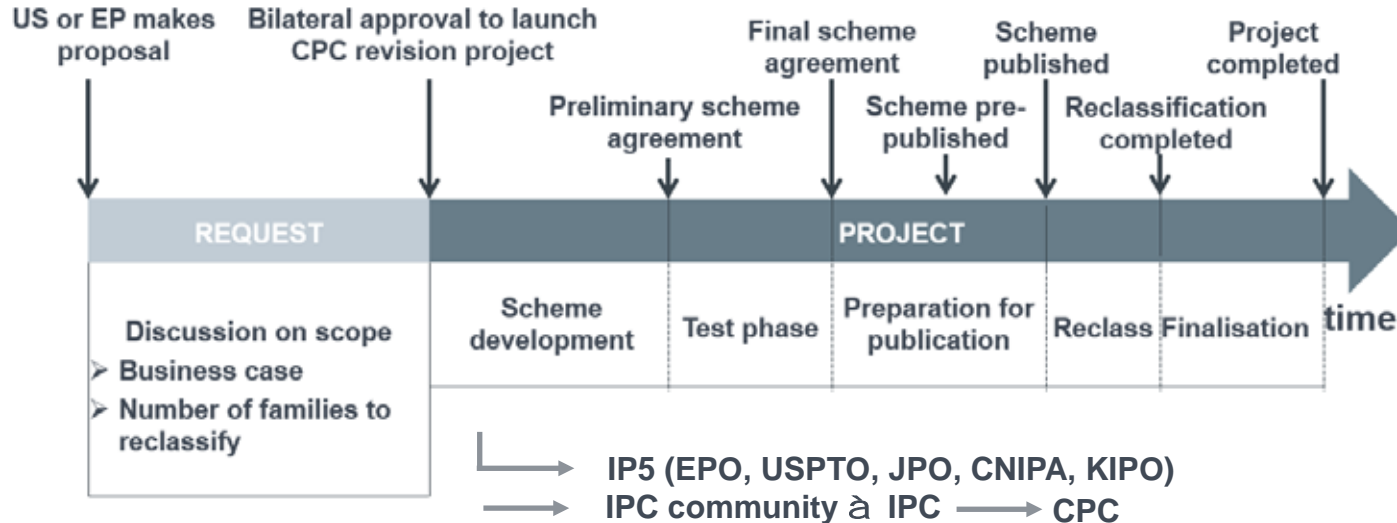
CPC KEPT BEING UPDATED: CPC REVISIONS

§ **Adaptations** of the CPC scheme are **triggered** by:

§ EPO / USPTO / patent offices' examiners

§ Classification departments

§ **CPC bilateral revision process:**



CPC RELEASE SCHEDULE

- § Three to four releases per year
- § Announced under "Latest News" section on www.cpcinfo.org

§ Three CPC releases in 2025*:

- **1 January 2025 CPC 2025.01**
- 1 May 2025 CPC 2025.05
- 1 August 2025 CPC 2025.08



A screenshot of a news article from EPO and USPTO. The article is titled "News" and dated "1 January 2025". The text states: "The 2025.01 version of the CPC scheme is now in force." and "Announced, the 2025.01 version of the CPC scheme which was pre-announced on 3 December 2024 is now in force."

* No February CPC release needed as **all IPC scheme changes were included** in the January 2025 CPC release J

CPC REVISIONS – PRE-RELEASE AREA

Cooperative
Patent
Classification
Published Patent Office
British Patent Office and Trademark Office

 Search

Home Latest news About Objectives CPC Scheme and Definitions * CPC Revisions * CPC Concordances CPC Training Events Publications *

F16M11/2028	•••• {for rolling,	Notice of Changes
F16M11/2035	••• {in more than	Ongoing CPC Projects
F16M11/2042	•••• {constituted of several dependent joints}	Pre-release
F16M11/205	••••• {the axis of rotation intersecting in a single point e.g. gimbal}	
F16M11/2057	•••• {for tilting and rolling}	
F16M11/2064	•••• {for tilting and panning}	
F16M11/2071	•••• {for panning and rolling}	

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 January 2025

The 2025.01 version of the CPC scheme is now in force.

As announced, the 2025.01 version of the CPC scheme which was ~~introduced~~ introduced on 1 December 2024 is now in force.

CPC REVISIONS – PRE-RELEASE PAGE

F16M11/2064 •••• {for tilting and panning}
F16M11/2071 •••• {for panning and rolling}

CPC Revisions

Pre-release

Notice of Changes

Ongoing CPC Projects

Pre-release

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).

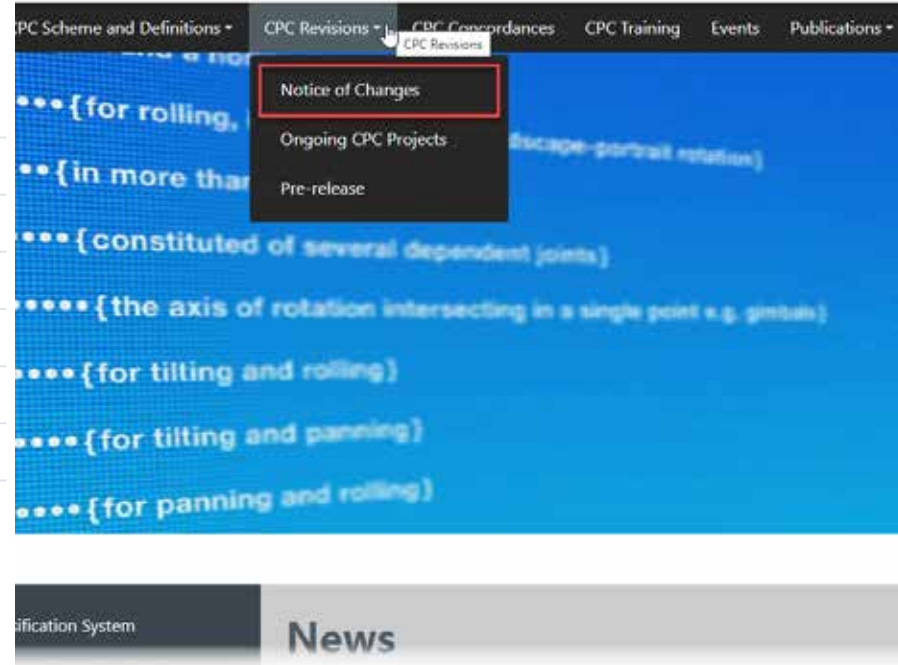
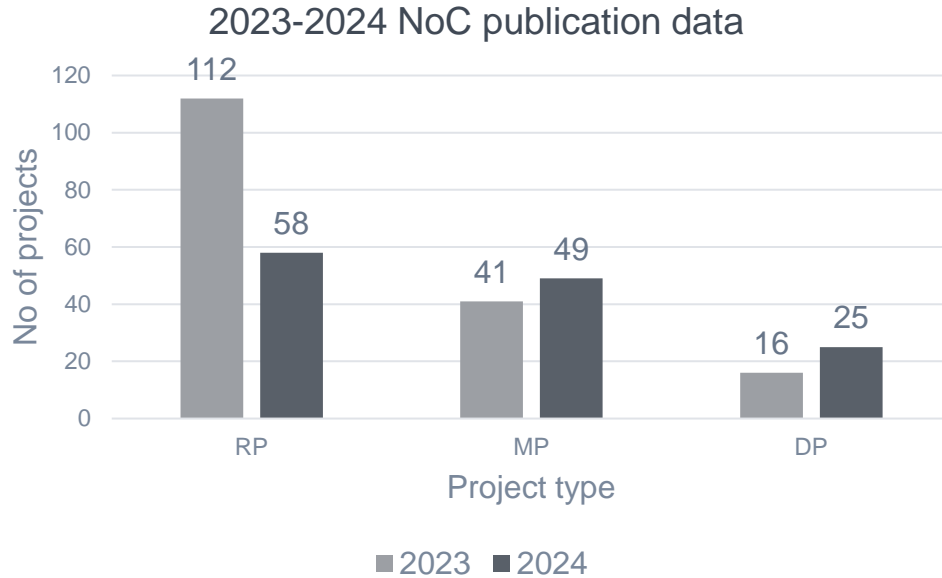
2 July 2024: 2024.08 pre-released material:

- 2024.08 CPC Scheme in [PDF](#) and in [XML](#)
- 2024.08 CPC to IPC concordance in [PDF](#), [XML](#) and [TXT](#)
- Notices of Changes related to the "2024.08 CPC Scheme":

- [CPC Notice of Changes 1625-MP12106 \(various\)](#)
- [CPC Notice of Changes 1626-MP12111 \(various\)](#)
- [CPC Notice of Changes 1628-MP11960 \(C09J\)](#)
- [CPC Notice of Changes 1630-DP11522 \(B60C\)](#)

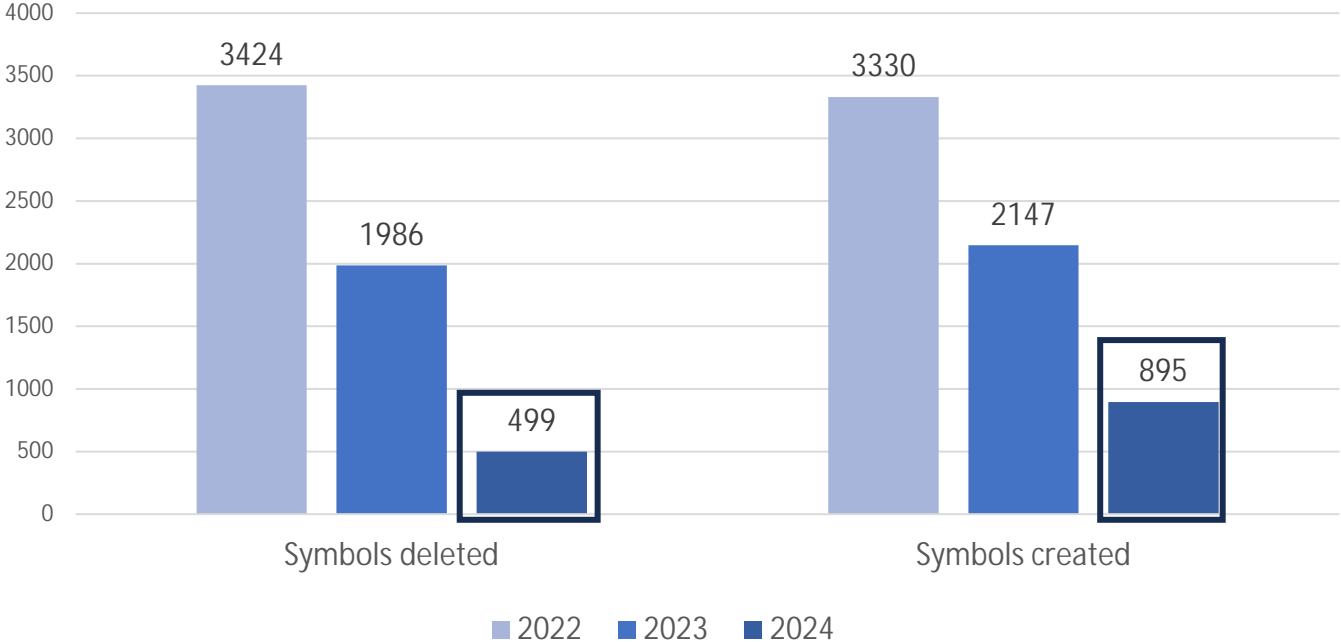
CPC NOTICE OF CHANGES (NOC) - 2024

Year	RP	MP	DP
2024	58	49	25

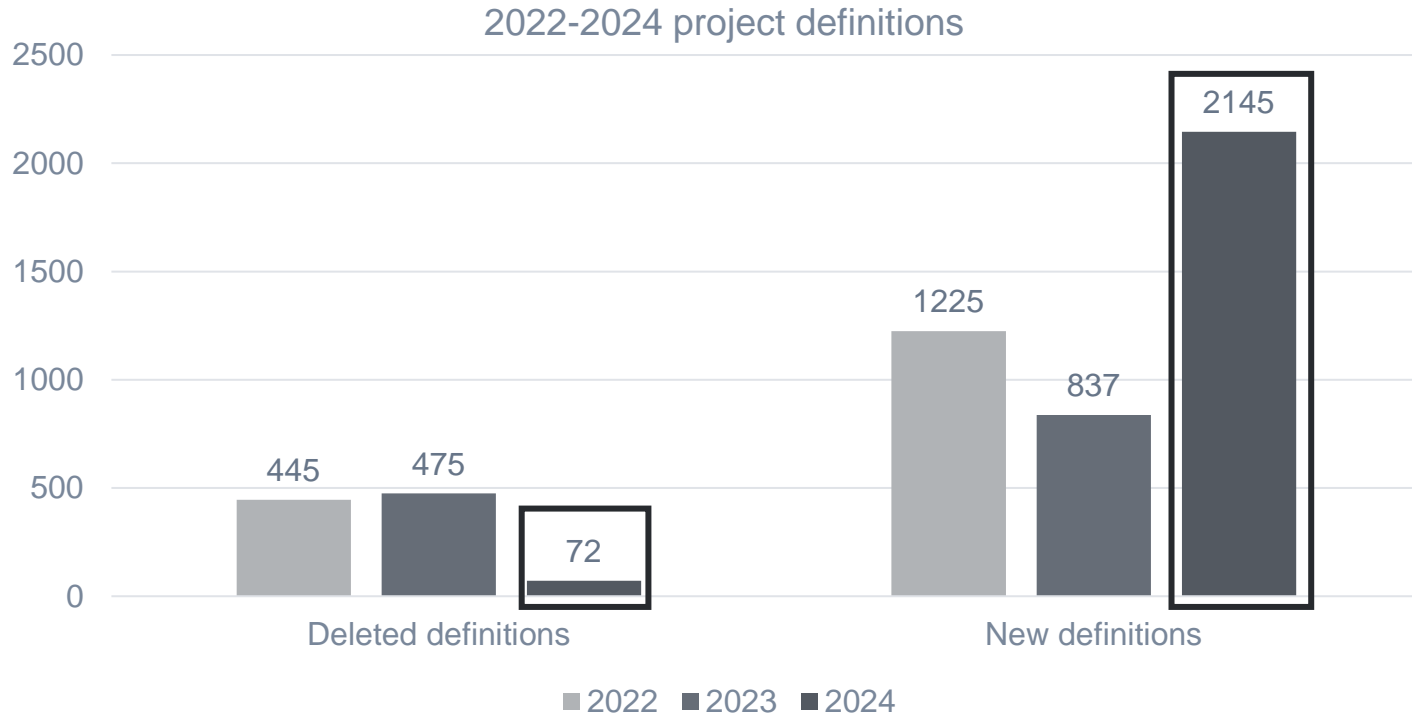


TOTAL SCHEME CHANGES 2022-2024

2022-2024 scheme changes



TOTAL DEFINITION CHANGES 2022-2024



RECLASSIFICATION EFFORTS AT THE USPTO AND THE EPO

- § After CPC revisions, **group inventories need to be reclassified**
- § This reclassification work is carried out by the **EPO, USPTO** and **other CPC offices**
- § EPO's and USPTO's goal is to reclassify documents **within a year** of the corresponding CPC release
- § The EPO and USPTO work to reclassify as many families as possible to **minimise the reclassification workload of other offices**

CPC HARMONISATION AND TRAINING



TRAINING MATERIAL ON THE CPC WEBSITE

CPC Scheme and Definitions

E-learning 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)

General and specific training on Combination sets

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



CPC Training

The EPC and the USPTO have jointly prepared CPC training material to support users.

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 [step 100](#) you can access the EPC learning platform (registration required). The lectures where CPC experts explain the classification practice in their respective fields.

This Script is copyrighted material and remains the intellectual work and property of its training exclusively, without ensuring that it is free from any errors or omissions, no is incidental, punitive, exemplary or consequential damage(s), losses of data, profits or in Script are the liability of the user, even if the EPC is advised of the possibility of such it

[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](#)
- [C08I](#)
- [C08J](#)
- [Amendments Under Article 84\(2\) EPC](#)
- [Combination Schemes: References C08I, C08J, C09I](#)
- [Various examples](#)

EPO'S CPC COLLECTIVE TRAINING EVENTS FOR CPC OFFICES

CPC Training went online!



Collective Training Events in 2023 (March – June 2023)

A61K33, B25B, C01G, C08F14, F28, G01C, G01P and H01P

Collective Training Events in 2024 (June - July 2024)

C09, C12F, C12Q, E21B, G01V and H01B

Collective Training Events in 2025 (May - June 2025)

Fields to be determined

CPC FIELD –SPECIFIC TRAINING MATERIAL ON THE CPC WEBSITE

CPC Training

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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 C09 and C02](#)
- [C02](#)
- [C09](#)
- [Asphates, Grafts, Viscous Grafts, C02](#)
- [Composition Comprising Adhesives C02, C09, C09](#)
- [Various examples](#)

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

CPC field-specific training: recorded lectures

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

INTRODUCTION

This course consists of various recorded lectures in which expert examiners present their CPC technical fields. The presentations contain examples from most [CPC classification sections](#).

Below 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

Section B

Section C

Section F

Section G

Section H



CPC PRODUCTS

Serving the CPC user community



BULK DATA

Cooperative
Patent
Classification

 Search

Home | Latest news | About | Objectives | CPC Scheme and Definitions | CPC Revisions | CPC Concordances | CPC Training | Events | Publications

F16M11/2028	Table
F16M11/2035	Bulk Data
F16M11/2042	CPC open linked Data
F16M11/205 {constituted of several dependent joints}
F16M11/2057 {the axis of rotation intersecting in a single point e.g. gimbals}
F16M11/2064 {for tilting and rolling}
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EPO and USPTO launched the Cooperative Patent Classification System (CPC) on 1 January 2025.

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News

1 January 2025

The 2025.01 version of the CPC scheme is now in force.

As announced, the 2025.01 version of the CPC scheme which was published on 2 December 2024 is now in force.

CPC Scheme and Definitions Bulk Data

Table
Bulk Data
CPC open linked Data

Bulk Data

CPC XML schemas:

- [For the CPC Scheme](#)
- [For the CPC Definitions](#)

[List of CPC Valid symbols \(2025.01\)](#)

[CPC Validity file \(2025.01\)](#)

[CPC Title List \(2025.01\)](#)

[Revision Concordance List \(2025.01\)](#)

[CPC Compilation of Changes \(2025.01\)](#)

[Complete CPC scheme in XML format \(2025.01\)](#)

[Complete CPC scheme in PDF format \(2025.01\)](#)

[Complete CPC Definitions in XML format \(2025.01\)](#)

[Complete CPC Definitions in PDF format \(2025.01\)](#)

<http://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions/Bulk.html>

CPC AS OPEN LINKED DATA

Cooperative
Patent
Classification
Revised March 2025

Home Latest news About Objectives CPC Scheme and Definitions CPC Revisions CPC Concordances CPC Tables

F16M11/2028
F16M11/2035
F16M11/2042
F16M11/205
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December 2024 is now in force.

CPC Scheme and Definitions CPC open linked Data

Table
Bulk Data
CPC open linked Data

CPC open linked Data

1. Access to the CPC data set

CPC

The linked data representation of the CPC taxonomy is provided as a single file in [N-Triples](#) format compressed using GZIP: [CPC.tgz](#) (HTML, [checksum](#))

2. Information about the CPC data set

CPC scheme as linked open data

The CPC scheme is part of the product Linked open SP data which can be accessed here: [Open Linked data](#) creates a public web of interlinked data that can be queried, retrieved and viewed using standardized web technologies like HTTP, URI, RDF and SPARQL.

Linked open data uses Uniform Resource Identifiers (URIs) to identify CPC classification symbols of all levels of the CPC hierarchy, like main groups or sub-groups and even guidance headings. These identifiers allow data in this CPC dataset to be linked to data in another dataset. Given its URI, data about a resource can be retrieved in a variety of formats over the web.

For occasional use a simple data browser, an application programming interface (API) and a query interface are available. For heavier use, bulk data is available for download.

With CPC linked data you can:

- retrieve up-to-date information about the CPC scheme and, e.g. incorporate it in web pages.
- download the data to create your own database.
- easily combine CPC scheme data with other patent or non-patent information.
- freely reuse the data on the basis of an open data license.

More information, e.g. user documentation and conditions can be found on [epo.org/linked-data](#).



CPC PRODUCTS (1/4)

CPC product	How to access it?
CPC scheme browser	CPC browser in Espacenet (https://worldwide.espacenet.com/patent/cpc-browser) or on USPTO's website: https://www.uspto.gov/web/patents/classification/cpc/html/cpc.html
CPC scheme and Definitions (PDF)	CPC browsers or Table on CPC website www.cpcinfo.org à CPC Scheme and Definitions à Table https://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions/table
CPC scheme and Definitions (XML)	Bulk data section of CPC website www.cpcinfo.org à CPC Scheme and Definitions à Bulk data https://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions/bulk
CPC in DocDB XML product	https://data.epo.org/data

CPC PRODUCTS (2/4)

CPC product	How to access it?
List of valid symbols and CPC validity file	Bulk data section of CPC website www.cpcinfo.org à CPC Scheme and Definitions à Bulk data https://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions/bulk
List of active revision projects	CPC revisions section of the CPC website www.cpcinfo.org à CPC revisions à On-going CPC projects https://www.cooperativepatentclassification.org/CPCRevisions/Projects
Notices of Changes (NoCs), NoC archive and Notices of Editorial Corrections	CPC revisions section of the CPC website cpcinfo.org à CPC revisions à Notice of Changes https://www.cooperativepatentclassification.org/CPCRevisions/NoticeOfChanges
Compilation of changes	CPC revisions section of the CPC website cpcinfo.org à CPC revisions à Notice of Changes https://www.cooperativepatentclassification.org/CPCRevisions/NoticeOfChanges

CPC PRODUCTS (3/4)

CPC product	How to access it?
CPC-to-IPC Concordance List (CICL) in txt and XML format	CPC concordances section of CPC website www.cpcinfo.org à CPC Concordances https://www.cooperativepatentclassification.org/cpcConcordances
CPC titles with hierarchy (txt)	Bulk data section of CPC website www.cpcinfo.org à CPC Scheme and Definitions à Bulk data https://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions/bulk
List of areas where 2000 series are used	Publications section of CPC website www.cpcinfo.org à Publications à Miscellaneous https://www.cooperativepatentclassification.org/publications/Miscellaneous
List of areas where C-Sets are used	Publications section of CPC website www.cpcinfo.org à Publications à Miscellaneous https://www.cooperativepatentclassification.org/publications/Miscellaneous

CPC PRODUCTS (4/4)

CPC product	How to access it?
CPC as open linked data	https://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions/CPCOpenLinkedData
§ OPS RESTFUL platform:	
§ CPC retrieval	
§ CPC media retrieval	
§ CPC symbol search	http://ops.epo.org
§ Concordance mapping service	
§ Validation service	
§ CPC definition retrieval	
§ CPC text categoriser	https://epn.epo.org/cpc-text-categoriser

WHY USE CPC?



WHY USE THE COOPERATIVE PATENT CLASSIFICATION (CPC)?

Using CPC for searching improves **search efficiency and precision**

§ 260.000 symbols in CPC vs. 75.000 in IPC è **focused search results**, reducing the number of documents to be analysed intellectually

Using CPC for searching improves **search quality**

§ Classification searches allow **searching for technical concepts, not only words**

§ A classification search is a **language-independent** search: it facilitates the retrieval of documents independently from the language (e.g. Asian languages)

§ **Less dependent on the words / expressions used by applicants**, who sometimes use unusual terms (e.g. *"a device for opening and closing an opening"* versus *"a valve"*)

Artificial Intelligence is supporting the classification process

§ AI models trained with data sets curated by EPO examiners

§ Used for file routing and to suggest CPC symbols to the examiner who needs to decide

Thank you for your attention!

More info?

www.cpcinfo.org

cpc@uspto.gov

cpc@epo.org

USPTO UPDATES



NATIONAL OFFICE TRAINING

April 2024 INAPI Chile training visit

- § Four day in-person training at INAPI Chile
- § General CPC training
- § Customized field-specific training in 12 subclasses
- § CPC workshops



CLASSIFICATION CAFÉ OVERVIEW

- § One-hour webinar series presented virtually on USPTO's Stakeholders Offerings and Resources (SOaR) platform
- § To establish and build upon base and/or expert level knowledge of the IPC and CPC schemes
- § Expert level technical classification training on specific topics of interest
- § Focuses on foundational core classification skills
 - § Search
 - § Retrieval



EXAMPLE CLASSIFICATION CAFÉ AGENDA

- § CPC overview
- § Overview of specific technology
- § Relevant CPC areas
- § At least two examples
 - § Incorporates search strategy
- § Questions



CLASSIFICATION CAFÉ SCHEDULE

- § Previous topics presented in 2024
 - § July: Unmanned aerial vehicles (UAV)
 - § August: Blockchain
 - § October: Artificial Intelligence
 - § December: Cross-cutting technologies
- § Upcoming topics for 2025
 - § Internet of Things (IoT)
 - § Combination sets (C-sets)



CLASSIFICATION CAFÉ REGISTRATION

§ Only name and e-mail required to register

§ No cost to register

§ www.uspto.gov/patents/training/soar-training-events



Stakeholder Offerings and Resources (SOaR) training events

Would you like to learn about the patent application process, the United States Patent and Trademark Office's (USPTO) user-friendly patent tools, or recent examination practices and procedure guidance in an interactive online environment? The USPTO Stakeholder Offerings and courses listed, please check this page later for updates.

Upcoming events

FEB 5, 2025 - VIRTUAL

[Busque como un examinador](#)

AVAILABLE SERVICES FOR NATIONAL OFFICES

- § Technical expert training tailored for individual office needs (virtual or in-person)
 - § General training, Field Specific Training (FST), C-sets training, Computer Based Training (CBT) e-learning modules
- § Classification café topics can be offered upon request
- § Customized classification training for external stakeholders
- § Contact us with requests at cpc@uspto.gov

Thank you for your attention!

More info?

www.cpcinfo.org

cpc@uspto.gov

cpc@epo.org

ANNEX



ACRONYMS

§ CPC: Cooperative Patent Classification

§ IPC: International Patent Classification

§ USPTO: United States Patent and Trademark Office; EPO: European Patent Office; KIPO: Korean Intellectual Property Office; CNIPA: China National Intellectual Property Administration; JPO: Japan Patent Office

§ Country codes: Austria (AT), Argentina (AR), Australia (AU), Belgium (BE), Bulgaria (BG), Brazil (BR), Canada (CA), Switzerland (CH), Chile (CL), China (CN), Czech Republic (CZ), Denmark (DK), Eurasian Patent Organization (EA), Estonia (EE), Spain (ES), Finland (FI), United Kingdom (GB), Greece (GR), Hungary (HU), Israel (IL), Italy (IT), South Korea (KR), Luxembourg (LU), Latvia (LV), Morocco (MA), Monaco (MC), Mexico (MX), Netherlands (NL), Norway (NO), Peru (PE), Poland (PL), Portugal (PT), Romania (RO), Russia (RU), Sweden (SE) and Turkey (TR)

§ ECLA: European Classification System

§ ICO: In Computer Only

§ KW: Keyword