

# EPO-USPTO CPC Annual Meeting with Industry Users

Nelson das Neves – José Alconchel - Dimple Bodawala      Vienna, 22 March 2019

F16M11/2042

•••• {constituted of several dependent joints}

F16M11/205

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

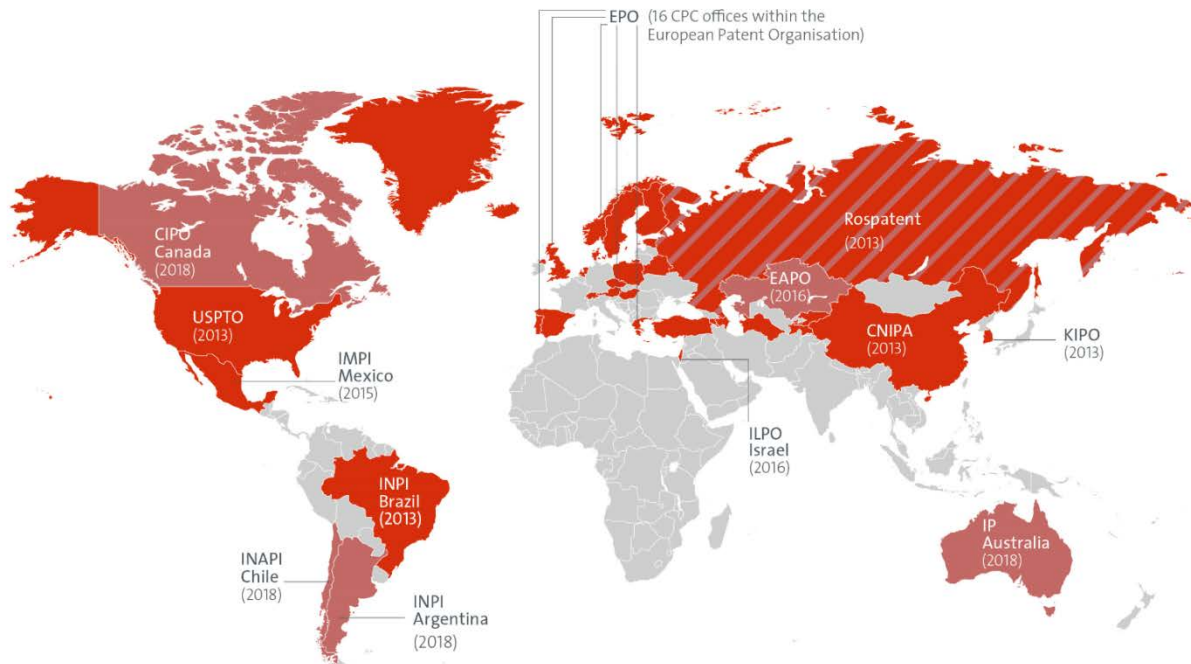
# Agenda:

- CPC and National Offices
  - CPC coverage
  - CPC Update
  - New CPC products
  - CPC International project
-

# **CPC and National Offices**

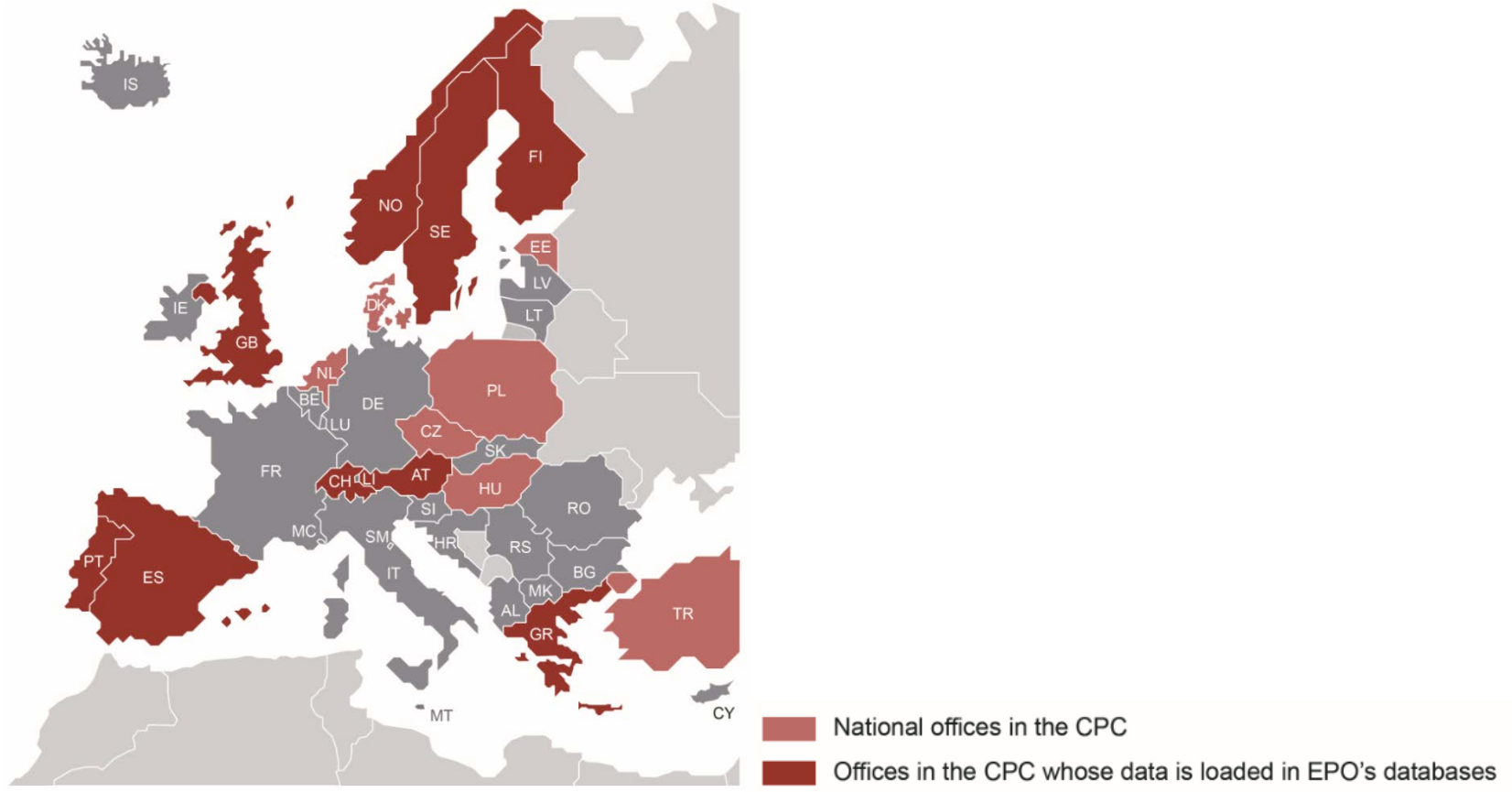


# 29 Offices participating in the CPC



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

# ... including 16 EPO Member States



# **CPC coverage**

**Much more than EP & US documents**

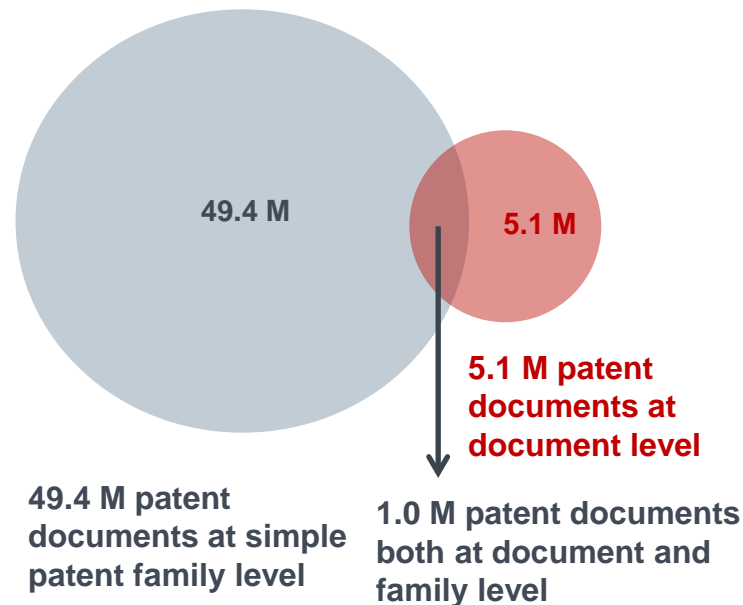
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# Publications with National Office (CPCNO) allocations

Country	Country Code	Number of publications with CPCNO symbols (Document level) on 21/12/2018
Austria	AT	10.110
Brazil	BR	17.571
China	CN	3.118.677
Finland	FI	8.818
Greece	GR	6.507
Korea	KR	1.548.437
Mexico	MX	1.516
Norway	NO	7.833
Portugal	PT	480
Russian Fed.	RU	97.025
Spain	ES	34.679
Sweden	SE	142.656
Switzerland	CH	1.901
United Kingdom	GB	150.118

**TOTAL** 5.146.328

53.5 M patent documents classified in CPC



Updated 21 December 2018

## **2019 events where CPC will be presented**

- **CPC Annual Meeting with Industry**, 22 March 2019, EPO Vienna
  
  - **Patent Information Users Group (PIUG) 2019 Annual Conference**, 4-9 May 2019, Alexandria, United States
-



# CPC Update

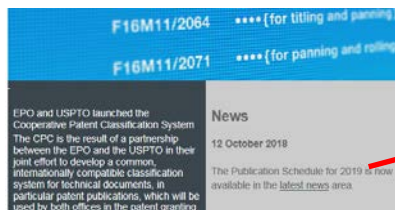
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# CPC Release Schedule

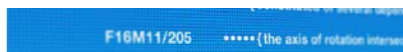
## ■ Four CPC releases in 2018:

- 1 January 2018 - 2018.01
- 1 February 2018 - 2018.02
- 1 May 2018 - 2018.05
- 1 August 2018 - 2018.08

## ■ See “Latest News” section on [www.cpcinfo.org](http://www.cpcinfo.org) for the 2019 Publication Schedule



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### Publication Schedule for 2019

12 October 2018

For the year 2019, the EPO and the USPTO have agreed on the following publication schedule for the 2019 CPC Scheme and corresponding products updates:

- 1 January 2019 (CPC 2019.01)
- 1 February 2019 (CPC 2019.02)
- 1 May 2019 (CPC 2019.05)
- 1 August 2019 (CPC 2019.08)

Continuing with the existing practice, the updated products for each version will usually be pre-released on the first Tuesday of the month preceding the entry into force. The entry into force of each version will be on the first day of the corresponding month.

## Four releases scheduled in 2019:

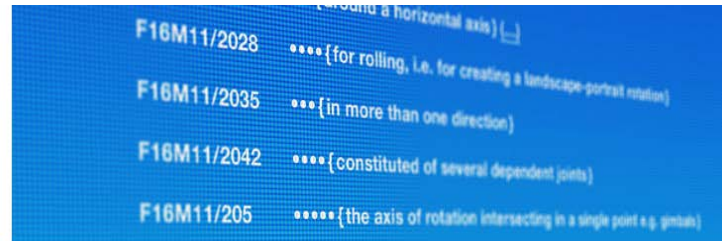
- 1 January 2019 (2019.01)
- **1 February 2019 (2019.02)**
- **1 May 2019 (2019.05)**
- **1 August 2019 (2019.08)**

# CPC Notices of Changes (NoC) Publications:

2018 NOC PUBLICATION	RP	DP	MP	TOTAL
JANUARY	23	6	19	48
FEBRUARY	10	2	6	18
MAY	9	1	10	20
AUGUST	24	2	13	39
2019 NOC PUBLICATION	RP	DP	MP	TOTAL
JANUARY	39	8	32	79
FEBRUARY	14	0	3	17
<b>TOTAL</b>	<b>53</b>	<b>8</b>	<b>35</b>	<b>96</b>

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## 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 2018/2019:

- Number of created new symbols
- Number of deleted symbols

CPC VERSION	TOTAL NO. SYMBOLS	SYMBOLS DELETED	SYMBOLS ADDED
2018.01	260,674	409	1,243
2018.02	260,741	253	320
2018.05	260,846	437	542
2018.08	260,812	375	341
<b>TOTAL</b>	1,043,073	1,474	2,446

CPC VERSION	TOTAL NO. SYMBOLS	SYMBOLS DELETED	SYMBOLS ADDED
2019.01	260,864	531	583
2019.02	260,890	631	657
<b>TOTAL</b>	521,754	1162	1240

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# Definitions Changes in 2018/2019:

- Number of published definitions
- Number of deleted definitions
- Number of modified definitions

CPC VERSION	TOTAL NO. DEFINITIONS	DEFINITIONS DELETED	DEFINITIONS ADDED	DEFINITIONS MODIFIED
2018.01	42,811	36	77	302
2018.02	42,873	77	139	180
2018.05	42,976	9	112	308
2018.08	43,136	5	165	243
TOTAL	171,796	127	493	1033

CPC VERSION	TOTAL NO. DEFINITIONS	DEFINITIONS DELETED	DEFINITIONS ADDED	DEFINITIONS MODIFIED
2019.01	43,110	344	318	939
2019.02	43,181	228	299	661
TOTAL	86,291	572	617	1600

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## Combination Sets (C-Sets)

- The **authorized areas** for classification with C-Sets have been published and an extra table concerning the use of C-Sets only for search in the area of polymers has been added.
  - **Projects to harmonize detailed definitions** for the use of C-Sets in the area of polymers, C08K, C08L, C09D, C09J have been launched.
  - **Projects to clean wrong information** on C-Sets in the non-authorized areas are on-going.
-

# Combination Sets (C-Sets)

Updated list of subclasses where combination Sets are authorised **published**:

CPC Sections	A	B	C	D	E	F	G	H
CPC Subclasses:	A01N	B01D	C04B	D07B	None		G01N	H01L
	A23G	B01J	C05B				G02B	
	A23V	B05D	C05D					
	A61K	B22F	C05F					
	A61L	B29C	C05G					
	A61M	B32B	C07C					
		B65H	C08F					
			C08G					
			C08K					
			C08L					
			C09D					
			C09J					
			C10M					
			C12N					
		C12Q						

# CPC Annual Report 2017/2018

Coming soon

## Cooperative Patent Classification

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## Publications

In this section, information material is available for download.

Search



<http://www.cooperativepatentclassification.org/publications/AnnualReports>



# **New CPC products**



# Searchable NoC archive

New!

## Cooperative Patent Classification

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### CPC Revisions

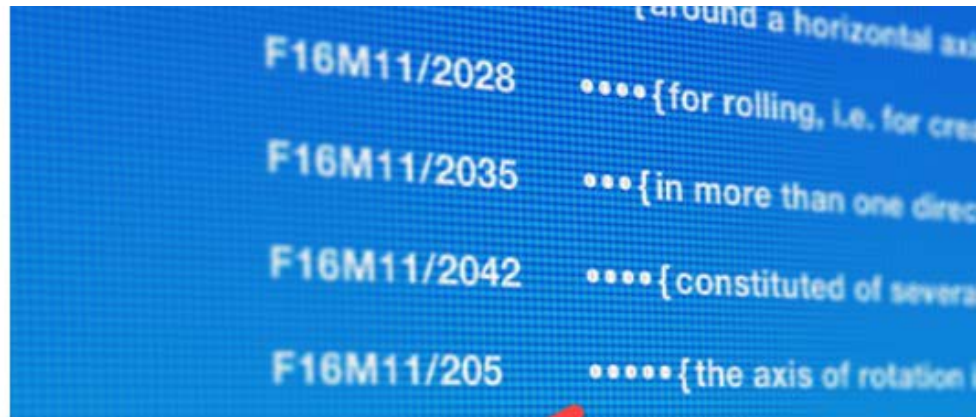
#### Notice of Changes

[Projects](#)

[Pre-release](#)

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## Notice of Changes

[Searchable NoC Archive](#)

### CPC 2019.02:

- [CPC Notice of Changes 394-MP0314 \(various\)](#)
- [CPC Notice of Changes 525-MP0393 \(G06F\)](#)
- [CPC Notice of Changes 638-RP0586 \(F02M\)](#)
- [CPC Notice of Changes 639-RP0542 \(various\)](#)

# Searchable NoC archive

Latest Publication: 2019.02

Publication Date ▾	Project Number ⇅	NoC # ▾	Scope ⇅
2019.02	<a href="#">RP0126-F</a>	653	B64C
2019.02	<a href="#">RP0568</a>	652	B29C, B01D, B29K
2019.02	<a href="#">RP0572</a>	651	F24F
2019.02	<a href="#">RP0565</a>	650	B60K, B60L, B60S
2019.02	<a href="#">RP0569</a>	649	C12C, C12G, C12H
2019.02	<a href="#">MP0414</a>	648	C12Q
2019.02	<a href="#">RP0573</a>	647	G06F, G16B, G16C, G16Z, G16, C40
2019.02	<a href="#">RP0557</a>	646	H01R, H05K
2019.02	<a href="#">RP0566</a>	645	A41D, A42B, G21F, A62B, A41C

Latest Publication: 2019.02

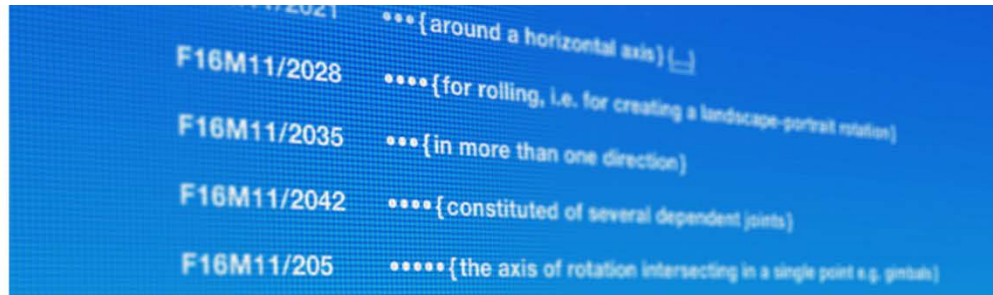
Publication Date ⇅	Project Number ⇅	NoC # ⇅	Scope ▲
2018.02	<a href="#">RP0485</a>	472	A01B, A01D, A01G, C05F, C12N, E01C
2015.01	<a href="#">RP0119</a>	59	A01G
2016.05	<a href="#">MP0189</a>	200	A01G, A01K, B65F
2019.02	<a href="#">RP0578</a>	641	A01G, C12N
2018.05	<a href="#">RP0484</a>	501	A01H
2018.05	<a href="#">MP0353</a>	508	A01K
2018.02	<a href="#">DP0187</a>	457	A01K
2017.01	<a href="#">RP0414</a>	352	A01K
2015.05	<a href="#">RP0020</a>	79	A01K
2018.05	<a href="#">MP0354</a>	509	A01M
2018.01	<a href="#">MP0397</a>	468	A21D
2017.01	<a href="#">RP0412</a>	355	A21D
2016.11	<a href="#">MP0156</a>	286	A21D

# CPC as open linked data

New!

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## 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.nt.gz](#) (45M, [checksum](#))

### 2. Information about the CPC data set

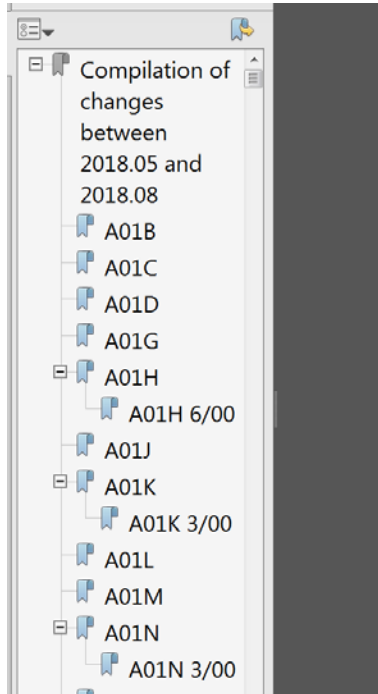
#### CPC scheme as linked open data

The CPC scheme is part of the product Linked open EP 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.

Search





## Compilation of changes to the CPC Scheme between 2018.05 and 2018.08

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### Presentation details

Entries for new symbols and headings

*Black text in italics*

Entries for existing symbols and headings

—text insertions

*Green text in italics with yellow background*

—text deletions

~~Red strikethrough text with grey background~~

Entries for deleted symbols and headings

~~Black strikethrough text~~

- In cases where the originating project could not be found, "N/A" is given for the Project information (e.g. the change could be due to an Editorial Correction).
  - Projects ending in "-F" indicate finalisation after reclassification was completed.
- 

### Project: N/A (A01B)

**A01B**

**SOIL WORKING IN AGRICULTURE OR FORESTRY; PARTS, DETAILS, OR ACCESSORIES OF AGRICULTURAL MACHINES OR IMPLEMENTS, IN GENERAL** (making or covering furrows or holes for sowing, planting, or manuring [A01C 5/00](#); soil working for engineering purposes [E01](#), [E02](#), [E21](#);

# Compilation of changes

Project: [RP0290](#) (F16B)

- C F16B 17/00 Connecting constructional elements or machine parts by a part of or on one member entering a hole in the other *{and involving plastic deformation}* (~~construction of pins, bolts or rivets F16B 19/00; riveting F16B 19/04; means for preventing withdrawal of a pin, spigot or the like from its operative position, stud-and-socket releasable fastenings F16B 21/00~~)
- WARNING*  
*Group F16B 17/00 is impacted by reclassification into groups F16B 9/02, F16B 9/05 - F16B 9/09.*  
*All groups listed in this Warning should be considered in order to perform a complete search.*
- D F16B 17/002 · <administratively transferred to [F16B 17/00](#)>  
{Non-releasable connections, i.e. by means of plastic deformation}
- M F16B 17/004 · - {of rods or tubes mutually}
- E F16B 17/006 · - {of rods or tubes to sheets or plates}
- M F16B 17/008 · - {of sheets or plates mutually} *{joining sheets by riveting without the use of separate rivets F16B 5/045}*
-

# **CPC International**



# Impact of the CPC International project on CPCNO data

CPC data from National Offices are currently stored at **document level**, in the C(PC)NO fields in Epodoc, i.e. CNOI, CNOA and CLC.

After launch of CPC International:

- **Allocations** from National Offices at **simple patent family level**
  - **Office(s) endorsing** allocation visible and searchable
  - **No Raise-Hand flags** – Each Office manages its own allocations
  - Supported by a **new CPCDB infrastructure**
-



# Old situation

**Document level  
(CPCNO)**

**Family level  
(CPC)**

INPI Brazil	BR9910073	H01R 12/71
CNIPA	CN1306684	H01R 13/65
EPO	EP1075714	
UKIPO	GB2353908	H01R 12/73
KIPO	KR20010071195	H01R 13/65
PRV	SE0003892	H01R 13/6581
USPTO	US6206729	



# Future situation

INPI Brazil	BR9910073
CNIPA	CN1306684
EPO	EP1075714
UKIPO	GB2353908
KIPO	KR20010071195
PRV	SE0003892
USPTO	US6206729

Family level  
(CPC)



# Future situation

Family level  
(CPC)

INPI Brazil	BR9910073	<p>H01R 12/71 (EP, BR, US) H01R 13/65 (CN, KR) H01R 13/6581 (EP, SE, US) H01R 12/73 (GB)</p> <p><b>H01R 12/73 (GB)</b></p>
CNIPA	CN1306684	
EPO	EP1075714	
UKIPO	GB2353908	
KIPO	KR20010071195	
PRV	SE0003892	
USPTO	US6206729	

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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. gimbal}

**Thank you for your attention!**

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