



# CPC

## COOPERATIVE PATENT CLASSIFICATION ANNUAL REPORT 2017/2018

UNITED STATES  
PATENT AND TRADEMARK OFFICE



Europäisches  
Patentamt  
European  
Patent Office  
Office européen  
des brevets

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## SECTION 1 - INTRODUCTION

### 1.1 Introductory Words by the Under Secretary of Commerce for Intellectual Property and Director of the USPTO, Andrei Iancu



As the United States Patent and Trademark Office (USPTO) community reflects on the milestone of issuing U.S. utility patent number 10 million, I recognize that it is the ingenuity of today's inventors that continues to create positive change, economic growth, and prosperity. The Cooperative Patent Classification (CPC), the classification system utilized by examiners in the USPTO and European Patent Office (EPO) since January 2013, is a pillar in creating that growth and prosperity through increased classification accuracy of prior art, which enables a more complete search of prior art, ultimately resulting in greater certainty and reliability of granted patents. The USPTO and EPO embarked on this effort together in 2010 in order to make the search process more effective; and in the belief that cooperation between our two offices would facilitate progress in undertaking classification harmonization projects.

As the CPC system grows, it becomes increasingly valuable to more intellectual property (IP) offices around the world. Other countries whose IP offices have recently signed or will sign CPC agreements are Canada, Chile, Australia, and Argentina. I look forward to seeing CPC continue to expand in the coming years. In practical applications, the harmonization of existing classification systems and migration to a common classification scheme enables examiners to find the best art early in examination and rapidly identify patentable inventions. The improvement of the quality and efficiency of examination is a clear benefit to our stakeholders. With more countries and individuals trained in CPC practices we can continue to ensure more consistent, certain and reliable patent rights as more and more documents are classified under a common classification system.

In the past year and a half, the USPTO and EPO jointly worked together to improve the quality of the CPC by reclassifying documents as a result of revisions to CPC schemes and definitions. These revisions are mainly driven by examiner needs in the two offices and technological changes and innovations in the global marketplace. For example, as technologies emerge in the marketplace the USPTO partners with the EPO to ensure we develop common terminology and organization or reorganization of the CPC framework to accommodate these emerging technologies.

On behalf of the USPTO, I look forward to working with our many international partners to continuously enhance the CPC to serve as the foundation for the next 10 million patents and beyond.



## 1.2 Introductory Words by the EPO President, António Campinos



Since I took office as President of the European Patent Office on 1 July, I had the opportunity to meet many patent examiners and their team. Classification or “CPC” was mentioned not only within the context of search tools when talking about the quality and efficiency of their work, but also when referring to our co-operation activities. This only confirmed to me the importance of the Cooperative Patent Classification for the EPO. It is a daily driver for our 4300 examining staff and one of the cornerstones of our quality in the patent granting process.

It is also a system through which our experts have been sharing their know-how with their peers from all over the world. During the two years of activity covered by the present report, the CPC community has grown from 25 to 29 participating offices. The geographical coverage of the CPC

now extends from China or Korea in the East to the United States in the West and from Canada in the North to Argentina or Australia in the South. This is quite remarkable in only 6 years of existence.

The system has also evolved quite a lot, with a few hundred revision projects completed in the past couple of years through which several thousand new symbols were created and others deleted. This only reflects our capacity and necessity to adapt to the technological changes we witness in our patent applications. Together with our USPTO partner we will continue improving the CPC Scheme and Definitions so that they remain a useful tool for all users of patent information.

The following pages provide an overview of how active we have been in the period 2017-2018. You will also get a glimpse of what is coming in 2019. I hope you will find this an interesting read.



**Figure 1.1-1** On 31 January 2019, the United States Patent and Trademark Office (USPTO) hosted a meeting in which the importance of continued bilateral cooperation in CPC was confirmed with the European Patent Office (EPO). Andrei Iancu (right), Under Secretary of Commerce for Intellectual Property and Director of the USPTO and António Campinos (left), President of the EPO discussed various bilateral classification initiatives.

## SECTION 2 – CPC STATISTICS

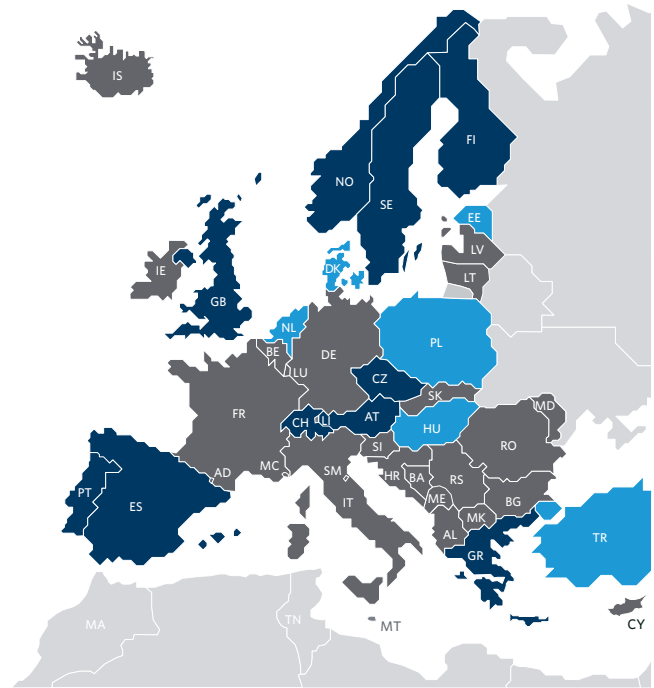
### 2.1 CPC Statistics 2017/2018

The Cooperative Patent Classification (CPC) was implemented more than five years ago and it has grown significantly during this time period. CPC is now used by more than 45 IP offices via EPO's EPOQUE Net system, and by more than 32,000 examiners worldwide. Several major IP offices took important steps in the past years towards its implementation as a refined classification system for their publications (See map below highlighted in red/pink) and there are many more offices who are interested in joining the CPC system (See map below highlighted in green).

Status of CPC with other intellectual property offices (Figs. 2.2.1 and 2.2.2):

- Argentina – signed Memorandum of Understanding (MOU) 2018
- Chile – signed Memorandum of Understanding (MOU) 2018
- Canada – signed Memorandum of Understanding (MOU) 2018
- Australia – signed Memorandum of Understanding (MOU) 2018

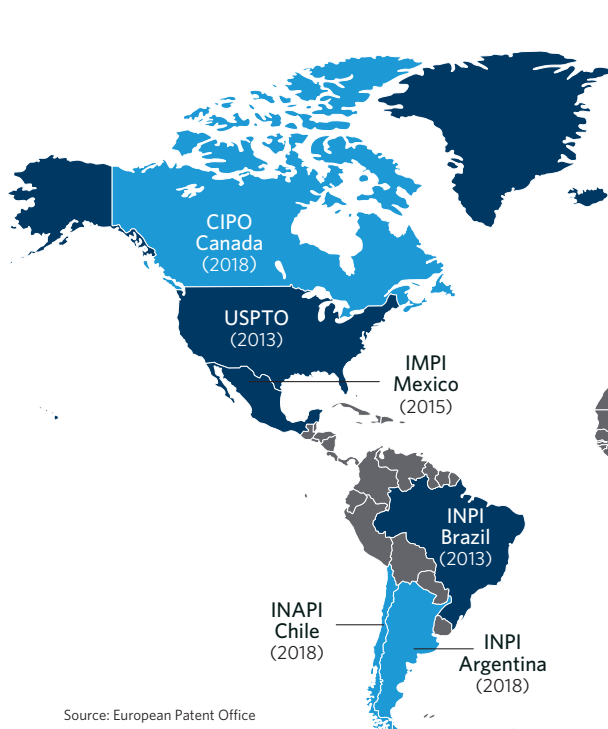
### 2.2 CPC and National Offices



■ Offices in the CPC whose data is loaded in EPO's databases  
■ National offices in the CPC

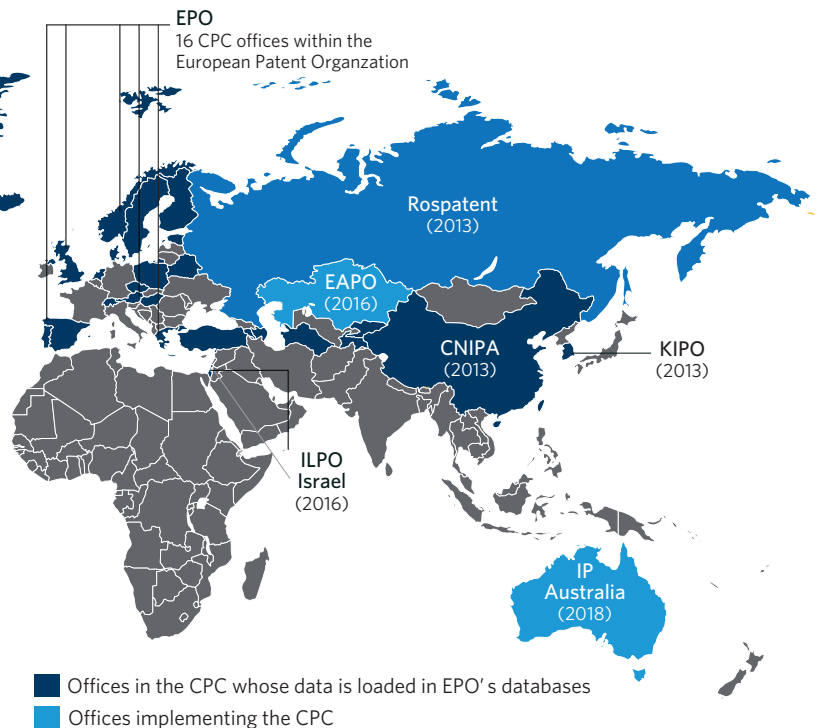
Source: European Patent Office

Figure 2.2-1: CPC Offices in the World



Source: European Patent Office

Figure 2.2-2: CPC Offices within the European Patent Organization



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

## SECTION 3 - CPC DOCUMENT COVERAGE

### 3.1 CPC Document Coverage 2017/2018

This table shows a breakdown of the documents classified in CPC, at document or family level, as of 21 December 2018. Over 53 million documents (including 49 million patent documents) were classified in CPC. Around 99% of all US, EP, WIPO documents are classified in CPC.

Table 3.1-1: Documents classified in CPC at document or family level

COUNTRY	COUNTRY CODE	NUMBER OF DOCUMENTS	NUMBER OF PUBLICATIONS CLASSIFIED IN CPC (FAMILY OR DOCUMENT LEVEL)	% OF PUBLICATIONS CLASSIFIED IN CPC (FAMILY OR DOCUMENT LEVEL)
EPO	EP	3,409,336	3,407,096	99.9%
UNITED STATES	US	12,841,140	12,415,932	99.9%
WIPO (PCT)	WO	3,438,359	3,422,226	99.5%
ARIPO	AP	4,073	3,992	98.0%
AUSTRIA	AT	1,006,752	653,821	64.9%
AUSTRALIA	AU	1,310,168	1,169,848	90.7%
BELGIUM	BE	587,120	553,159	94.2%
BRAZIL	BR	704,217	473,839	67.3%
BULGARIA	BG	50,096	13,955	27.9%
CANADA	CA	2,449,092	1,342,921	54.8%
CHILE	CL	20,796	15,459	74.3%
CHINA	CN	17,286,037	5,473,797	31.7%
CROATIA	HR	22,734	17,950	79.0%
CYPRUS	CY	15,848	14,504	91.5%
CZECH REPUBLIC	CZ	93,504	43,809	46.9%
DENMARK	DK	415,372	278,458	67.0%
EAPO	EA	50,764	45,435	89.5%
ESTONIA	EE	7,018	5,304	75.6%
FRANCE	FR	2,443,601	2,424,117	99.2%
FINLAND	FI	196,312	115,003	58.6%
GCC	GC	419	325	77.6%
GERMAN DEMOCRATIC REPUBLIC	DD	234,074	48,354	20.7%
GERMANY	DE	5,678,483	4,876,569	85.9%
GREECE	GR	100,541	54,019	53.7%
HUNGARY	HU	130,845	85,816	65.6%
ICELAND	IS	7,482	5,321	71.1%
INDIA	IN	81,667	46,270	56.6%

IRELAND	IE	83,701	44,205	52.8%
ISRAEL	IL	105,337	91,212	86.6%
ITALY	IT	620,094	351,470	56.7%
JAPAN	JP	18,179,959	4,848,814	26.7%
KOREA	KR	3,705,485	2,482,712	67.0%
LATVIA	LV	6,135	2,221	36.2%
LUXEMBURG	LU	62,031	60,956	98.3%
LITHUANIA	LT	9,205	6,348	69.0%
MALAYSIA	MY	54,661	49,813	84.9%
MEXICO	MX	301,301	274,745	91.2%
MONACO	MC	2,763	1,831	66.3%
THE NETHERLANDS	NL	548,776	536,419	97.7%
NORWAY	NO	203,973	175,440	86.0%
OAPI	OA	13,280	13,093	98.6%
POLAND	PL	304,779	110,134	36.1%
PORTUGAL	PT	122,274	112,047	91.6%
ROMANIA	RO	73,559	15,613	21.2%
RUSSIAN FED.	RU	1,035,979	315,337	30.4%
SAN MARINO	SM	2,223	1,420	63.9%
SERBIA	RS	11,504	8,627	75.0%
SLOVAKIA	SK	27,660	19,820	71.7%
SLOVENIA	SI	36,953	26,268	71.1%
SOVIET UNION	SU	1,252,946	92,878	7.4%
SPAIN	ES	1,306,064	676,559	58.6%
SWEDEN	SE	521,316	333,501	64.0%
SWITZERLAND	CH	717,899	578,885	80.6%
TURKEY	TR	69,306	31,383	45.3%
UNITED KINGDOM	GB	2,396,871	2,141,007	89.3%

CPC Document Coverage - Updated 21 December 2018



## 3.2 CPC Document Coverage 2017/2018: Additional Countries

Fourteen additional countries are classifying in CPC at the document level. These allocations are made available in separate CPCNO fields in various products such as Epoque (Net), Espacenet ([worldwide.espacenet.com](http://worldwide.espacenet.com)) or the DocDB XML exchange.

The table below shows the listing of IPO countries which are classifying in the CPC as well as the corresponding number of publications classified and made available.

COUNTRY	COUNTRY CODE	NUMBER OF PUBLICATIONS WITH CPCNO SYMBOLS (DOCUMENT LEVEL) FEBRUARY 2018	NUMBER OF PUBLICATIONS WITH CPCNO SYMBOLS (DOCUMENT LEVEL) DECEMBER 2018
BRAZIL	BR	9,842	17,571
CHINA	CN	1,769,923	3,118,677
KOREA	KR	1,096,094	1,548,437
MEXICO	MX	1,516	1,516
RUSSIAN FED.	RU	45,521	97,025
AUSTRIA	AT	8,258	10,110
SPAIN	ES	33,092	34,679
FINLAND	FI	8,001	8,818
UNITED KINGDOM	GB	138,249	150,118
GREECE	GR	5,812	6,507
NORWAY	NO	3,312	7,833
PORTUGAL	PT	297	480
SWEDEN	SE	141,350	142,656
SWITZERLAND	CH	91	1,901

Table 3.2-1 Additional countries classifying in CPC at the document level



Figure 3.1-1: Alexandria Virginia, January 2019. Andrei Iancu (left), under Secretary of Commerce for Intellectual Property and Director of the USPTO and António Campinos (right), President of the EPO looking at a collection of patent models, while touring the National Inventors Hall of Fame Museum.

## SECTION 4 - CPC SCHEME AND DEFINITION CHANGES

### 4.1 CPC Scheme and Definition Changes 2017/2018

USPTO and EPO Examiners collaborate jointly to maintain the CPC scheme and definitions. All changes are agreed to by both the EPO and USPTO resulting in the same understanding of the new scheme in both offices. Revisions are made by both offices on a regular basis allowing for a rapid response to filing trends and emerging technologies. Bilateral scheme changes and developments are agreed to between USPTO and EPO counterparts via collaboration tools and by exchanging comments leading to a common position. Last year, the quality of the CPC scheme and definitions was improved by revising diverse segments of the CPC scheme and definitions covering various technical fields (see for more information the cpcinfo website under: <https://www.cooperativepatentclassification.org/CPCRevisions/NoticeOfChanges.html>)

### 4.2 Combination Sets (C-Sets)

The authorized areas for classification with C-Sets have been revised and an extra table showing areas where C-Sets are only used for search has been added. Projects have been launched to further improve CPC definitions regarding the use of C-Sets in the areas of polymers, C08K, C08L, C09D, and C09J. Projects are also on-going to update the information on C-Sets in non-authorized areas (See Figure 4.2.1).

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							

**Table 4.2-1:** Updated list of C-Set Publication Areas

In the past year and a half, the USPTO and EPO jointly published 95 new revision projects (53 in 2017 and 66 in 2018). When we account for maintenance and definition revision projects, those numbers grow to totals of 99 in 2017 and 127 in 2018. These revisions resulted in the reclassification of more than 115,000 families into CPC. They also resulted in the creation of 1,197 new CPC symbols and the deletion of 1,585 outdated symbols in 2017. In 2018, 2,446 new symbols were added, while 1,474 outdated symbols were deleted. There were four (4) publications in 2017 and four (4) in 2018 relating to scheme and definition changes, which resulted in the creation of 788 definitions, and the modification of 2,352 definitions, with 489 definitions deleted. More details are available below.

## 4.3 Scheme Changes 2017/2018

- Number of created new symbols
- Number of deleted symbols

CPC VERSION	TOTAL NO. SYMBOLS	SYMBOLS DELETED	SYMBOLS ADDED
2017.01	260261	271	304
2017.02	260257	77	73
2017.05	259914	514	171
2017.08	259840	723	649
2018.01	260674	409	1243
2018.02	260741	253	320
2018.05	260846	437	542
2018.08	260812	375	341

Table 4.3-1: Scheme Changes 2017/2018

## 4.4 Definition Changes 2017/2018

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

CPC VERSION	TOTAL NO. DEFINITIONS	DEFINITIONS DELETED	DEFINITIONS ADDED	DEFINITIONS MODIFIED
2017.01	42,803	119	85	168
2017.02	42,806	18	21	242
2017.05	42,724	110	28	329
2017.08	42,770	115	161	580
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

Table 4.4-1: Definition Changes 2017/2018

## 4.5 2017 CPC Notices of Changes (NoC) Publications

2017 NOC PUBLICATION	RP*	DP*	MP*	RP-F/RP-C*	TOTALS
JANUARY	9	1	7	2	19
FEBRUARY	6	—	5	—	11
MAY	15	8	9	—	32
AUGUST	23	—	8	6	37

Table 4.5-1: CPC 2017 Notice of Changes

## 4.6 2018 CPC Notices of Changes (NoC) Publications

2018 NOC PUBLICATION	RP	DP	MP	RP-F	TOTALS
JANUARY	23	6	19	—	48
FEBRUARY	10	2	6	—	18
MAY	9	1	10	—	20
AUGUST	24	2	13	2	41

Table 4.6-1: CPC 2018 Notice of Changes

## 4.7 Combined CPC Notices of Changes (NoC) Publications 2017/2018

COMBINED NOC PUBS	RP		DP		MP		RP-F/RP-C		TOTALS	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
JANUARY	9	23	1	6	7	19	2	0	19	48
FEBRUARY	6	10	0	2	5	6	0	0	11	18
MAY	15	9	8	1	9	10	0	0	32	20
AUGUST	23	24	0	2	8	13	6	2	37	41
TOTAL	53	66	9	11	29	48	8	2	99	127

\* RP: Revision Project (RP-F: NoC for RP Finalization;  
RP-C: Corrected NoC for RP)

DP: Definition Project

MP: Maintenance Project

Table 4.7-1: CPC Combined 2017/2018 Notice of Changes

The publication schedule for 2019 was published on [www.cpcinfo.org](http://www.cpcinfo.org) in October 2018.

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

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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.

Thank you for subscribing to our "RSS feed" to be kept up to date with our latest information.

Search

## SECTION 5 - CPC RECLASSIFICATION

### 5.1 CPC Reclassification 2017/2018

Reclassification work in 2017 and 2018 was completed for 130 revision projects, which resulted in 58,094 families reclassified in CPC.

Table 5.1-1: CPC 2017/2018 Reclassification Projects

PROJECTS	NUMBER OF FAMILIES	PROJECTS	NUMBER OF FAMILIES	PROJECTS	NUMBER OF FAMILIES	PROJECTS	NUMBER OF FAMILIES
RP0335	293	RP0065-F	428	RP0263	452	RP0513	504
RP0400	343	RP0071-F	429	RP0329	453	RP0131	514
RP0405	344	RP0123	432	RP0353	454	RP0375	516
RP0406	345	RP0315-F	434	RP0482	470	RP0514	520
RP0408	346	RP0413	367	RP0486	473	RP0435	518
RP0304-F	349	RP0401	361	RP0488	475	RP0440	519
RP0414	352	RP0076	430	RP0490	477	RP0156	524
RP0399	353	RP0170	413	RP0491	478	RP0437	526
RP0409	354	RP0424	435	RP0494	480	RP0480	528
RP0412	355	RP0407	365	RP0496	482	RP0025-F	529
RP0309-C	368	RP0099	404	RP0497	483	RP0022-F	530
RP0377	327	RP0093	402	RP0502	486	RP0226	531
RP0415	347	RP0334	444	RP0503	487	RP0132	536
RP0416	348	RP0402	362	RP0505	489	RP0220	538
RP0403	363	RP0107-F	431	RP0506	490	RP0343	540
RP0404	364	RP0237	441	RP0508	492	RP0336	541
RP0410	366	RP0212	440	RP0511	493	RP0141	542
RP0308	350	RP0055-F	427	RP0512	494	RP0166	543
RP0018	399	RP0273	442	RP0483	471	RP0265	545
RP0074	401	RP0305-F	433	RP0485	472	RP0161	546
RP0094	403	RP0140	438	RP0487	474	RP0019	547
RP0124	406	RP0210	439	RP0495	481	RP0154	548
RP0126	407	RP0073	400	RP0498	484	RP0145	549
RP0143	409	RP0103	405	RP0501	485	RP0122	550
RP0146	410	RP0293	443	RP0504	488	RP0290	551
RP0165	412	RP0135	408	RP0507	491	RP0222	552
RP0232	415	RP0326	445	RP0460	500	RP0207	556
RP0235	416	RP0002	397	RP0500	503	RP0245	557
RP0243	417	RP0159	268	RP0489	476	RP0075	558
RP0272	418	RP0164	411	RP0492	479	RP0171	559
RP0341	420	RP0206	414	RP0438	499	RP0304-F	560
RP0348	421	RP0340	419	RP0484	501	<b>TOTAL = 130 PROJECTS</b>	<b>58094</b>
RP0003	398	RP0398	436	RP0493	502		



## SECTION 6 - CPC WEBSITE STATISTICS

### 6.1 CPC Website Statistics 2017/2018

The joint CPC Website ([www.cpcinfo.org](http://www.cpcinfo.org)) launched on 25 October 2011. It is the official website of the CPC. Its content is jointly managed by the EPO and the USPTO. On the occasion of the present annual report, the EPO and the USPTO would like to present you with some key statistical information about the site.

### 6.2 CPC Website Page Count

Table 6.2-1: CPC Website Page Count

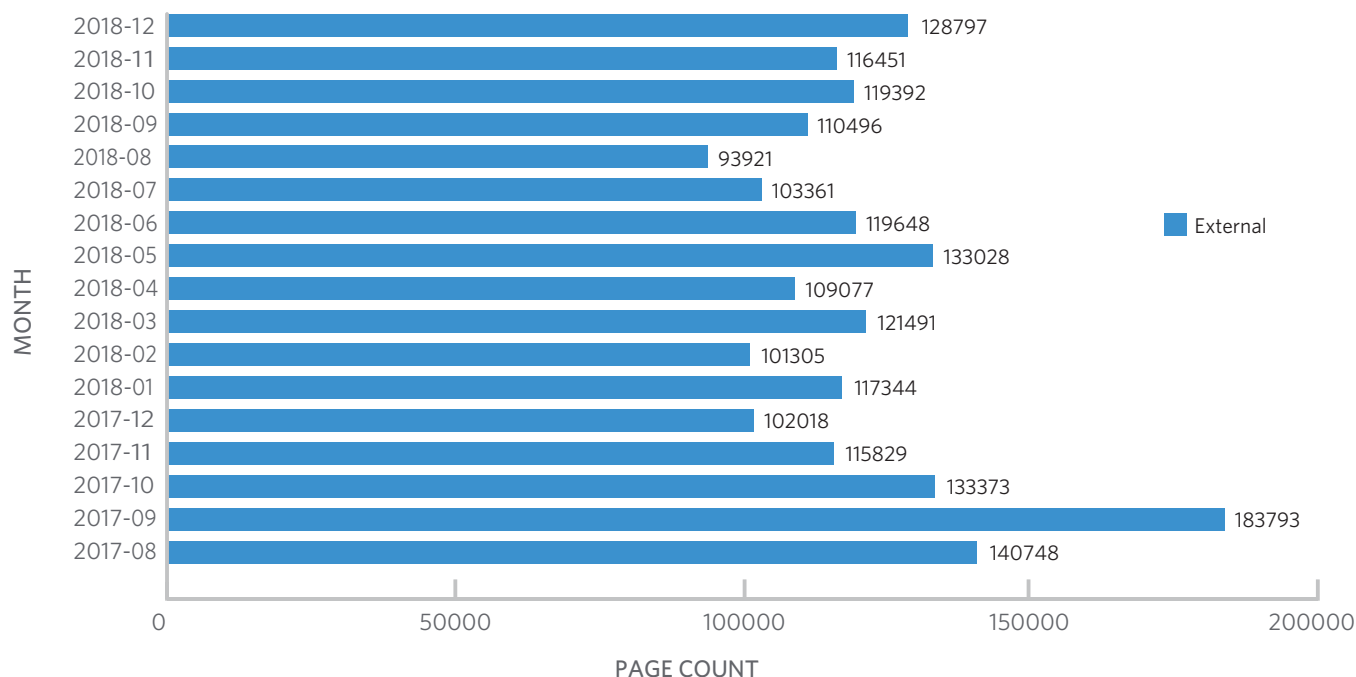


Table 6.2-2: CPC Monthly Website Page Count

MONTH	EXTERNAL	MONTH	EXTERNAL
2017 - 08	140748	2018 - 05	133028
2017 - 09	183793	2018 - 06	119648
2017 - 10	133373	2018 - 07	103361
2017 - 11	115829	2018 - 08	93921
2017 - 12	102018	2018 - 09	110496
2018 - 01	117344	2018 - 10	119392
2018 - 02	101305	2018 - 11	116451
2018 - 03	121491	2018 - 12	128797
2018 - 04	109077		

## 6.3 CPC Website Page Hits 2017/2018

**CPC Website Page Hits** indicates the number of file downloads occurring from a specific [CPCinfo.org](http://CPCinfo.org) IP address within a given month.

uri\_page

<a href="https://www.cooperativepatentclassification.org/">https://www.cooperativepatentclassification.org/</a>																
2017-08	2017-09	2017-10	2017-11	2017-12	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12
55358	27226	26233	28724	29478	26102	21463	25634	23371	24722	25299	18572	11783	11482	14799	18263	18159
<a href="https://www.cooperativepatentclassification.org/index.html">.org/index.html</a>																
37769	4558	4485	4682	4644	5833	6800	8370	8976	27668	28309	28342	23285	23116	29364	29416	26635
<a href="https://www.cooperativepatentclassification.org/index/rss-latest-news.xml">.org/index/rss-latest-news.xml</a>																
13458	14602	14945	14195	12279	15248	14968	16025	16916	17332	17121	17672	16673	15895	18364	18507	17245
<a href="https://www.cooperativepatentclassification.org/search.html">.org/search.html</a>																
933	862	776	1290	822	1084	1195	1158	1013	855	804	700	679	1050	971	2525	15616
<a href="https://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions/table.html">.org/cpcSchemeAndDefinitions/table.html</a>																
4125	4059	4068	4158	3516	4557	4341	4813	4591	4605	4186	3971	3768	3897	4450	5136	3580
<a href="https://www.cooperativepatentclassification.org/cpc/definition/A/definition-A47B.pdf">.org/cpc/definition/A/definition-A47B.pdf</a>																
2092	1968	1826	1745	1765	1569	1503	2228	2208	2848	7114	2427	2502	2224	3453	2409	1693
<a href="https://www.cooperativepatentclassification.org/cpc/definition/C/definition-C10J.pdf">.org/cpc/definition/C/definition-C10J.pdf</a>																
2322	1704	1911	4304	1899	1988	2019	2157	1625	1459	1026	975	2163	2009	1792	1651	1537
<a href="https://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions.html">.org/cpcSchemeAndDefinitions.html</a>																
128069	37378	7315	1605	1428	2075	1953	2067	2030	2036	1837	1850	1710	1675	1932	1887	1403
<a href="https://www.cooperativepatentclassification.org/cpcSchemeAndDefinitions/Bulk.html">.org/cpcSchemeAndDefinitions/Bulk.html</a>																
127941	37213	7432	1567	1790	1483	1554	1537	1090	1213	1287	1237	1364	1095	1367	1285	1130

**Table 6.3-1:** CPC Monthly Website Page Hits

# 6.4 CPC Website Visitor Count 2017/2018

Table 6.4-1: CPC Website Visitor Count

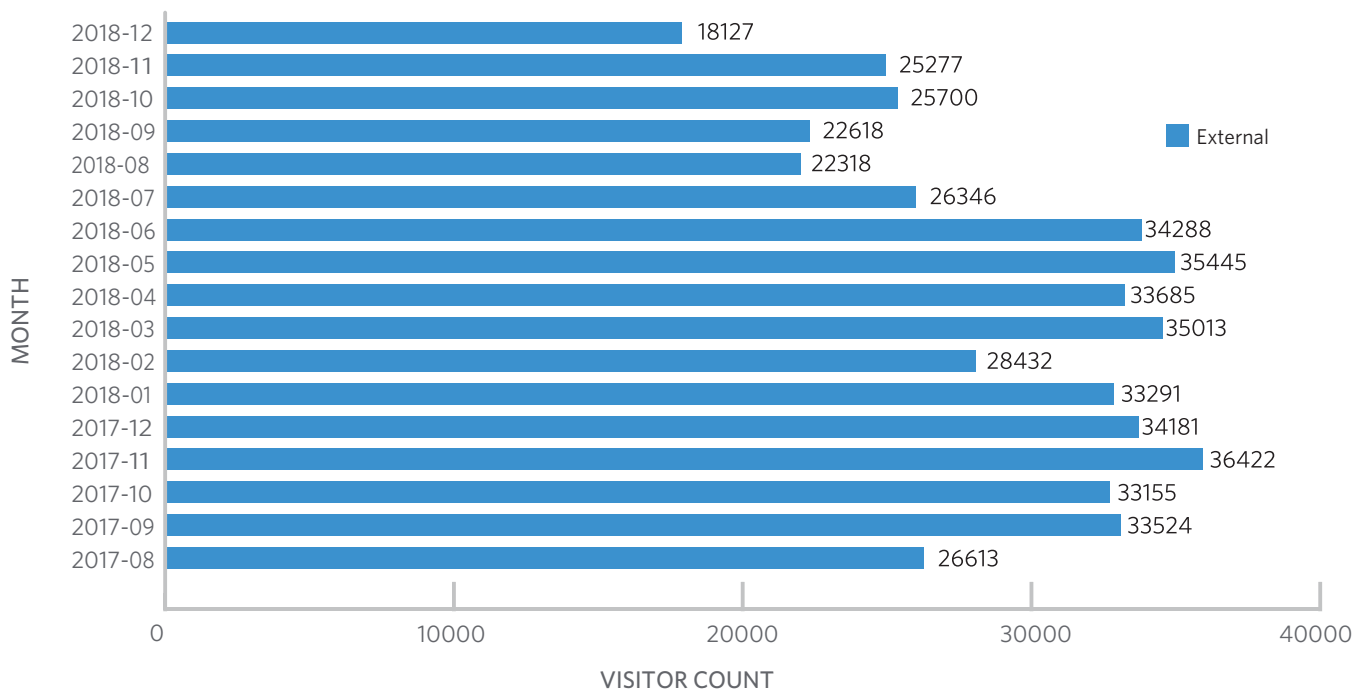


Table 6.4-2: CPC Website Visitor Count

MONTH	EXTERNAL	MONTH	EXTERNAL
2017 - 08	26613	2018 - 05	35445
2017 - 09	33524	2018 - 06	34288
2017 - 10	33155	2018 - 07	26346
2017 - 11	36422	2018 - 08	22318
2017 - 12	34181	2018 - 09	22618
2018 - 01	33291	2018 - 10	25700
2018 - 02	28432	2018 - 11	25277
2018 - 03	35013	2018 - 12	18127
2018 - 04	33685		

## SECTION 7 - SUMMARY OF COMMUNICATION ACTIVITIES

### 7.1 Summary of Communication Activities 2017/2018

The table below itemizes events where CPC was presented or discussed in 2017/2018.

DATE	YEAR	MEETING	TYPE OF MEETING	HOST/VENUE
MARCH 20-24	2017	IP5 Working Group 1 meeting	IP5/WG1	Munich, Germany
MARCH 30-31	2017	Search matters	Users	EPO Munich, Germany
APRIL 6	2017	4th CPC Annual Meeting with Industry Users	Industry	Vienna, Austria
APRIL 20-21	2017	73rd PDG/IMPACT Meeting	Industry	Madrid, Spain
MAY 25	2017	4th CPC Annual meeting with Industry users@ PIUG Annual Conference	Industry	Atlanta, GA
SEPTEMBER 26	2017	PIUG 2017 Northeast Conference	Industry	Iselin, NJ
OCTOBER 16-20	2017	IP5 Working Group 1 meeting	IP5/WG1	JPO Tokyo, Japan
OCTOBER 19-20	2017	74th PDG IMPACT Meeting	Users	Erlangen, Germany
FEBRUARY 6	2018	5th CPC Annual meeting with National Offices	National Offices	Geneva, Switzerland
MARCH 12-16	2018	IP5 Working Group 1 Meeting	IP5/WG1	USPTO Alexandria, VA
MARCH 20	2018	Epoque Net Annual meeting	Offices	Munich, DE
MARCH 21	2018	Raw Data Day with 5th CPC Annual meeting with Industry Users	Industry	Vienna, Austria
23-MARCH	2018	Epoque Net Annual meeting	Offices	Munich, Germany
23-24 APRIL	2018	75th PDG IMPACT Meeting	Users	Vienna, Austria
5-10 MAY	2018	4th CPC Annual meeting with workshop for Industry Users @ PIUG Annual Conference	Users	Alexandria, VA
5-10 MAY	2018	PIUG 2018 Annual Conference	Industry	Alexandria, VA
25-26 OCTOBER	2018	76th PDG IMPACT Meeting	Users	Berlin, DE
11-14 NOVEMBER	2018	EPO Patent Information Conference	Users	Brussels, BE

Table 7.1-1: Communication Activities

## SECTION 8 - CPC COLLABORATIVE ENVIRONMENT (CE) PROJECT UPDATE

### 8.1 CPC Collaborative Environment (CE) Project Update



**Figure 8.1-1** CPC Collaborative Environment (CPC-CE) is composed of a Scheme Navigator and Scheme Publication Tools that will enhance work-sharing and information exchange.

The CPC Collaborative Environment (CE) is a suite of next-generation web-based collaboration tools being jointly developed by the USPTO and EPO that will enhance work sharing and information exchange between IP offices using CPC. Three main components of these tools are Scheme Navigator, Proposal Manager and Dashboards.

The Scheme Navigator includes features to explore, view, and search the CPC scheme hierarchy, notes, warnings, definitions, and quality nominees (QN) contact information. Forthcoming product releases will deliver functionality simplifying and improving the cooperative administration of CPC revision projects through a Proposal Manager for project status tracking, an Advanced Proposal Editor that operates in a cloud based environment with rich text editing functions, and other tools. The Dashboards will provide visual tabular and graphical displays of current revision projects between the EPO and USPTO. Additional functionalities improving the exchange of classification related information, such as training and classification guidance, will be included in future versions (See Figure 8.1-1).



## SECTION 9 - CPC INTERNATIONAL (CPC-INTL) PROJECT UPDATE

### 9.1 CPC International (CPC-INTL) Project Update

The CPC International project aims at redesigning the original CPC Database (CPC-DB) and its infrastructure. It will provide improved visibility of national office's allocations by promoting them from the document level to the simple family level (See Figure 9). The office(s) endorsing an allocation will be clearly visible in the new system. Work is underway on a parallel implementation with a switch over to the new system planned for late 2019.

#### Current situation

		Document level (CPCNO)	Family level (CPC)
INPI Brazil	BR9910073	H01R 12/71	<p><b>H01R 12/71</b> <b>H01R 13/6581</b></p>
CNIPA	CN1306684	H01R 13/65	
EPO	EP1075714	H01R 12/71 H01R 13/6581	
UKIPO	GB2353908	H01R 12/73	
KIPO	KR20010071195	H01R 13/65	
PRV	SE0003892	H01R 13/6581	
USPTO	US6206729	H01R 12/71 H01R 13/6581	

#### Future situation

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

Figure 9.1-1 CPC-INTL will provide improved visibility of National Office's allocations by promoting them from the document level to the simple family level.



**Figure 9.1-2:** On 31 January 2019, the United States Patent and Trademark Office (USPTO) hosted a meeting in which the importance of continued bilateral cooperation in CPC was confirmed with the European Patent Office (EPO). L-R: Shira Perlmutter (Chief Policy Officer and Director for International Affairs), Nelson Das Neves (Country Coordinator International Co-operation, EPO), Mark Powell (Deputy Commissioner for International Patent Cooperation), Telmo Vilela (Director International Co-operation, EPO), António Campinos (President of the EPO), Charles Elishway (Senior Patent Counsel – Office of Policy of International Affairs, USPTO), Andrei Iancu (Under Secretary of Commerce for Intellectual Property and Director of the USPTO), Chris Shipp (USPTO Chief Communications Officer), Delia Brasfalean (Advisor, President's Office, EPO), Courtney Stopp (Patent Counsel – Office of Policy and International Affairs, USPTO).