

CPC

COOPERATIVE PATENT CLASSIFICATION

ANNUAL REPORT

2015



Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

UNITED STATES
PATENT AND TRADEMARK OFFICE



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The 2nd EPO-USPTO CPC Annual Meeting with national offices classifying in the CPC, April 15, 2015 at the WIPO (World Intellectual Property Organization) in Geneva, Switzerland.

Introductory Words by the USPTO and EPO Heads of Offices

Introductory words by the EPO President Benoît Battistelli

It is now three years since the Cooperative Patent Classification (CPC) was implemented and it has grown significantly during this period. Several major patent offices took important steps in 2015 towards its implementation as a refined classification system for their publications and we hear that many more are interested.

For the European Patent Office and our partner in the CPC endeavour - the USPTO - the growing number of offices in the "CPC community" is an acknowledgement of the merits of our classification system. It is dynamic, up-to-date with the latest technological developments and it covers a vast collection of worldwide patent documents. These attributes have contributed positively to quality and efficiency in the patent granting procedure and, in turn, this has played a role in the success of the CPC amongst patent offices and users.

With this second edition of the "CPC Annual Report", the reader can obtain a clear overview of the many activities undertaken in the past year to further improve the CPC, thereby rendering it even more attractive to the user community. Our experts continually invest vast amounts of intellectual input, in order to ensure benefits for all those who use the CPC. And, as the system has matured, the number of revisions has also increased, reflecting a constant commitment to ensuring the success and continuing excellence of the CPC.



Introductory words by Under Secretary of Commerce for Intellectual Property and Director of the USPTO Michelle K. Lee

In 2016, the United States Patent and Trademark Office (USPTO) will successfully complete the full transition to the Cooperative Patent Classification (CPC) alongside many of the IP stakeholders globally. Currently, CPC is used for search by more than 45 Patent Offices and by more than 25,000 examiners world-wide.

As of 18 January 2016, the number of publications classified in CPC has reached 44.3 million total documents classified in the CPC worldwide. Drawing from the best training practices, including Field-Specific Training (FST) and Computer Based Training (CBT), the USPTO customized unique expert training for both its examination workforce as well as other IP National Offices to help ensure a high level of quality in utilizing CPC and classification of documents.

The USPTO continues its bilateral efforts with the European Patent Office to use the benefits of revision projects to ensure the critical elements of correctness and accuracy of the CPC scheme for its examiners and IP stakeholders world-wide. With 1,506 new CPC symbols added and 994 CPC symbols deleted last year, this bilateral dedication is already leading to great dividends.

As we move forward, the USPTO will continue to enhance quality and ensure the harmonization of classification by developing partnerships with other offices across the globe.

EPO President Benoît Battistelli
and Under Secretary and Director
of the USPTO Michelle K. Lee

2015 Statistics

USPTO and EPO examiners collaborate jointly to maintain the CPC schemes and definitions. All changes are agreed by both the EPO and USPTO resulting in the same understanding of the new schemes in both offices. Revisions are made by both Offices on a regular basis allowing for a rapid response to filing trends and emerging technologies. Scheme changes and developments are agreed between USPTO and EPO examiners, via a collaboration tool by exchanging comments leading to a common position.

Last year we managed to improve the quality of the CPC schemes and definitions by revising diverse segments of the CPC schemes and definitions covering various technical fields.

In 2015, the USPTO and EPO jointly published 57 revision projects (see Appendix 1). As a result of these projects, 1,506 new symbols were created, 994 symbols were deleted. There were nine (9) publications relating to definition changes, which resulted in the creation of 519 definitions, the deletion of 133 definitions, and the modification of 1,213 definitions (see Appendix 2).

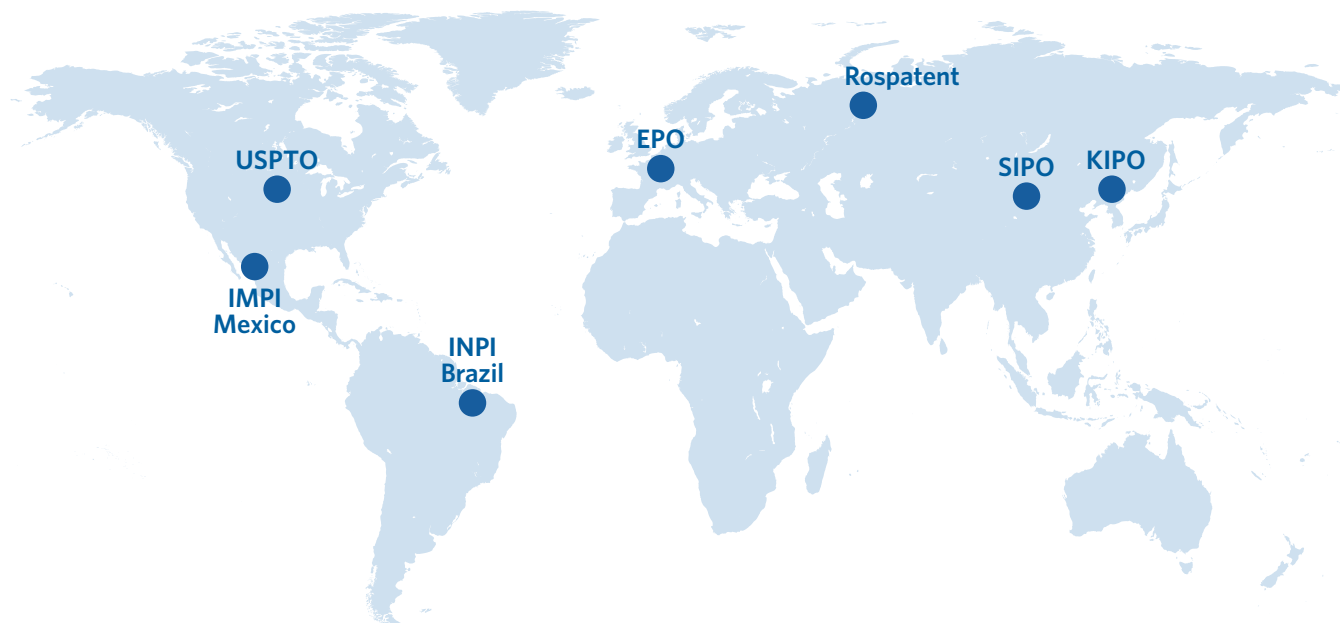
Forty- seven (47) reclassification projects were also completed.

2015 Completed CPC Revision Projects

PROJECT	TITLE	SUBCLASS OR LOWER	DATE OF COMPLETION
RP0096	[IPC2014.01] Scheme housekeeping (M747 project)	F23M	03-02-2015
RP0119	[Admin. Transfers] Secateurs; Flower or fruit shears	A01G3	03-02-2015
RP0062	[IPC2014.01] Methods or arrangements for coding, decoding, compressing or decompressing digital video signals	H04N19	06-02-2015
RP0068	[IPC2014.01] Locks for vehicles other than bicycles	E05B	06-02-2015
RP0069	[IPC2014.01] Inks	C09D11	06-02-2015
RP0111	[IPC2015.01] Control of generators - IPC indexing scheme	H02P101/00	06-02-2015
RP0112	[IPC2015.01] Antennas	H01Q5/00	06-02-2015
RP0115	[IPC2015.01] Medicinal preparations containing material or reaction products	A61K35/00	06-02-2015
RP0163	[Admin. Transfers] Climate change mitigation technologies related to wastewater treatment or waste management	Y02W	13-03-2015
RP0005	Suction or pumping devices for medical purposes	A61M1, 3	23-03-2015
RP0031	[Admin. Transfers] Feeding webs to or from machines	B65H2019/16	09-04-2015
RP0036	[Admin. Transfers] Details of domestic- or space-heating systems	F24D2019	09-04-2015
RP0047	[Admin. Transfers] Microtechnology	B81C2001/00	09-04-2015
RP0049	[Admin. Transfers] Prostheses implantable into the body	A61F2	09-04-2015
RP0051	[Admin. Transfers] Spraying apparatus; Atomising apparatus; Nozzles	B05B2012, 2017	09-04-2015
RP0060	[IPC2014.01] Batteries	H01M	09-04-2015
RP0078	Air intake coolers	F02B29/04	09-04-2015

RP0080	Laying or reclaiming pipes; Repairing or joining pipes on or under water	F16L1/208	09-04-2015
RP0084	Bearings with rolling contact, for exclusively rotary movement (adjustable bearings)	F16C2019/00	04-05-2015
RP0109	[Admin. Transfers] Articles made by soldering, welding or cutting by applying heat locally	B23K	04-05-2015
RP0083	[Admin. Transfers] Packet switching networks	H04L2212/00	06-07-2015
RP0081	Spraying	B05B3/165	17-07-2015
RP0082	Diamond deposition	C23C16/273	17-07-2015
RP0086	Burners	F23D21/00	17-07-2015
RP0087	Indexing scheme for non-positive-displacement machines or engines, gas-turbines or jet propulsion plants	F05D2280/00	17-07-2015
RP0091	Motor Control	H02P	17-07-2015
RP0098	Enzymes	C12Y	17-07-2015
RP0101	Supplying, feeding or preparing air, fuel, fuel air mixtures or auxiliary fluids for a combustion engine	F02M2700/00	17-07-2015
RP0102	[Admin. Transfers] Miscellaneous supports, holders, or containers for household use	A47G29/02	17-07-2015
RP0104	[Admin. Transfers] Operation, administration, maintenance or provisioning [OAMP] of WDM networks	H04J14/0227	17-07-2015
RP0106	[Admin. Transfers] Mesenchymal cells	C12N5	17-07-2015
RP0033	[Admin. Transfers] Digital data processing; Error detection or correction of the data by redundancy in operation	G06F11/14	18-09-2015
RP0035	[Admin. Transfers] Water heaters having heat generating means	F24H2001	18-09-2015
RP0056	[Admin. Transfers] Temperature control with electric means	G05D23	18-09-2015
RP0089	Other compounding ingredients of detergent compositions covered in group	C11D2003/326	18-09-2015
RP0097	Scheme housekeeping	G11B5, 7	18-09-2015
RP0120	[Admin. Transfers] Surgical instruments, devices or methods, e.g. tourniquets	A61B17	18-09-2015
RP0133	[Admin. Transfers] Suction or pumping devices for medical purposes	A61M1	18-09-2015
RP0046	[Admin. Transfers] Peptides	C07K2319	07-10-2015
RP0050	[Admin. Transfers] Investigating strength properties of solid materials by application of mechanical stress	G01N3	07-10-2015
RP0077	Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce, with or without measuring devices	A63B21	08-10-2015
RP0059	[IPC2014.01] Control devices	G05G	05-11-2015
RP0090	Well-drilling compositions	C09K8/00	05-11-2015
RP0095	Scheme housekeeping	G06F2009	05-11-2015
RP0105	[Admin. Transfers] Apparatus or tools for mounting wheels or parts thereof	B60B33	05-11-2015
RP0108	[Admin. Transfers] Refrigeration machines	F25B;F25D	05-11-2015
RP0229	[JB6 priority] Climate Change Mitigation Technologies	Y02P	05-11-2015

CPC Coverage



CPC is used by more than 45 Patent Offices via the EPOQUENet system provided by the EPO and by more than 25,000 examiners worldwide.

CPC is the classification system used by the USPTO and EPO as of 1 January 2013. CPC covers the patent documentation as presented in the table below in the column entitled "Systematically classified". This table refers to dates from which priorities of documents were systematically recorded and documents systematically circulated to the EPO classifiers for intellectual classification into ECLA until 2013, then jointly classifying new documents into CPC from January 2013 onwards. (Note that WO documents in non EPO languages are classified into CPC based on their title, abstracts and figures).

CPC Classification Coverage

The table below describes the scope of coverage of CPC database by Intellectual Property Offices (IPOs).

Country	CC	Code	Systematically Classified**	Non-Systematically Classified
ARIPO	AP		complete from 1 (3/7/1985)	
Austria	AT*	A, B	from 288 286 (15/1/1971)	from 100 022 (1925)
Australia	AU*	B, D	from 18/1/1973 (first filing: 1971)	from 1 019 332 (1933)
Belgium	BE		from 100 486 (1892)	years 1959-1962
Canada	CA*		from 848 159 (4/8/1970) for first filing residents from 939 101 (1/1/1974)	from 114 746 (1908)
Switzerland	CH	A, B D	from 208 320 (31/1/1939) from 1968	from 1 (1888)
Germany	DE	A, B, C U	from 1 (1877) from 609 798 (4/1/1973)	from 1 037 492 (1928)
EPO	EP	A	complete from 1 (20/12/1978)	
France	FR	A, B E	from 292 (1844) from 92 701 (20/12/1968)	
United Kingdom	GB	A, B	from 1909 02 488 (27/1/1910)	From 1817 04 136 (1817)
Luxembourg	LU		from 555 (<1920)	
The Netherlands	NL		from 28 (1913)	
OAPI	OA		complete from 1 (15/01/1966)	
The United States	US	A, B E I (defensive) I (trial, project) H	complete from 1 (13/07/1836) complete from 8 (23/04/1839) complete from 120 (04/10/1855) complete from 1 (03/12/1985)	
World (PCT)	WO		complete from 7800001 (19/10/1978)	

* For first filings only i.e., without foreign priorities

** When the indication "complete" is not present, this means that some documents in the collection may not be classified in CPC

CPC Documentation Coverage – Updated 18 January 2016

This chart shows a breakdown of over 44.3 million documents that are currently classified in CPC. Over 97% of all US, EP, WIPO documents are classified in CPC.

EPO and USPTO documents are classified at the family level. Documents that are part of a CPC family are searchable by US and EPO examiners.

Additional countries are classifying documents in CPC at the document level (NOTE: these are not yet searchable by US examiners, but will be soon, whereas EPO examiners can search them). These allocations are made available in a separate CPCNO field in various products such as Espacenet or the DocDB XML exchange.

The table below shows the listing of IPO countries with their percentage of publications classified in CPC.

Country	Country Code	Number of Documents	Number of Publications Classified in CPC (family or document level)	% Publications Classified in CPC (family or document level)
EPO	EP	2,960,410	2,953,408	99.8
United States	US	11,561,111*	11,239,893*	97.2
ARIPO	AP	3,465	3,263	94.2
Austria	AT	1,001,650	644,880	64.4
Australia	AU	1,479,433	1,333,186	90.1
Belgium	BE	585,582	551,528	94.2
Canada	CA	2,314,139	1,233,373	53.3
Switzerland	CH	713,889	574,737	80.5
Germany	DE	5,471,072	4,665,281	85.3
France	FR	2,400,075	2,379,438	99.1
Great Britain	GB	2,361,704	2,104,831	89.1
Luxembourg	LU	61,575	60,538	98.3
Netherlands	NL	548,340	536,372	97.8
OAPI	OA	13,432	13,190	98.2
WIPO	WO	2,776,852	2,768,484	99.7

* until 2013, US documents were classified in the European Classification (ECLA) and then transferred in the CPC.

National Office (NO) Coverage – Updated 18 January 2016

The table below shows the listing of IPO offices with their total number of documents having CPC NO allocations at document level (independently from the allocations available at family level).

Country	Country Code	Number of Publications with CPC NO Allocations (document level)
Austria	AT	4,340
Brazil	BR	3,284
China	CN	110,261
Finland	FI	4,575
Great Britain	GB	114,719
Greece	GR	4,933
Korea	KR	170,287
Spain	ES	29,330
Sweden	SE	138,380

CPC Classification Work at SIPO

The table below shows the yearly planning projection of the Chinese national documents with CPC allocations classified by SIPO.

	Year	Backfile Documents to be Classified in CPC	Front File Applications to be Classified in CPC
Status	2014	89 000	155 820
	2015	380 000	1 100 000
Plan	2016	Deliver CPC data on a monthly basis until all the CPC data produced by SIPO in 2015 have been sent.	All
	2017	Depending on the availability of resources	

CPC Classification Work at KIPO

The table below shows the yearly planning projection of the Korean national documents with CPC allocations classified by KIPO.

Year	Backfile Documents to be Classified in CPC	Front File Applications to be Classified in CPC
2015	232,000	All
2016	457,000	All
2017	390,000	All
2018	390,000	All
From 2019	N/A	All

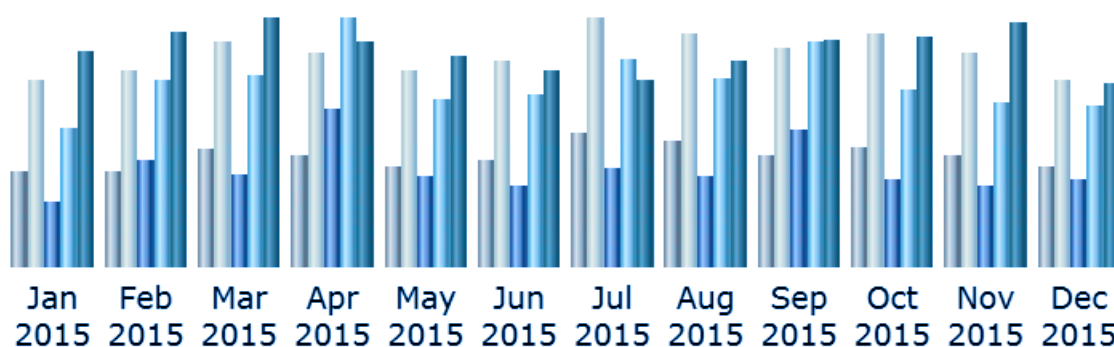
More than 1,000,000 KR documents are already classified in CPC.

KIPO will classify in CPC the last 10 years of backfile by the end of 2018 (~1,3M docs)

EPO/USPTO's Combined Website Usage Statistics

The Website launched on 25 October 2011, it is the official website of the CPC. Its content is managed by the EPO in agreement with the USPTO. On the occasion of the present annual report, the EPO and the USPTO would like to present you some key statistical information about the site.

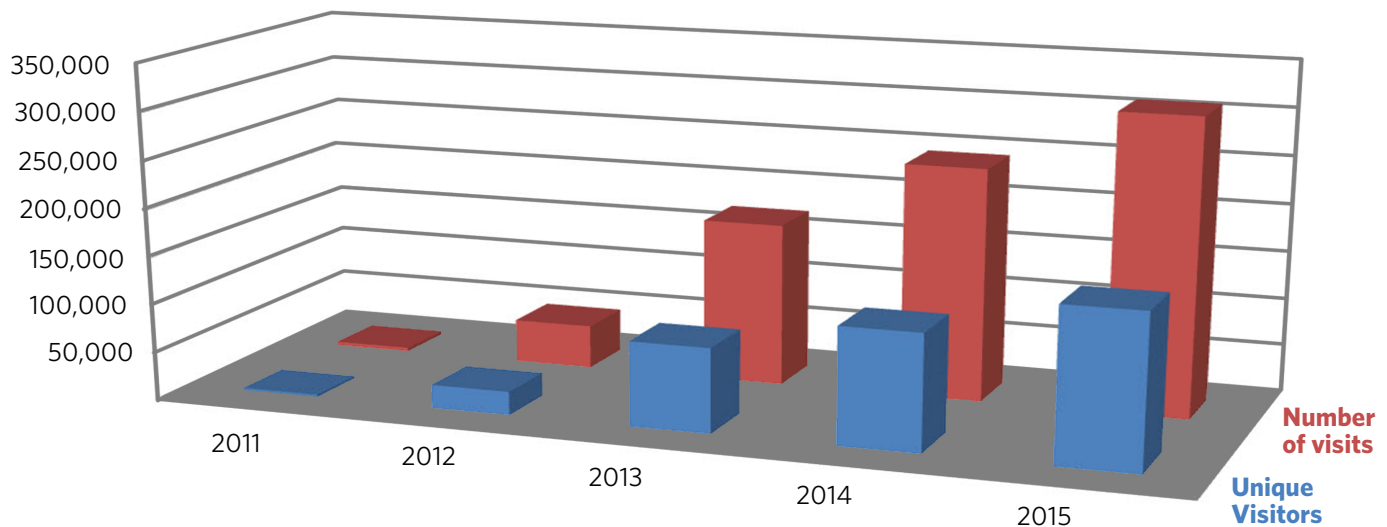
Monthly Usage



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2015	11418	22643	67205	143497	38.73 GB
Feb 2015	11629	24064	109214	189951	41.98 GB
Mar 2015	14083	27207	95053	196218	44.39 GB
Apr 2015	13397	26036	161462	254442	40.35 GB
May 2015	12352	24080	91297	172263	37.71 GB
Jun 2015	12779	24837	84715	176190	35.38 GB
Jul 2015	16209	30108	101562	213090	33.50 GB
Aug 2015	15189	28170	91202	192409	36.62 GB
Sep 2015	13554	26622	140573	230482	40.83 GB
Oct 2015	14455	28242	88134	181119	41.17 GB
Nov 2015	13430	25829	82196	166837	43.81 GB
Dec 2015	12094	22688	89678	166652	32.87 GB
Total	160589	310526	1202291	2283150	467.34 GB

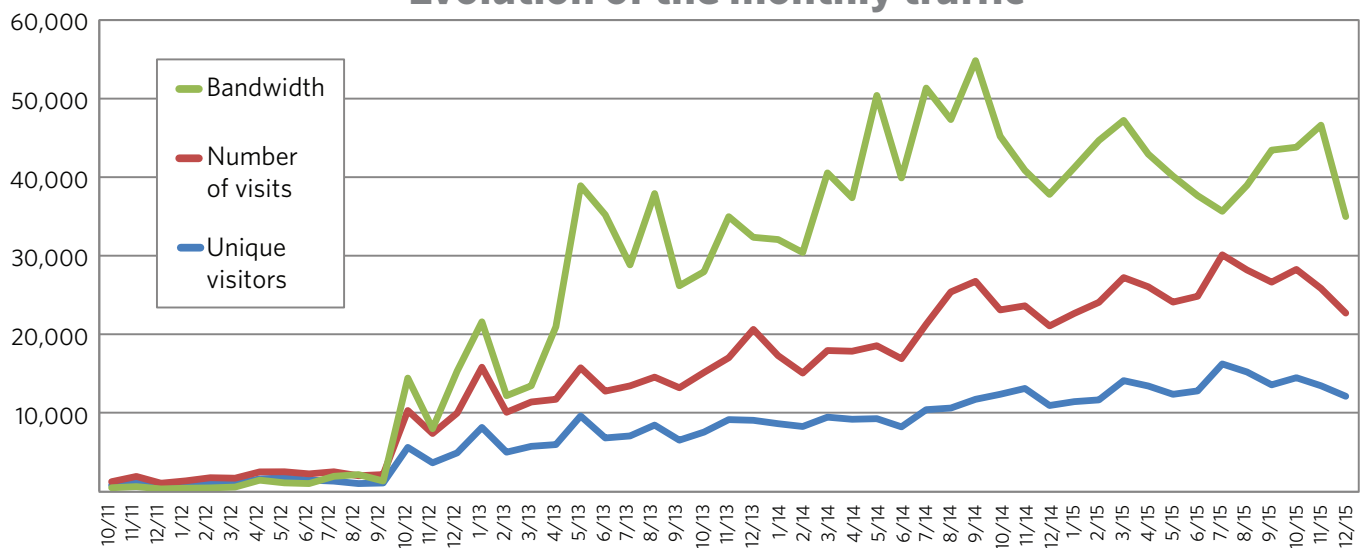
With a steady increase in the number of visitors and in the bandwidth used, 2015 saw the highest number of visits (310,526) as well as unique visitors (160,589) since the launch of the website. In parallel, 2015 saw an unprecedented 467.34 GB of data traffic via the website.

2011-2015 Traffic Evolution



Also, when looking at the monthly bandwidth usage, on average held steady at about 40GB per month.

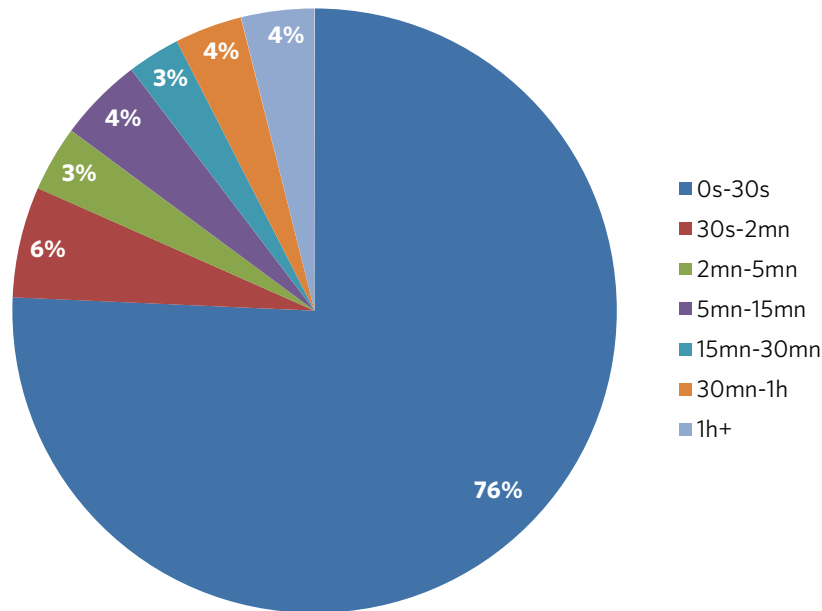
Evolution of the monthly traffic



Looking at the monthly progression, similar trends from 2014 were observed. Peaks corresponding to new CPC revision publications are clearly visible.

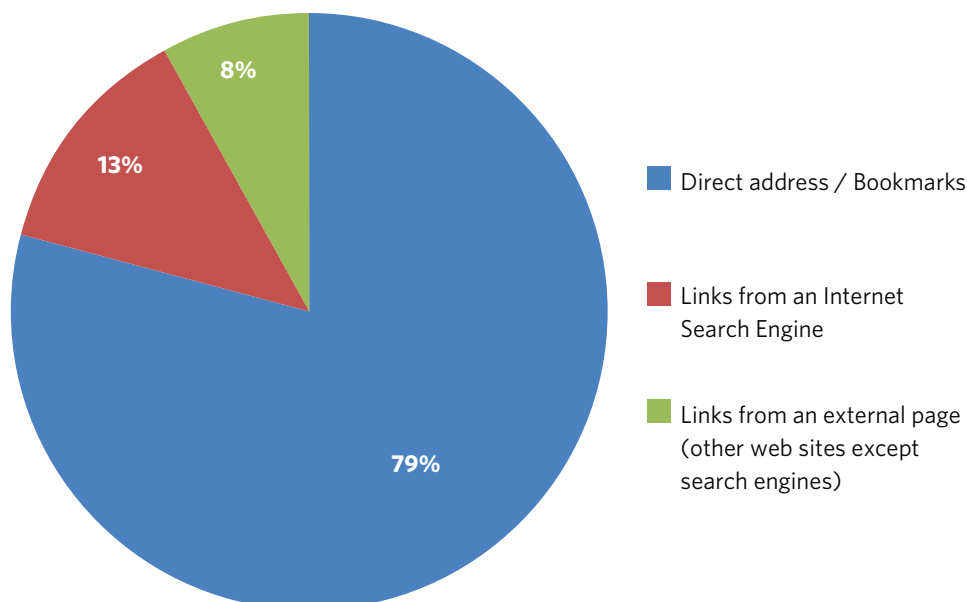
Surprisingly, the time spent per visit remained about the same as in 2014. Around 76% of the visits lasted less than 30s. However, the average duration of a visit was of 329s, i.e. between 5 and 6 minutes.

Visits duration



Lastly, about 80% of the visitors arrived at the www.cpcinfo.org website using a direct URL or a bookmark. Interestingly, about 13% arrived at the site via a search engine.

Origin of visits



Summary of 2015 Communication activities

The following key items have been of prime importance since the transition to CPC:

- Communicating progress both in the USPTO and EPO internally and externally;
- Providing consistent messages from the USPTO and the EPO to respective audiences, individually and jointly as appropriate to the IP community.

Several United States Patent Office (USPTO) Training events with other National Offices were held in 2015. Two Field Specific Trainings (FSTs) were hosted by the USPTO in Alexandria, VA. The first was in February and the second November. The fields addressed were independent of Revision Projects that took place throughout the year at USPTO. The Korean Intellectual Property Office (KIPO) also hosted FSTs in June and December.

To support National Offices who decided to classify their publications in the CPC, the EPO held numerous dedicated training events for examiners and classifiers with the aim to transfer CPC classification practices.

The table below itemizes events where CPC was presented/discussed:

Date		Meeting	Type of Meeting	Host/Venue
Feb	2015	FSTs on CPC Classification and Search	USPTO	USPTO-Alexandria, VA
17-19 Feb	2015	PIUG Biotechnology conference	Public	San Francisco, CA
5-6 Mar	2015	Search Matters	EPO	Munich, DE
10 Mar	2015	CPC Quality Enhancement Meeting (QEM)	USPTO	USPTO-Alexandria, VA
23-27 Mar	2015	IP5 Working Group 1 meeting	IP5	Tokyo, JP
14 Apr	2015	CPC Quality Enhancement Meeting (QEM)	USPTO	USPTO-Alexandria, VA
14-15 Apr	2015	2nd CPC Annual Meeting	Industry, Patent Offices	Geneva, CH
14 Apr-04 Jun	2015	CPC Search Training	USPTO	USPTO-Alexandria, VA
16-17 Apr	2015	PDG/IMPACT	Industry	London, UK
20-22 Apr	2015	PATLIB2015	Patent Information Centers	Munich, DE
23-24 Apr	2015	East Meets West	Patent Information	Vienna, AT
1 May	2015	CPC Annual Meeting	US Industry	Lombard, IL
4-7 May	2015	PIUG Annual Conference	Industry	Lombard, IL
4-8 May	2015	FST on CPC Classification and Search	KIPO examiners / classifiers	EPO, Munich
11 May-5 Jun	2015	FST on CPC Classification and Search	SIPO examiners / classifiers	EPO, Munich
13 May	2015	ECLC AIPLA and Directors Spring Teleconference	External users/Industry	Webcast
19 May	2015	Patent Searching Seminar	Industry/Offices	EPO, Vienna

Date		Meeting	Type of Meeting	Host/Venue
20-27 May	2015	CPC Quality Enhancement Meeting (QEM)	USPTO	USPTO-Alexandria, VA
Jun	2015	FSTs on CPC Classification and Search	USPTO	KIPO
2-4 Jun	2015	CPC Quality Enhancement Meeting (QEM)	USPTO	USPTO-Alexandria, VA
22 Jun-3 Jul	2015	FSTs on CPC Classification and Search	INPI Brazil examiners	EPO, The Hague
6-10 Jul	2015	General and advanced training IMPI Mexico	IMPI Mexico examiners	IMPI Mexico, Mexico City
03-14 Sep	2015	CPC Master Class Training for all USPTO Patent Managers	USPTO	USPTO-Alexandria, VA
13 Sep-03 Nov	2015	Master Class - CPC Level 1 Class - Parts I and II	USPTO	USPTO-Alexandria, VA
14 Sep-18 Sep	2015	FST on CPC Classification and Search	Rospatent/FIPS examiners	Rospatent, Moscow, Russia
21 Sep-9 Oct	2015	FST on CPC Classification and Search	SIPO examiners/classifiers	EPO, The Hague
23-24 Sep	2015	Conference on the occasion of the 60th Anniversary of Rospatent	Industry/Offices	Moscow, Russia
28 Sep-2 Oct	2015	FST on CPC Classification and Search	Rospatent/FIPS examiners	Rospatent, Moscow, Russia
6 Oct	2015	Patent Searching Seminar	Industry/Offices	EPO, Vienna
8 Oct	2015	Skolkovo Patent School	Industry/patent attorneys	Moscow, Russia
14 Oct	2015	CPC Quality Enhancement Meeting (A61L)	Bilateral QEM (EPO/USPTO)	USPTO-Alexandria, VA
15 Oct	2015	CPC Quality Enhancement Meeting (H01F)	Bilateral QEM (EPO/USPTO)	USPTO-Alexandria, VA
16 Oct	2015	CPC Quality Enhancement Meeting (A23L)	Bilateral QEM (EPO/USPTO)	USPTO-Alexandria, VA
Nov	2015	FSTs on CPC Classification and Search	USPTO	USPTO-Alexandria, VA
3-10 Nov	2015	FST on CPC Classification and Search	KIPO examiners/classifiers	EPO, Munich
12-13 Nov	2015	CPC Search Techniques General Training	KIPO	USPTO-Alexandria, VA
16-19 Nov	2015	CPC Search Techniques Field Specific Training	KIPO	USPTO-Alexandria, VA
Dec	2015	FSTs on CPC Classification and Search	USPTO	KIPO

Appendix 1 - 2015 CPC Projects

2015 Published CPC Projects

Project	Subclass	Date
RP0066	G03B	1-Jan
RP0111	H02P	1-Jan
RP0115	A61K	1-Jan
RP0096	F23M	1-Jan
RP0110	G02B	1-Jan
RP0114	H04B	1-Jan
RP0113	H04B	1-Jan
RP0116	F21V	1-Jan
RP0119	A01G	1-Jan
RP0118	E05F	1-Jan
RP0112	H01Q	1-Jan
MP0121	B33Y	1-Jan
N/A	Y10T (New)	1-Jan
DP0001	H01M	1-Mar
DP0002	G02F	1-Mar
DP0003	A01K	1-Mar
DP0004	B60R	1-Mar
DP0005	C08J	1-Mar
DP0006	H05K	1-Mar
DP0007	B65D	1-Mar
DP0008	H04L	1-Mar
DP0009	C12P	1-Mar
DP0010	C12Q	1-Mar
DP0011	G01N	1-Mar
DP0012	G02B	1-Mar
DP0013	C12R	1-Mar
DP0014	A61K	1-Mar
DP0016	H01L	1-Mar
DP0017	C07K	1-Mar
DP0018	A61F	1-Mar
DP0019	A61B	1-Mar

DP0020	A61M	1-Mar
DP0021	C12N	1-Mar
DP0051	A01M, A23D, A24B, A41G, A47G, A61K, A61M, B23K, B23P, B27C, B29D, B60K, B65G, B66D, B67C, C08B, C08G, D06F, E01B, E01C, F01D, G01N, G06K, G07F, and G09F	1-Mar
RP0022	B60N	1-Apr
RP0031	B65H	1-Apr
RP0036	F24D	1-Apr
RP0047	B81C	1-Apr
RP0049	A61F	1-Apr
RP0050	G01N	1-Apr
RP0051	B05B	1-Apr
RP0060	H01M	1-Apr
RP0078	F02B	1-Apr
RP0080	F16L	1-Apr
RP0016	A61F	1-Apr
N/A	Y10T	1-Apr
RP0006	A61J	1-May
RP0020	A01K	1-May
RP0055	B29B	1-May
RP0084	F16C	1-May
RP0109	B23K	1-May
MP0019	A61M, B60C, B65F, G06Q, H02P, and H02S	1-May
MP0118	B21 (class) B21D, B21F, B21G, B21J, B21K, B21L, B23 (class), B23P, B27B, B27C, B27F, B27H, B31 (class), B31B, B31C, B31D, B31F, B60B, B60K, B61F, B64D, and B64F	1-May
N/A	Y02W	1-May
RP0083	H04L	1-Jul
RP0086	F23D	1-Jul
RP0087	F05D	1-Jul
RP0092	D07B	1-Jul

RP0098	C12Y	1-Jul
RP0081	B05B	1-Jul
RP0082	C23C	1-Jul
RP0091	H02P	1-Jul
RP0101	F02M	1-Jul
RP0102	A47G	1-Jul
RP0104	H04J	1-Jul
RP0106	C12N	1-Jul
RP0107	B65D	1-Jul
MP0109	C07H	1-Jul
MP0119	A61B, A61C, A61H, A63F, C02F, C12C, C12G, C12H, C12N, D03D, E02B, E05B, F42D, G01N, G01S, G06K, G06T, H01B, H01L, H03G, H03G, and H03K	1-Jul
DP0015	C09B	1-Jul
MP0104	C22C	1-Jul
MP0113	A43B	1-Jul
RP0035	F24H	1-Sep
RP0033	G06F	1-Sep
RP0089	C11D	1-Sep
RP0130	E02B	1-Sep
RP0133	A61M	1-Sep
RP0120	A61B	1-Sep
RP0056	G05D	1-Sep
RP0097	G11B	1-Sep
MP0125	B65D	1-Sep
MP0126	C13	1-Sep
DP0024	H04W	1-Sep
DP0026	D03D	1-Sep
DP0035	A61C	1-Sep
DP0038	B65B	1-Sep
DP0039	B41J	1-Sep
DP0041	B65H	1-Sep
DP0047	C07B	1-Sep
DP0054	A61K	1-Sep
RP0065	B23K	1-Oct

RP0077	A63B	1-Oct
RP0117	A63B	1-Oct
DP0023	A61B	1-Oct
DP0029	F01D	1-Oct
DP0031	B32B	1-Oct
DP0050	B29D	1-Oct
MP0117	H01L	1-Oct
MP0123	A61B, A61M, B01L, B05B, B05D, B29C, B29L, B65D, C01G, G08G, C09B, C10G, C12M, C23C, F21K, F21S, G01M, G01V, G02F, G06F, G08G, G11C, H01G, H01L, H02G, H03H, H04B, H04K, H04L, H04R, H04S, and H04W	1-Oct
MP0124	Various	1-Oct
RP0059	G05G	1-Nov
RP0090	C09K	1-Nov
RP0095	G06F	1-Nov
RP0105	B60B	1-Nov
RP0108	F25B, F25D	1-Nov
RP0229	Y02P (New), Y02T	1-Nov
MP0122	H01L	1-Nov
MP0147	H04W	1-Nov
DP0161	B64D	1-Nov
MP0267	G03B	1-Nov
DP0027	H01L	1-Dec
DP0033	H04N	1-Dec
DP0043	H05B	1-Dec
DP0053	C12N	1-Dec
DP0072	A61K	1-Dec
DP0081	B66B	1-Dec
DP0086	F03D	1-Dec
MP0216	C07D, C09B, and H02S	1-Dec

Appendix 2 - 2015 CPC Definition Changes

2015 Publications that Resulted in Definition Changes

Publication	Total Symbols	Definitions Deleted	Definitions Added	Definitions Modified	Publication Date
201501	42392	45	46	45	2015-01-15
201503	42527	12	147	493	2015-03-01
201504	42527	7	7	21	2015-04-01
201505	42631	0	104	28	2015-05-01
201507	42647	2	18	8	2015-07-01
201509	42647	3	3	247	2015-09-01
201510	42657	64	74	125	2015-10-01
201511	42687	0	30	78	2015-11-01
201512	42777	0	90	168	2015-12-01
Total		133	519	1213	