

CPC Implementation at KIPO

Deputy Director

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Korean Intellectual Property Office

Agenda

- **Classification/Search under the CPC system at KIPO**
- **Quality Assurance process**
- **CPC Training**
- **CPC Implementation**
- **CPC data exchange**

Classification / Search

under the CPC system

at KIPO

Policy on Classification

- Since January 2015
- Classification for newly filed applications (all fields)
- Outsource classification job to the PIPC
- Matching of IPC automatically
(CPC-IPC Concordance Table)

CPC Searching System

- **CPC-IPC Integrated Searching System** (since July 1, 2017)
 - traditionally examiners had to search CPCs and IPCs separately
- The system has become more sophisticated as **sub-classifications can also be searched.**

Classification Search on KOMPASS

The screenshot illustrates the 'Classification Search on KOMPASS' interface. On the left, a table titled '검색항목' (Search Items) lists various classification categories. The '분류관련' (Classification Related) section is highlighted with a red box, showing 'CPC[CPC]' and 'IPC분류[IPC]'. Below this, the '번호관련' (Number Related) section lists other categories like '출원번호[AN]', '공개번호[OPN]', '공보번호[PN]', '등록번호[GN]', '우선권출원번호[RM]', and 'PCT출원번호[IAN]'. A blue arrow points from this table to the right, where a detailed search configuration screen is shown. This screen features a '분류관련' (Classification Related) section with several search criteria, each with a radio button for 'AND' or 'OR' logic. The criteria include 'IPC/CPC[CPC]', 'F-TERM[FT]', 'FI[FI]', 'IPC/CPC주분류[CPC_M]', and 'IPC/CPC부분류[CPC_S]'. The 'AND' radio button is selected for all criteria.

분류관련	검색항목	AND/OR
<input checked="" type="radio"/> AND <input type="radio"/> OR	IPC/CPC[CPC]	
<input checked="" type="radio"/> AND <input type="radio"/> OR	F-TERM[FT]	
<input checked="" type="radio"/> AND <input type="radio"/> OR	FI[FI]	
<input checked="" type="radio"/> AND <input type="radio"/> OR	IPC/CPC주분류[CPC_M]	
<input checked="" type="radio"/> AND <input type="radio"/> OR	IPC/CPC부분류[CPC_S]	

System for statistics on CPC using

- Made a new system that captures statistics on CPC utilization in search work, per technology fields, examiners, or classification schemes

CPC분류 활용률 현황 < 특실분류 모니터링 < 통계/모니터링

조회조건 국: 특허심사기획국 과: 심사과 파트: 착수기간 2017.05.01 ~ 2017.06.29

조회

CPC분류 활용률 현황 | 30 총 6건

No	담당자	종결건	IPC	CPC	F-Term/Fl
1		25	3(12.00%)	0(0.00%)	0(0.00%)
2		30	18(60.00%)	18(60.00%)	17(56.67%)
3		33	9(27.27%)	1(3.03%)	0(0.00%)
4		28	4(14.29%)	1(3.57%)	1(3.57%)
5		25	10(40.00%)	0(0.00%)	0(0.00%)
6		29	27(93.10%)	1(3.45%)	0(0.00%)
합계		170	71(41.76%)	21(12.35%)	18(10.59%)

Status of backfile reclassification

YEAR	2014	2015	2016	2017	2018
The number of documents	120,420	231,902	821,441	1,020,254	600,000

- In case of backfile with family doc (EP, US), KR has assigned the classification symbols of the family doc into KR doc
- The reclassification of the entire backfiles will be completed by the end of 2018.
 - This plan is 1 year faster than its original plan.

Reclassification due to revisions

- The reclassification due to CPC revisions will be conducted every year from this year.
 - When CPC revisions come into force YYYY, classification symbols are temporarily reclassified by way of 'Default transfer', then they would be intellectually reclassified in YYYY+1.
- * The symbols would be given 'D'(used internally) as 'source of classification data' values.

Classification of PCT applications

- Since Jun 2016
- First, assigning CPC to PCT applications
- Second, matching with IPC (CPC-IPC Concordance Table)

Quality Assurance Process

under the CPC system at KIPO

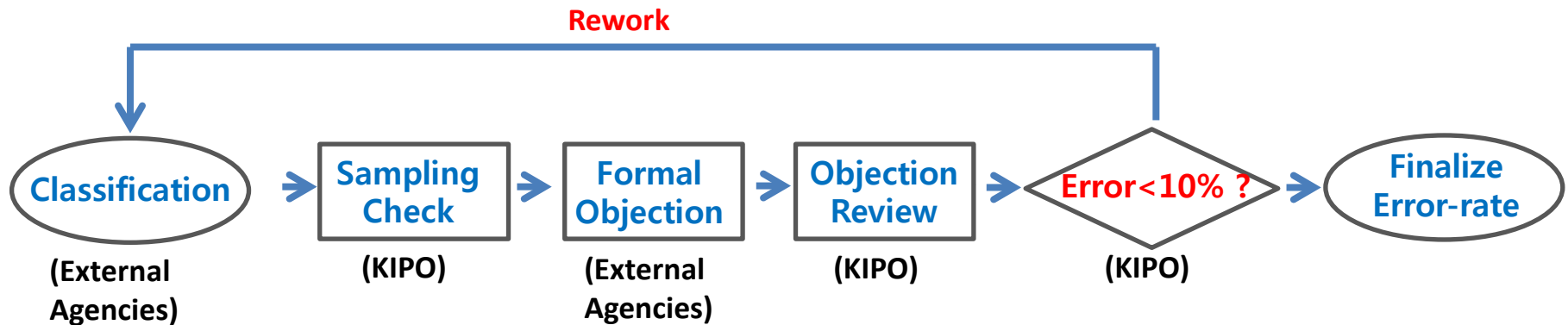
Quality assurance processes

◆ Documents under examination

- 👉 Examiners can add/delete/amend classification symbols on the documents under their examination

◆ Backfile reclassified by external agencies

- 👉 Classification results by each classifiers are sampled every month, and evaluated by the TF team of examiners



CPC Training

CPC Training at KIPO

◆ Regular CPC training for examiners

- In 2017 : respectively in March and September, 20 attendants
- In 2018 : 28 February, 21 September

◆ Support on-line learning

- KIPO Academy website

CPC Training at EPO, USPTO

In 2017

- ◆ EPO
 - 1st (EPO Munchen, 23 April – 14 May) 6 Examiners, 5 Classifiers
 - 2nd (EPO Hague, 11– 29 September) 6 Examiners, 4 Classifiers
- ◆ USPTO
 - 1st (Alexandria, 28th May – 18th June) 5 Examiners
 - 2nd (Alexandria, 27 November – 15th December) 6 Examiners

In 2018

- ◆ EPO
 - 1st (EPO Munchen, 14 April – 4 May)
 - 2nd (EPO Hague, October)
- ◆ USPTO
 - 1st (Alexandria, November)

CPC Implementation

New classification scheme

- we have suggested a IPC revision in the area of Artificial Intelligence and 3D printing.
- This year we'll make another revision suggestion for the technology of big data, cloud computing, and intelligent robots.
- Korea has already prepared a tech-tree and new classification scheme for those technology areas, And started applying them to the applications domestically filed

◆ Benefit by the CPC

- ☞ Improvement of the efficiency of searching prior arts, especially for patent documents from the other offices like EP, US

◆ Translation of the CPC materials into Korean

- ☞ CPC schemes are translated into Korean every CPC revisions, but definitions are provided in English

◆ Challenges while implementing the CPC

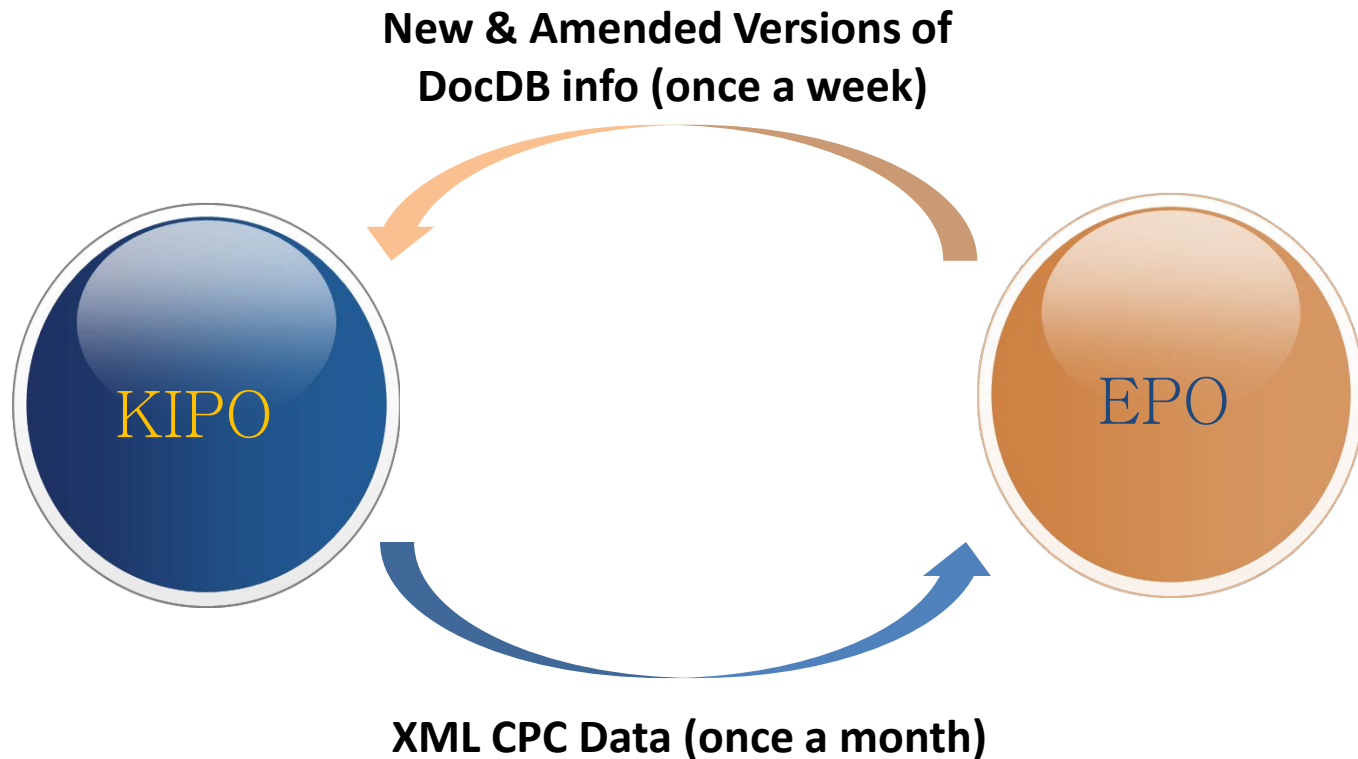
- ☞ Difficulty of CEF access
- ☞ Questions about unclear scope of several symbols and scope overlap between symbols
- ☞ Management of two classification systems(CPC, IPC)

CPC Data Exchange

CPC Data Exchange

'14.06 : MOU relating to CPC (KIPO-EPO Heads Meeting)

'15.07 : 1st uploading (141,000 applications, 170MB)



CPC Data Exchange

Year	2015	2016	2017	2018.1.
The number of documents	177,184	385,086	1,378,030	12,455

EPO sends regular reports on CPC data loading so that KIPO takes action on the identified errors.

Thank You



Korean Intellectual Property Office