



特許情報検索に関する EPO, DPMA, PDG 訪問代表団

2016年度 情報検索委員会

6月21日(火) 関東部会

6月28日(火) 関西部会



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◆ 訪問先

– 71st PDG IMACT Meeting

– EPO

– Hoffmann Eitle法律事務所

– ドイツ特許庁

◆ トピックス

◆ 今後の展望

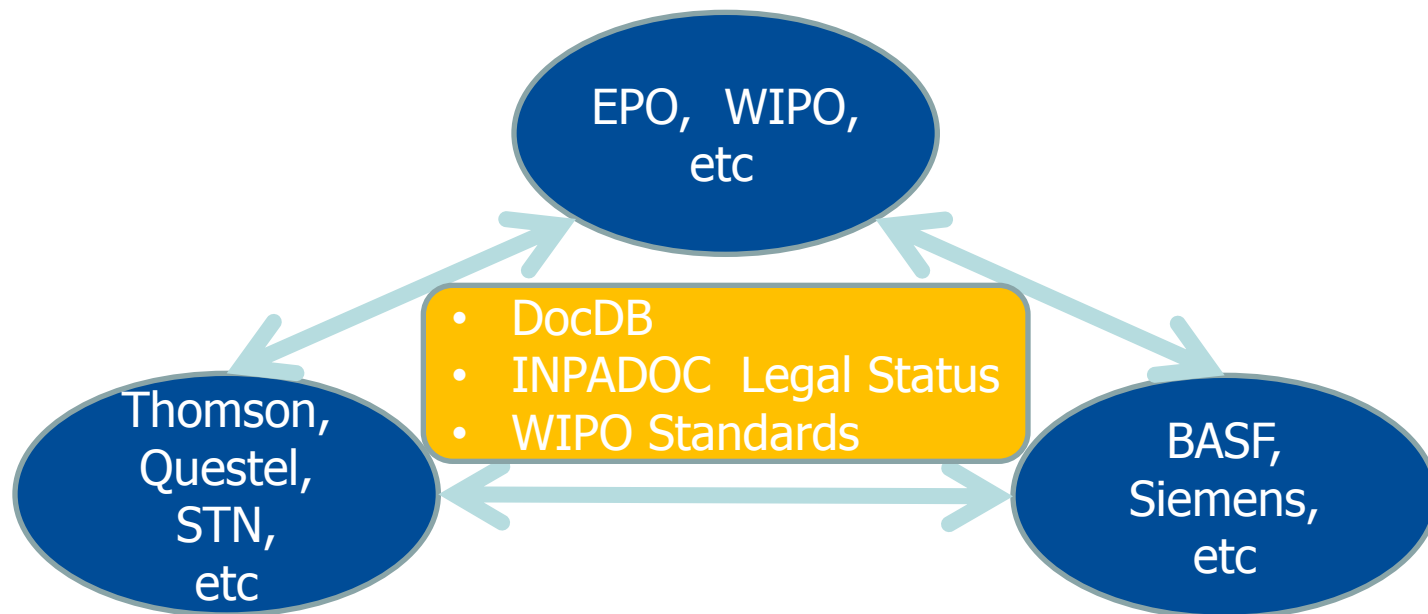


背景



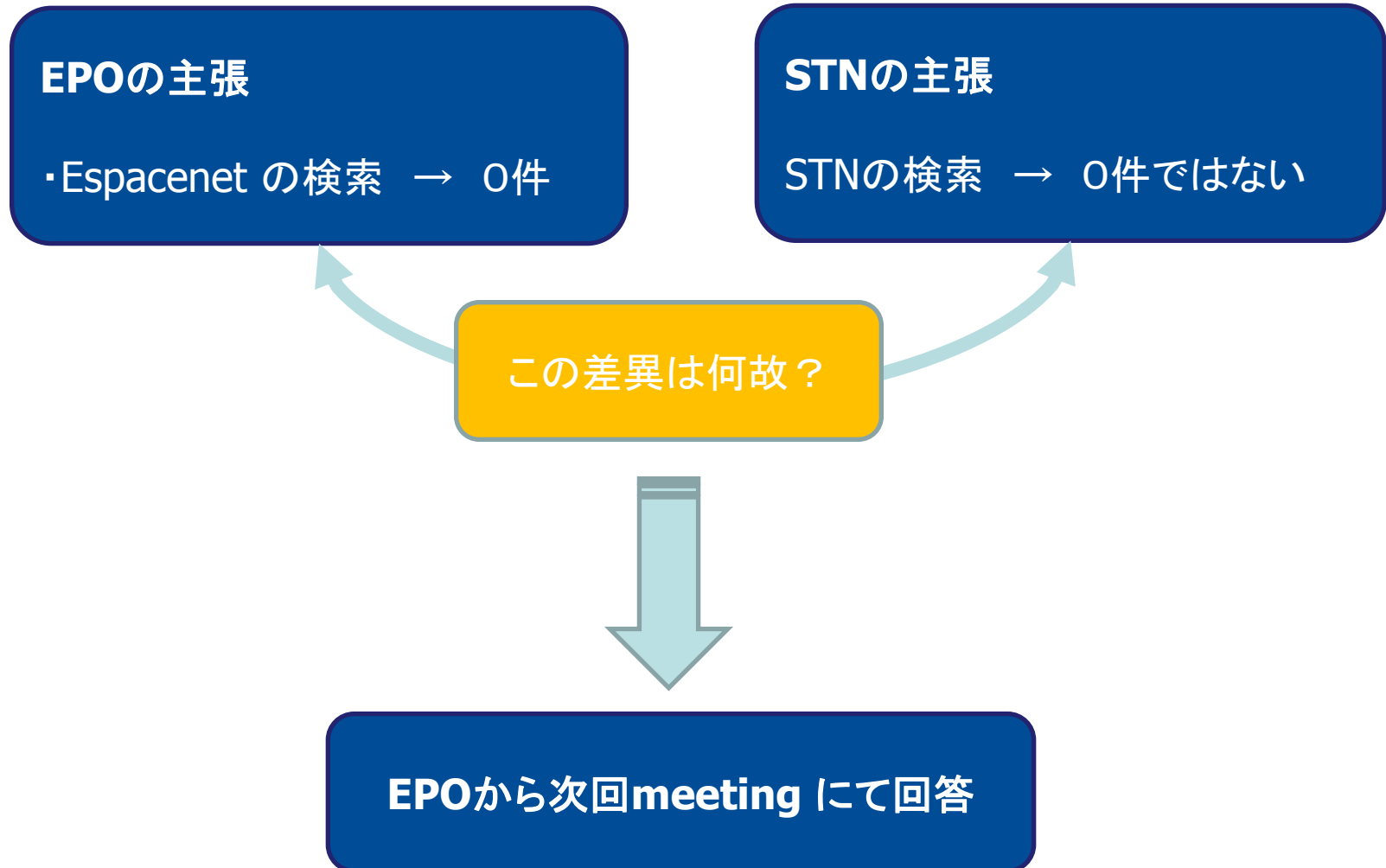
PDG IMPACT Group との協力関係

- ◆ 欧州の特許ユーザーの団体
- ◆ 各庁、DBベンダー、ユーザー間の意見交換会
 - 特許情報のサーチ可能性を追求
- ◆ 過去2回参加
 - 特許分類の調和について提言





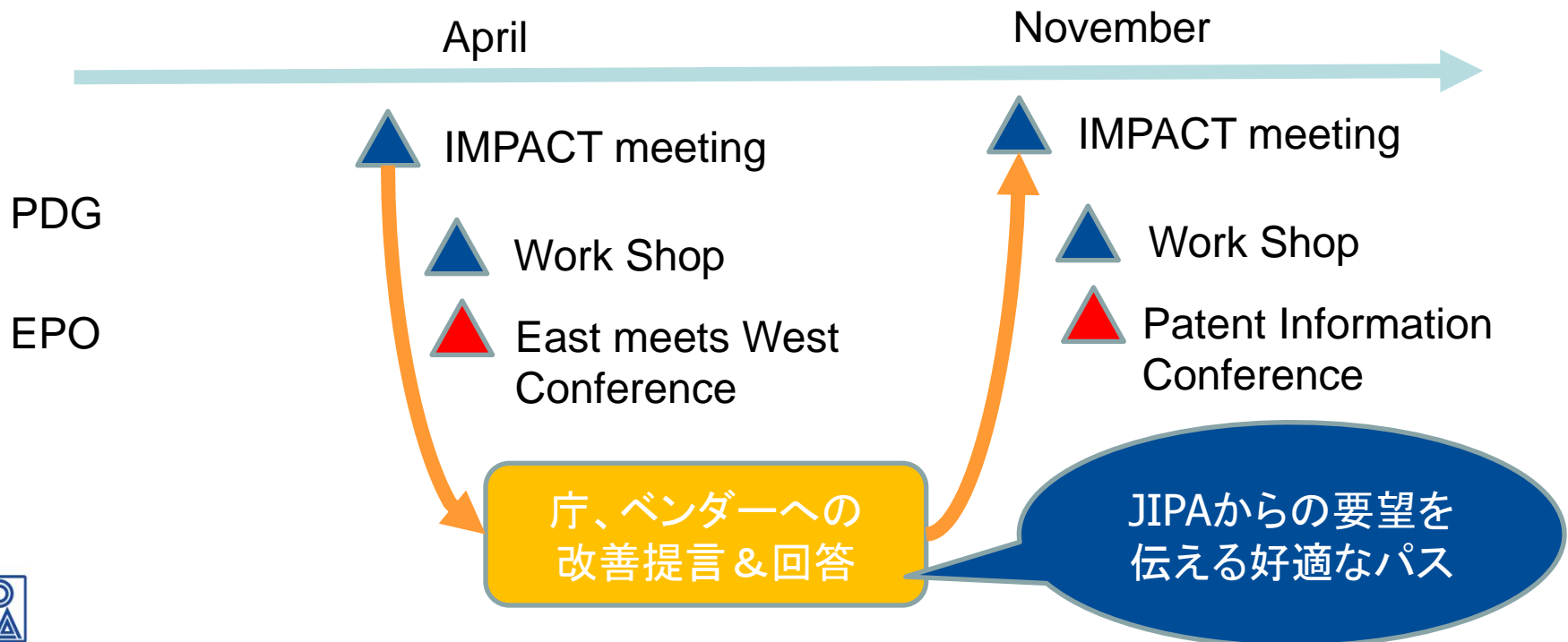
◆ CPCスキーム改正で消滅した分類の検索差異





PDG IMPACT Group の活動

- ◆ 年2回のサーチに関するワークショップ
– EPO主催のカンファレンスにて
- ◆ ワークショップに向けたサーチ環境の改善
– 各庁、DBベンダーへの改善提言





JIPAからの要望が実現した例

◆ CPC⇔FI統計的コンコーダンス by EPO

The screenshot shows the EPO website's 'Cooperative Patent Classification (CPC)' page. The left sidebar contains a navigation menu with 'CPC' highlighted in a red circle. The main content area includes a search bar, navigation tabs, and a table of CPC sections. A table on the right displays the mapping between FI and CPC codes for the B65G61/00 class.

FI	CPC-1	CPC-2	CPC-3
B65G61/00 (216)	B65G61/00 (56, 26%)		
B65G61/00&100 (246)	G06Q30/06 (34, 14%);	G06Q10/087 (27, 11%);	G06Q10/06 (24, 10%)
B65G61/00&200 (44)	G06Q10/087 (19, 43%)		
B65G61/00&210 (38)	G06Q10/087 (16, 42%)		
B65G61/00&300 (137)	G06Q10/06 (42, 31%)		
B65G61/00&310 (18)	G06Q10/06 (3, 17%);	G05B19/41865 (2, 11%);	G06Q10/087 (2, 11%)
B65G61/00&312 (5)	G06Q10/087 (3, 60%);	G06Q10/08 (2, 40%)	
B65G61/00&320 (158)	G06Q10/06 (60, 38%)		
B65G61/00&330 (4)	G05B19/4183 (2, 50%);	G06Q10/06 (2, 50%)	
B65G61/00&332 (8)	G06Q10/06 (3, 38%);	G06Q10/087 (3, 38%)	



訪問先



PDG 71st PDG IMACT Meeting

- ◆ 日程: 2016.4.14 ~15
- ◆ 場所: Hotel Mercure Den Haag Central (オランダ・ハーグ)
- ◆ 参加者: EPO、WIPO、各国特許庁、欧州企業、ベンダー等から46名



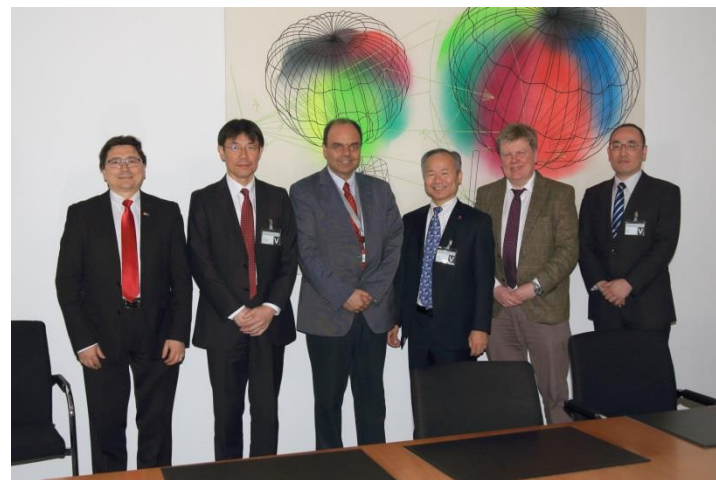
◆ JIPAからの提言

- CPC
- 譲渡情報





- ◆ 日程: 2016.4.15
- ◆ 場所: EPO (オランダ・ハーグ)
- ◆ 面談先: Mr. Marios Sideris、Mr. Pierre Held、Mr. Peter Swaren (いずれも特許分類担当者)
- ◆ 統計的マッピングへの要望





- ◆ 日程: 2016.4.18
- ◆ 場所: Hoffmann Eitle法律事務所(ドイツ・ミュンヘン)
- ◆ 面談先: Mr. Christopher Furlong、Dr. Joachim Renken、Dr. Dirk Schüßler-Langeheine、Dr. 松澤美恵子
- ◆ Unitary Patentを踏まえて、欧州を中心とした今後の知財動向





ドイツ特許庁

- ◆ 日程: 2016.4.19
- ◆ 場所: ドイツ特許庁(ドイツ・ミュンヘン)
- ◆ 面談先: Mr. Hubert Rothe (Head of Division 2.1, Information Services for the Public)、Mr. Thomas Plarre (Patent examiner, patent division 1)
- ◆ ドイツ特許庁の譲渡情報に関する整理、検索の仕様について詳細を確認



トピックス



◆ CPCに関する提言活動の概要

FIユーザーのCPC利用環境の改善に向けて



CPC ⇔ FI 統計的コンコーダンスの改善提案

- ① 有用性検証結果の紹介
- ② さらなる有用性向上に向けた要望

PDG IMPACT Meeting

欧州の主要な機関、企業、ベンダー等が集まる中で、プレゼンテーションを通して課題を共有し、EPOへの改善を依頼した

EPO訪問

EPOの分類担当者と具体的なディスカッション



◆ CPC ⇔ FI 統計的コンコードانسの有用性

分類対照ツール(JPO提供)

- 分かりやすく便利
- 必ずしもFIとCPCが一致するわけではない



CPC ⇔ FI 統計的コンコードانس(EPO提供)

- 分類対照ツールの弱点を補完可能



◆ CPC ⇔ FI 統計的コンコーダンスの有用性

IPC/CPC/FI Parallel Viewer (JPO)

The concordance among IPC/CPC/FI

- in Japanese
- keyword search available

☆ Scheme parallel viewer ☆ [concordance ver.](#) [rawdata download](#)

CPC ▼ G01N33/53 [Display] [Clear] Sample: G06F3 or G06F3/ or G06F3/00 or G06F3

IPC JP EN Both non-display symbol only
 FI JP EN Both non-display
 CPC EN JP Both non-display

Keyword Search [] [Display] [Clear]

FI IPC CPC

Display ipc level only: Off On
 FI without same-symbol IPC: display off
 FI dot pattern: pattern1 pattern2
 IPC doc number: On Off
 FI doc number: On Off
 CPC doc number: On Off

IPC			FI			CPC										
G01N 33/53	...	免疫分析:生物学的特異的結合分析;そのための物質 [4]	Immunoassay; Biospecific binding assay; Materials therefor	52301docs	G01N 33/53	...	免疫分析:生物学的特異的結合分析;そのための物質 [4]	Immunoassay; Biospecific binding assay; Materials therefor [4]	348docs	2G045	HB	G01N33/53	...	Immunoassay; Biospecific binding assay (preparations containing antigens or antibodies for therapeutic purposes A61K39/00; haptens in general, see C07; proteins in general C07K)	免疫分析:生物学的特異的結合分析;そのための物質(治療目的とする抗原または抗体を含む) A61K39/00; ハプテン一般を参照; タンパク質一般C07K)	1428docs
					G01N 33/53 A	...	ステロイドまたはステロイドホルモン	Steroid or steroid hormone	264docs	2G045	HB	G01N33/5302	...	[Apparatus specially adapted for immunological test procedures]	{免疫学的検査手順に特に適合する装置}	696docs
					G01N 33/53 B	...	タンパク質ホルモン, ポリペプチドホルモン	Protein hormone, polypeptide hormone	494docs	2G045	HB	G01N33/5304	...	[Reaction vessels, e.g. agglutination plates or solid-phase systems G01N33/543]	{反応容器, 例, 凝集板(固相システム用G01N33/543)}	316docs
					G01N 33/53 C	...	HCG	HCG	140docs	2G045	HB	G01N33/5306	...	[Improving reaction conditions, e.g. reduction of non-specific binding]	{反応条件を改善するもの, 例, 非特異的結合の低減, 特異的結合の促進}	509docs
					G01N 33/53 D	...	タンパク質, ポリペプチド	Protein, polypeptide	12463docs	2G045	HB	G01N33/5308	...	[for analytes not provided for elsewhere, e.g. nucleic acids, uric acid, worms, mites]	{他では提供されない分析物質, 例, 核酸, 尿酸, 虫類, タニ類, のためのもの}	1632docs

http://www.jpo.go.jp/cgi/cgi-bin/search-portal/narabe_tool_e/narabe_e.cgi

English Japanese





◆ CPC ⇔ FI 統計的コンコーダンスの有用性

The difference between CPC and FI

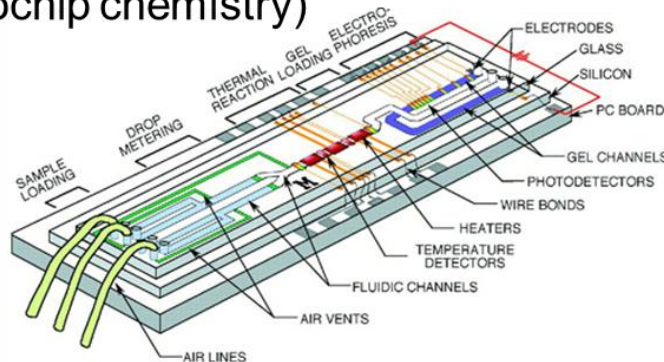
FI

CPC

G01N 37/00	Details not covered by any other group of this subclass [3]	286件	2G058	HB	G01N37/00	Details not covered by any other group of this subclass	82件
G01N 37/00 101	Analysis technology referring to mu-TAS(microchip chemistry)(New, Apr. 2000)	5960件	2G058	HB	G01N37/005	Measurement methods not based on established scientific theories	87件
G01N 37/00 102	Array type sensor based on peculiar reaction(New, Apr. 2000)	6090件	2G058	HB			
G01N 37/00 103	Analysis technology referring to high throughput screening(New, Apr. 2000)	439件	2G058	HB			

G01N37/00 101

Analysis technology referring to μ -TAS (microchip chemistry)

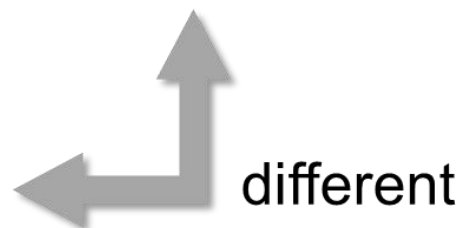


μ -TAS: micro-Total Analysis Systems

<http://lsi.epfl.ch/page-13122.html>

G01N37/005

Measurement methods not based on established scientific theories



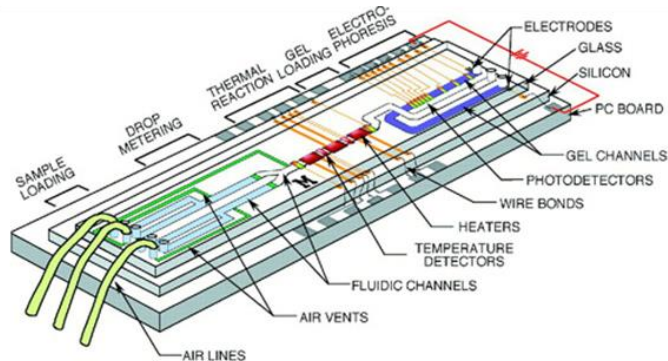


◆ CPC ⇔ FI 統計的コンコーダンスの有用性

The difference between CPC and FI

CPC

B01L3/50	▪	Containers for the purpose of retaining a material to be analysed, e.g. test tubes
B01L3/502	▪▪	with fluid transport, e.g. in multi-compartment structures
B01L3/5027	▪▪▪	by integrated micro-fluidic structures, i.e. dimensions of channels and chambers are such that surface tension forces are important, e.g. lab-on-a-chip



μ -TAS \approx lab-on-a-chip



◆ CPC ⇔ FI 統計的コンコーダンスの有用性

The results of search using the mapping tool

Go to classification place

A | B | C | D | E | F | G | H | Y

FI	CPC	CPC-2	CPC-3
G01N37/00&101 (1035)	<u>B01L3/502715</u> (122, 12%);	<u>B01L3/50273</u> (110, 11%);	<u>B01J19/0093</u> (98, 9%)

G01N37/00 101
 Analysis technology referring to **μ-TAS** (microchip chemistry)

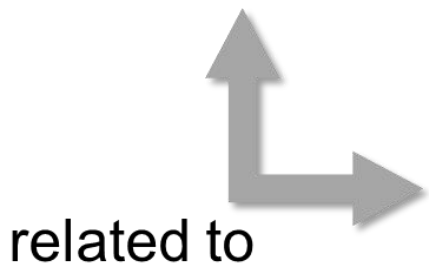
B01L3/50 · Containers for the purpose of retaining a material to be analysed, e.g. test tubes

B01L3/502 · · · with fluid transport, e.g. in multi-compartment structures

B01L3/5027 · · · by integrated micro-fluidic structures, i.e. dimensions of channels and chambers are such that surface tension forces are important, e.g. **lab-on-a-chip**

B01L3/502715 · · · · characterised by interfacing components, e.g. fluidic, electrical, optical or mechanical interfaces

B01L3/50273 · · · · characterised by the means or forces applied to move the fluids



This tool is capable of compensating the Parallel Viewer.





◆ CPC ⇔ FI 統計的コンコーダンスの改善要望

- ・最新のFIへの対応依頼
- ・“NOMAP”の低減要望

Go to classification place

[A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#)

Page 1 of 1

FI	CPC-1	CPC-2
G01N24/14 (11)	H01J49/38 (6, 55%)	
G01N24/14&A (1)	NOMAP	
G01N24/14&B (1)	NOMAP	
G01N24/14&Z (1)	NOMAP	



◆ 最新のFIへの対応依頼

We confirmed the FI coverage of the statistical mapping tool.

Date	Number of entries for revision			Statistical Mapping (FI to CPC)	
	Deleted	Changed	New	Implemented	To be implemented
May-13	45	177	297	297	0
Nov-13	12	670	53	53	0
Apr-14	90	125	505	505	0
Nov-14	517	307	337	0	337
Apr-15	742	173	351	0	351

Not covered

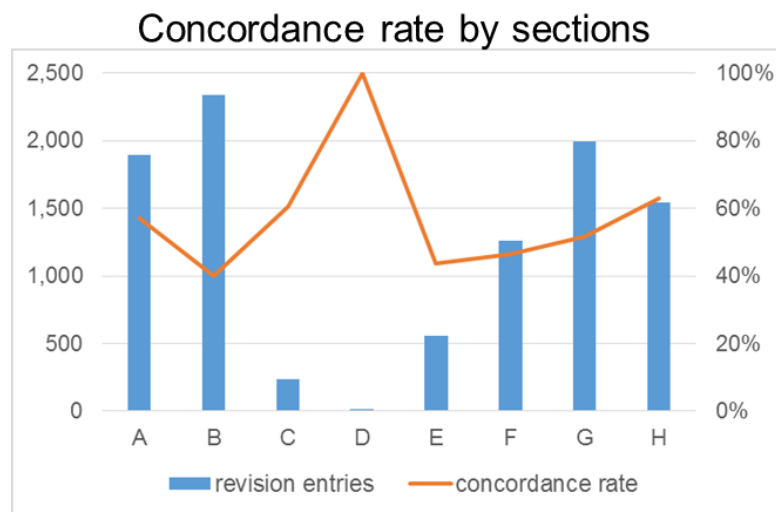
Above data are regarding to H section



◆ 最新のFIへの対応依頼

The history of FI revisions and the concordance rate between CPC and revised FI

Date of FI revision	Number of FI entries	Concordance rate (revised FI – CPC)
Apr. 2013	585	72%
Nov. 2013	389	65%
Apr. 2014	2,304	45%
Nov. 2014	2,808	61%
Apr. 2015	3,004	55%
Nov. 2015	1,728	35%
Total	10,818	50%



Not covered by the statistical mapping

- Recent FI revision: high pace
- Discordance between CPC and revised FI: about 50%

We are looking for regular updates in order to keep a satisfactory coverage of the latest FI.



◆ “NOMAP” の低減要望

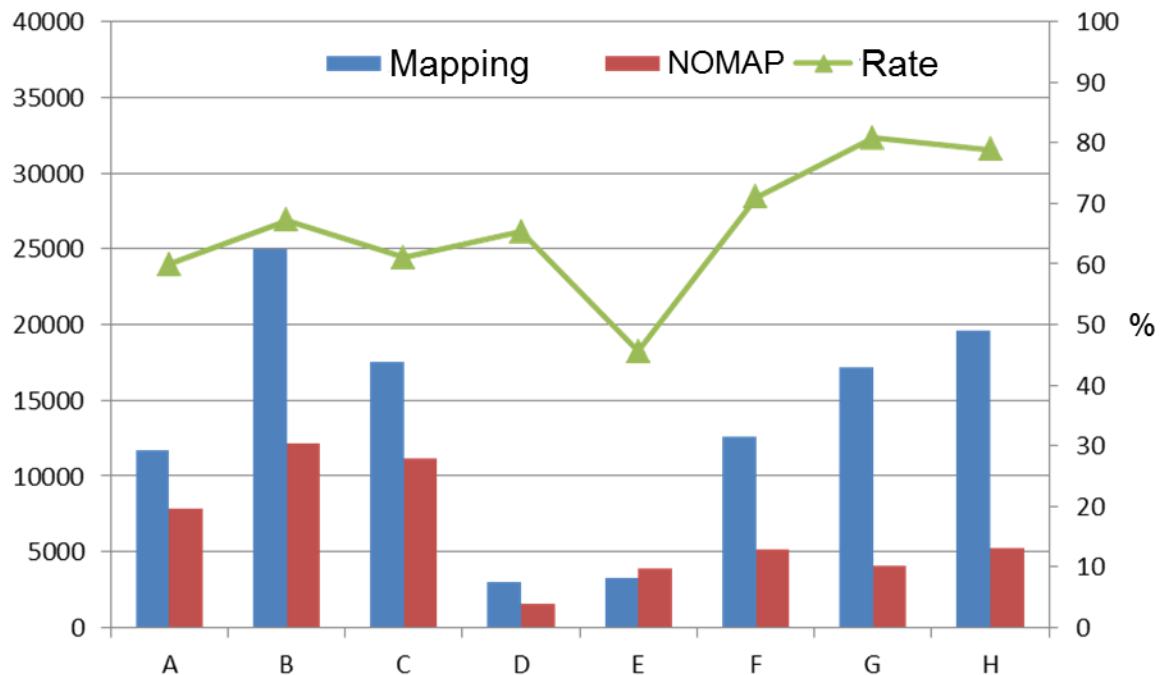
The impact of “NOMAP” results

Total number of FI: 188,022

Mapping results: 125,736

“NOMAP” results: 62,286

Mapping rate: 66.9%



We are looking for a decrease in “NOMAP” results and an increase in corresponding FI-CPC results.



◆ CPCに関する提言活動のまとめ

統計的マッピングへの最新のFI改定の反映を提案

- EPOは統計マッピングを年に4回更新しており、年に2回のFI改正には対応しているから多少のタイムラグはあるものの問題ないかと思われるが、確認する。
- 新設されたFIにも対応済みなのか、不明な点が新たに生じたため、再度追加で確認予定。
- 資料の中で示した改正されたFIとCPCとの一致率について、始めは低くても、特許庁間で調整するので、現時点の状況を再度確認してみると良い旨、コメントいただいた。

NOMAP(結果なし)の改善依頼

- 極端に付与数が少ない分類は表示されず(3ファミリー以下)、その結果NOMAPになる。
- FIとCPCとの調和が進むことでNOMAPの減少が期待される。
- 統計的マッピングは有用であるが、FIユーザーとしては、本質的には調和されることが第一であり、引き続き国際的に特許分類の調和が進むことが重要である。引き続き、JIPAとしても分類調和の状況把握、提言を行っていくべきと考えられる。



◆ 最新の動向 (普及状況)






◆ 最新の動向 (カバー率)

Country	Country Code	Number of documents (source: EPODOC on 14/04/2016)	Number of publications classified in CPC (family or document level)	% publications classified in CPC (family or document level)
EPO	EP	3,000,950	2,983,964	99,8%
United States	US	11,657,732	11,330,666	97,2%
Austria	AT	1,001,972	646,770	64,5%
Belgium	BE	585,582	551,539	94,2%
Switzerland	CH	714,255	575,088	80,5%
Germany	DE	5,487,581	4,682,945	85,3%
France	FR	2,403,312	2,382,701	99,1%
United Kingdom	GB	2,384,425	2,108,208	89,2%
Luxembourg	LU	61,613	60,580	98,3%
The Netherlands	NL	548,339	536,423	97,8%
ARIPO	AP	3,612	3,414	94,5%
Australia	AU	1,485,748	1,338,867	90,1%
Canada	CA	2,327,255	1,242,039	53,4%
OAPI	OA	13,432	13,190	98,2%
WIPO (PCT)	WO	2,826,540	2,816,654	99,7%



◆ 最新の動向 (カバー率)

 **CPC Coverage of other patent collections**
(EPODOC, Update 14 April 2016)

Country	Country Code	Number of documents (source: EPODOC on 14/04/2016)	Number of publications classified in CPC (family or document level)	% publications classified in CPC (family or document level)
Brazil	BR	589,893	347,431	61,0%
China	CN	10,809,342	2,086,380	19,7%
India	IN	81,613	45,874	56,2%
Japan	JP	17,263,154	4,409,968	25,5%
Korea	KR	3,088,148	1,087,984	35,2%
Russian Fed.	RU/SU	2,143,432	286,864	13,4%
Mexico	MX	253,499	229,369	90,5%
Chile	CL	11,434	8,360	73,1%
Czech Republic	CZ	88,383	42,383	48,0%
Denmark	DK	389,198	252,492	64,9%
Spain	ES	1,072,124	613,894	57,3%
Finland	FI	193,002	111,547	57,8%
Greece	GR	99,128	52,412	52,9%
Hungary	HU	116,457	71,516	61,4%
Norway	NO	199,853	170,415	85,3%
Sweden	SE	518,134	329,496	63,6%

Overall, 44.6 million documents classified in CPC



◆ 最新の動向（中国の状況）

	Year	Backfile documents to be classified in CPC	Frontfile applications to be classified in CPC
STATUS	2014	89 000	0
	2015	385 000	155 820
PLAN	2016	-	1 100 000
	2017	Depending on the availability of resources	All



◆ 最新の動向 (PCT出願に対する付与方針)



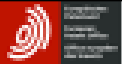
Intellectual Classification of WO publications in CPC by the EPO

Since January 2016, **WO** documents in languages other than EPO official languages, e.g. in **Japanese, Korean, Chinese or Russian**, are not intellectually classified in CPC by the EPO anymore

- IPC allocations provided by National Office are copied into CPC symbols
- Intellectual classification by the EPO still takes place for applications searched by the EPO, i.e. where family members are available in **English, German, French or Dutch**



◆ 最新の動向 (C-Setsについて)



C-Sets from National Offices in Espacenet (<http://worldwide.espacenet.com>)

Classification: - international: C09J201/00; C09J5/00; C09J7/02; H01L21/301

- cooperative default: C09J7/0207; H01L21/0838; H01L21/78; H01L24/27; H01L24/29; H01L24/83; C09J2201/08; C09J2203/328; H01L21/07132; H01L2221/08018; H01L2221/08327; H01L2221/08338; H01L2221/08359; H01L2224/27438; H01L2224/2819

CPCNO: C09J7/0207; H01L21/0838; H01L21/78; H01L24/27; H01L24/29; H01L24/83; C09J2201/08; C09J2203/328; H01L21/07132; H01L2221/08018; H01L2221/08327; H01L2221/08338; H01L2221/08359; H01L2224/27438; H01L2224/2819

C-sets: - H01L2224/2819; H01L2924/0665; H01L2924/00;
 - H01L2924/0665; H01L2924/00;
 - H01L2924/0132; H01L2924/0131; H01L2924/0133; H01L2224/73285;
 H01L2224/32225; H01L2224/48227; H01L2924/0012; H01L2924/35311;
 H01L2224/73285 %?; H01L2224/32225 %?; H01L2224/48227 %?; H01L2924/00;
 - H01L2224/92247; H01L2224/73285;
 - H01L2224/32225; H01L2224/48227; H01L2924/00;
 - H01L2924/0512; H01L2924/00

+ less

Past:

- only C-Sets from EPO/USPTO were displayed
- C-Sets not searchable

Since 15 March 2016:

- Also C-sets from CPCNO Offices are **displayed** ...
- ... and **searchable** in "Smart search" by using "cpcC"

Espacenet: free access to the database of over 90 million patents

Smart search: Siemens EP 2007

Clear



◆ 最新の動向（各国官庁による付与データ）

CPC-INT: current picture

		document level (CPCNO)	family level (CPC)
INPI Brazil	BR9910073	H01R 12/71; H01R 13/6581	H01R 12/71 H01R 13/6581
SIPO	CN1306684	H01R 13/65	
EPO	EP1075714	H01R 12/71; H01R 13/6581	
UKIPO	GB2353908	H01R 12/73	
KIPO	KR20010071195	H01R 13/6581	
PRV	SE0003892	H01R 13/6581	
USPTO	US6206729	H01R 12/71; H01R 13/6581	



◆ 最新の動向 (各国官庁による付与データ)

CPC-INT: future picture

document level
(CPCNO)

↓

family level
(CPC)

↓

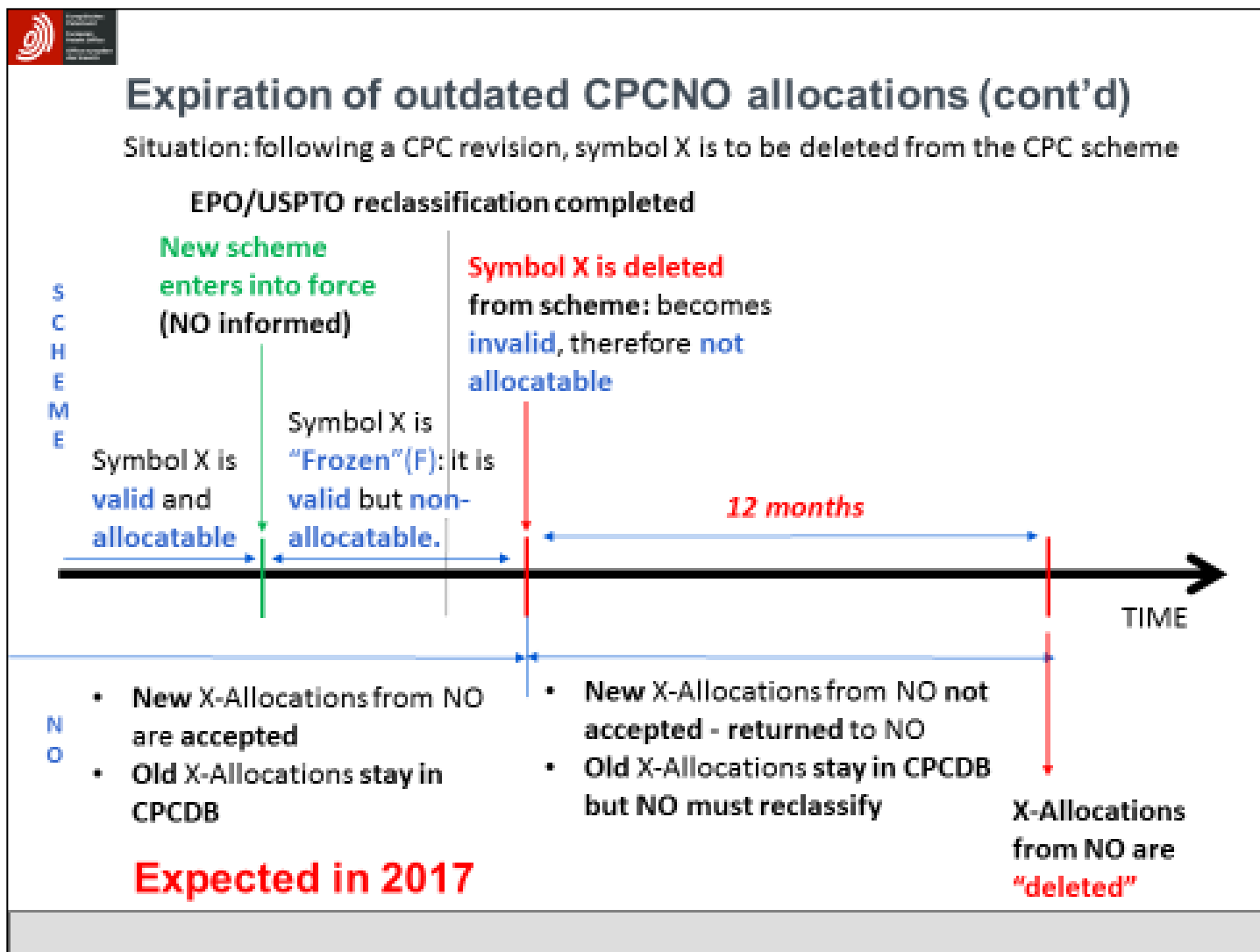
INPI Brazil	BR9910073	H01R 12/71; H01R 13/6581	<p>H01R 12/71 (EP, US, BR) H01R 13/6581 (EP, US, SE, KR) H01R 13/65 (CN) H01R 12/73 (GB)</p>
SIPO	CN1306684	H01R 13/65	
EPO	EP1075714	H01R 12/71; H01R 13/6581	
UKIPO	GB2353908	H01R 12/73	
KIPO	KR20010071195	H01R 13/6581	
PRV	SE0003892	H01R 13/6581	
USPTO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

Expected by the end of 2017

H01R 12/73 (GB)



◆ スキーム改変で消滅する分類の扱い





讓渡情報

◆ 情報整備の国際調和を要望

		Before Grant		After Grant	
EU	EP	RAP1		RAP2	
	DE	8127		8327	
		R081			
JP		A711	A712	R313113 R313114 R313118 R313117	R313111 R313115 R313121 R313122
		A711		S111	
CN		12 (专利申请权、专利权的转移)			
		ASS			
US		U.S. Assignment			
		AS			
source		INPADOC Legal Status		Law Information in each Office	



Example in exception

Address changed is recorded with the same transfer code

EP1485400

Event date :	2005/06/29	@ESPACENET
Event code :	RAP1	
Code Expl.:	TRANSFER OF RIGHTS OF AN EP APPLICATION	
NEW OWNER :	ISIS PHARMACEUTICALS, INC.	

ISIS PHARMACEUTICALS, INC.
2292 Faraday Avenue Carlsbad, CA 92008 / US

↓

Isis Pharmaceuticals, Inc.
1896 Rutherford Road Carlsbad, CA 92008 / US

Event date :	2011/09/28	@ESPACENET
Event code :	RAP1	
Code Expl.:	TRANSFER OF RIGHTS OF AN EP APPLICATION	
NEW OWNER :	ISIS PHARMACEUTICALS, INC.	

Isis Pharmaceuticals, Inc.
1896 Rutherford Road Carlsbad, CA 92008 / US

↓

Isis Pharmaceuticals, Inc.
2855 Gazelle Court Carlsbad, CA 92010 / US

EP Register	Applicant(s)	For all designated states Isis Pharmaceuticals, Inc. 2855 Gazelle Court Carlsbad, CA 92010 / US [2011.09]
	Former [2005/26]	For all designated states Isis Pharmaceuticals, Inc. 1896 Rutherford Road Carlsbad, CA 92008 / US
	Former [2004/51]	For all designated states ISIS PHARMACEUTICALS, INC. 2292 Faraday Avenue Carlsbad, CA 92008 / US

[Solution] To ignore when names between "FROM" and "TO" are the same (regarding as transfer code would not exist)





DPMA 譲渡情報

- ◆ 譲渡に関する情報について、DPMAregisterは「R081」という一つのコードで管理している。コードができる以前の案件も、遡って付与されている。従って、古い「8127」「8327」はDPMAのデータベースには存在しない。



PATENTSCOPE CHEMSEARCH

Outline of the presentation

1. Principle
2. Timeline



Patent Scope 化学構造式検索

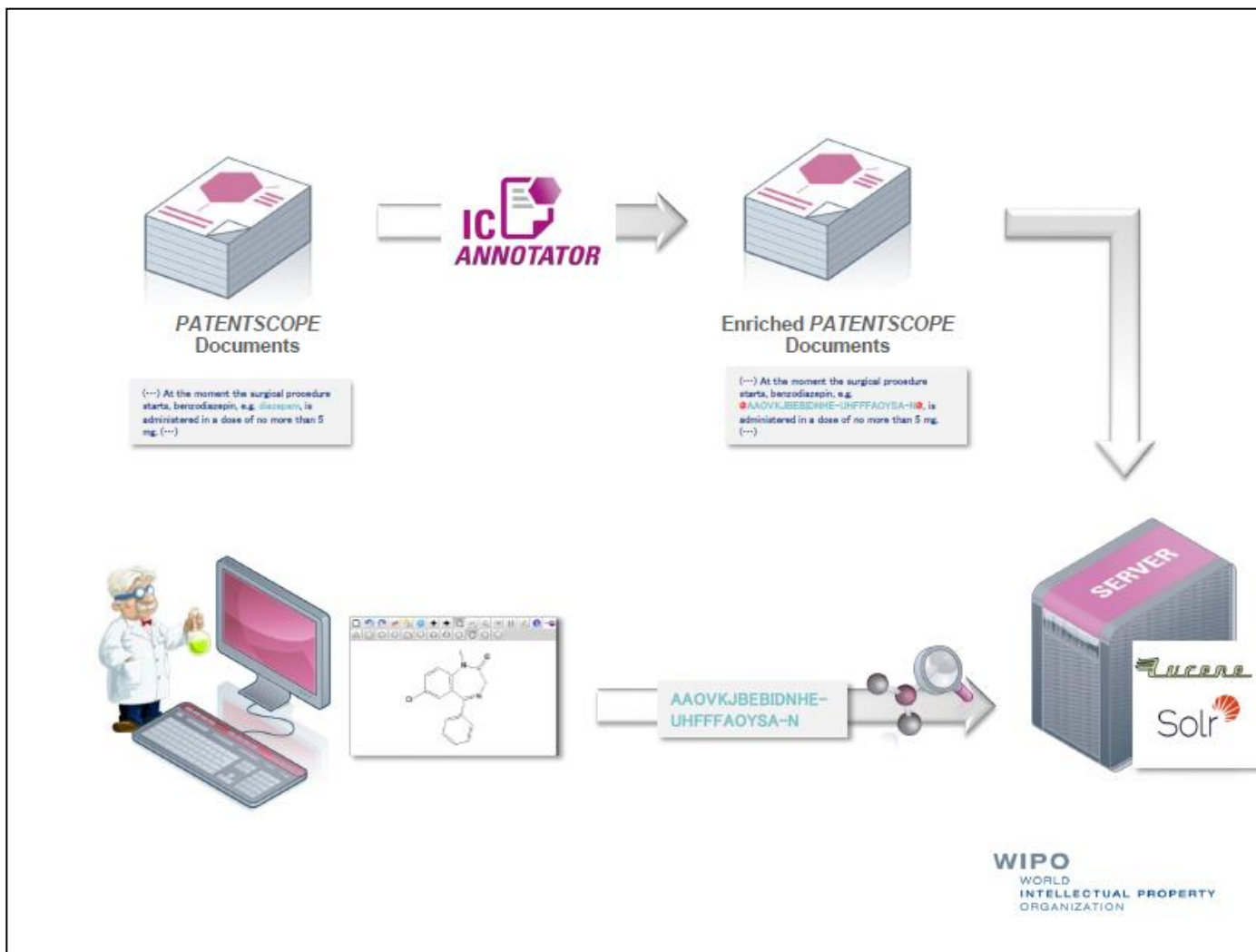
Principle

Add chemical compound search capabilities to WIPO's public free patent search system PATENTSCOPE

- Recognize chemical compounds in patent texts and from embedded drawings included in patent texts
- Standardize all the different representations of chemical structures into Inchikeys
- Implement search functions for Inchikeys that can be used by non chemists



Patent Scope 化学構造式検索

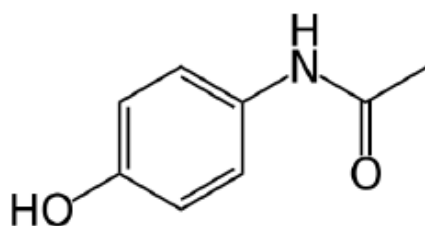




Standardization

IUPAC name

N-(4-hydroxyphenyl)acetamide



INN

paracetamol

Other names


Acetaminophen, panadol, tylenol, ...

RZVAJINKPMORJF-UHFFFAOYSA-N



Patent Scope 化学構造式検索

Chemical Search function


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Please draw the desired query structure here

Search Reset

Toolbox Help



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WORLD INTELLECTUAL PROPERTY ORGANIZATION

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Machine translation

5. (WO2015061521) EFFERVESCENT TABLET CONTAINING HIGH LEVEL OF ASPIRIN

PCT Biblio. Data Description Claims National Phase Notices Compounds Drawings Documents

Note: Text based on automatic Optical Character Recognition processes. Please use the PDF version for legal matters

EFFERVESCENT TABLET CONTAINING HIGH LEVEL OF ASPIRIN

FIELD OF THE INVENTION

This invention relates to effervescent formulations containing high amounts of aspirin, and to methods of making and using these formulations.

BACKGROUND OF THE INVENTION

Aspirin is one of the most recognized medicines in the world. The benefits of aspirin for pain, inflammation, and heart health have caused some writers to suggest that it may be the most successful over-the-counter medicine in history. Aspirin has been marketed in many different delivery systems, including compressed tablets (e.g., Bayer[®] aspirin tablets), powders (BC[®] and Goody's[®] powders), and effervescent tablets (Alka-Seltzer[®] tablets).

Aspirin has been combined with different active ingredients (e.g., aspirin/acetaminophen tablets) and acetaminophen (Excedrin[®] tablets), and it has been combined with various buffers (Bufferin[®], Alka-2[®], and Alka-1[®] tablets).

Aspirin has also been proposed for use in combination with other active ingredients, such as in U.S. Patent No. 4,491,574 (vitamin A) and U.S. Patent No. 5,770,215 (multivitamins). One of the most successful combinations is the combination of aspirin and ascorbic acid (Aspirin[®] Plus C), which was introduced in Europe over thirty years ago. Current dosing for Aspirin[®] Plus C is one to two tablets, with each tablet containing 400 mg aspirin and 240 mg vitamin C.

Despite aspirin's long history of success, it suffers from some manufacturing drawbacks. Aspirin is very hygroscopic and degrades quickly in a humid environment.

One method that one skilled in the art might employ to reduce the vulnerability of aspirin to degradation is to form a tablet having two or more layers, with aspirin in one layer and acidic or basic ingredients in another layer. These tablets require special handling and are more expensive to make than single layer tablets, and it can be difficult to ensure that the separate active ingredients are present at the proper levels in the tablet.

Effervescent formulations typically contain, in addition to one or more active ingredients, an acid source and a carbonate or hydrogen carbonate salt as the principal components of an effervescent couple. Prior efforts in formulating effervescent tablets containing aspirin have required excess amounts of alkaline substances, such as sodium carbonate, sodium bicarbonate, or sodium citrate to provide a highly soluble

acidum acetylsalicylicum



Timeline

- RFP published January 2015
- Contractor selected Mid Summer 2015
- Project kick off September 2015
- Project step 1 target delivery date: February 2016
- Target production date: July 2016

Scope of step 1: chemical compounds in PCT applications published in English or German

Next envisaged steps: other languages (Chinese, French, Japanese, ...)

Other patent collections: US, EP, JP, CN



WIPO Standards



■ **News from the Committee
on WIPO Standards (CWS)**
relevant standards for PDG/IMPACT

**The Hague,
the Netherlands**

Anna Graschenkova
Industrial Property Information Officer

**14-15 April,
2016**



WIPO Standards

Plan

- CWS/4BIS (March 21 to 24, 2016)
- PDG requests
 - Legal status
 - Patent registers
 - Information on entry and non-entry into national (regional) phase of international applications
- Other relevant decisions
 - ST.3 (country and organization codes)
 - ST.14 (citations)
 - ST.26 (sequence listings)
 - Authority file
 - CWS Surveys
 - Survey on the use of WIPO Standards
- Awareness about WIPO Standards
- WIPO Standards Workshop and TF meetings



ST.3 – Country and organization codes

- The revised ST.3 was published on April 11, 2016
- New two-letter codes:
 - “XX” to represent unknown states, other entities or organizations
 - “XV” for the Visegrad Patent Institute (VPI)
- Change of name:
 - OHIM to European Union Intellectual Property Office (EUIPO)
 - Same code “EM”

チェコ、ハンガリー、
ポーランド、スロバキ
アの国際特許機構



ST.14 – Citations

- Revision of ST.14 approved
- Categories indicating cited documents
 - Revised codes “E”, “O” and “P”

Category “E”: Earlier patent document as defined in Rule 33.1(c) of the Regulations under the PCT, published on or after the international filing date. Code “E” may be accompanied by one of the categories “X”, “Y” or “A”

Category “O”: Document referring to an oral disclosure, use, exhibition or other means. Code “O” should always be accompanied by one of the categories “X”, “Y” or “A”;

Category “P”: Document published prior to the filing date (in the case of the PCT, the international filing date) but ~~later than~~ on or after the priority date claimed in the application. Code “P” should always be accompanied by one of the categories “X”, “Y” or “A”;

早期登録

口頭開示の
参照

優先主張日後の
発行ドキュメント



ST.26 – Sequence listings

- “ST.26 – Recommended standard for the presentation of nucleotide and amino acid sequence listings using XML (eXtensible Markup Language)”
- Adopted by the CWS and will be published for information purposes
- Pending the recommendations for the transition from WIPO Standard ST.25 to the new WIPO Standard ST.26
 - Proposal should be presented at CWS/5
 - ST.25 continue to be used

ヌクレオチド、アミノ酸配列のXML表記



KIPO 類似特許サーチ

Korea: New tool for searching similar patents on Korean KIPRIS interface

Searching patents and utility models similar to a reference document

The screenshot shows the KIPRIS search interface with the following search criteria:

- 검색대상 (Search Target):**
 - 국내 (Domestic)
 - 일본지역 (Japan region)
 - 하이디어 (Hydride)
 - 특허 (Patent)
 - 실용 (Utility model)
- 검색범위 (Search Range):**
 - 출원일자 (Application date): [] ~ []
 - 등록일자 (Registration date): [] ~ []
 - 공개일자 (Publication date): [] ~ 20130724
- 검색방법 (Search Method):**
 - 공개번호(CPN) (Publication number): ex) 1020020012345
 - 등록번호(GN) (Registration number): ex) 100012345
 - 출원번호(SEQ) (Application number): 1020130087729
 - 문서내용 (Document content)

Additional annotations on the screenshot include:

- A green box labeled "Publication day" pointing to the date field.
- A red box around the date field "20130724".
- A yellow box around the application number "1020130087729".
- A green box at the bottom right containing the text: "Here: Search for Korean documents published before 24 July 2013 which are similar to the document 10-2013-0087729".





KIPO 類似特許サーチ

Korea: New tool for searching similar patents

Result list showing similarity of each search result with reference document in %

Total 100 Articles (※ 유사도가 높은 상위 100건의 데이터만 재장합니다)

[1] 식중독거름 배양주에 (유사도: 98.94)
 IPC: B60D93/02 B60D43/02 출원번호: 1020120004957 등록번호: 1020130084180 대리인: 광교관 송원인: 신문술 출원일자: 2012.01.16 등록일자: 2013.07.24 발명자: 신문술
[2] 방학장치 (유사도: 98.89)
 IPC: G03B13/02 출원번호: 1020120004977 등록번호: 1020130081666 대리인: 류미복허법인 송원인: 주미오시스템 출원일자: 2012.01.16 등록일자: 2013.03.25 발명자: 박계훈
[3] 조립식 구조물 (유사도: 98.853)
 IPC: E04B1/343 E04B1/38 출원번호: 2020120000384 등록번호: 2004720740000 공개번호: 2020130004564 대리인: 특허법인 풀 송원인: 주식회사전시테크 출원일자: 2012.01.16 등록일자: 2014.03.27 발명자: 김종국
[4] 관로에 설치되어 유체의 누수를 방지하는 배관용 피팅 (유사도: 98.853)
 IPC: F16L59/172 F16L59/119 출원번호: 2020120000402 등록번호: 2020130004571 대리인: 정홍식 송원인: 2삼현 출원일자: 2012.01.16 등록일자: 2013.07.24 발명자: 정홍식

Search for detailed info on a result by copying a number (here: application number) in the related search field of the English KIPRIS interface



SEARCH TOODRY KIPRIS PR GUIDE KIPRIS

Patent Design Trademark KPA

Search Query: Patent AN-[1020120004977]

Search History AN-[102120006... OPN]-10-2015-00... OPN-[102020012... AN]-[10201500025... AD]-30

Click [?] for more information

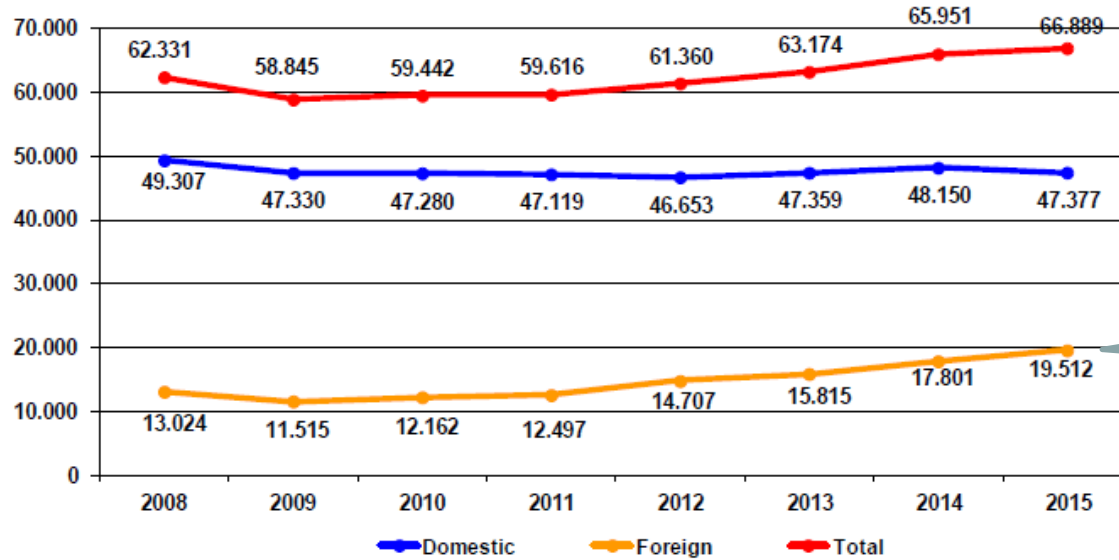
Result	<input checked="" type="checkbox"/> Patent <input type="checkbox"/> Utility model
Status	<input checked="" type="checkbox"/> Entire <input checked="" type="checkbox"/> Rejected <input checked="" type="checkbox"/> Registered <input checked="" type="checkbox"/> Ended <input checked="" type="checkbox"/> Invalidated <input checked="" type="checkbox"/> Withdrawn <input checked="" type="checkbox"/> Abandoned <input checked="" type="checkbox"/> Unexamined
Free Search (Full Text)	<input type="text" value=""/>
IPC	ex) G06Q = H06Q <input type="text" value=""/>
CPC	ex) G06Q <input type="text" value=""/>
NUMBER	Application No.(AN) <input type="text" value="1020120004977"/> Registration No.(GN) <input type="text" value=""/>
	Unex. Pub. No.(OPN) <input type="text" value="1020020012345"/> Publication No.(PN) <input type="text" value=""/>
Date	Pub. No. <input type="text" value=""/>
Text	Title of Invention (TL) ex) phone touch screen, electronic cash, cellular phone case abstract(AB) ex) car = clutch, "data signal" Claims(CL) ex) car = clutch, "data signal"
Name/Code/Address	Applicant(SPI) ex) Korea, 219990043221, Seoul/University <input type="text" value=""/> Inventor(s) <input type="text" value=""/> Agent(SAG) ex) KIMChuSoo, 919960000341, Seoul <input type="text" value=""/> Patent(FRS) Name <input type="text" value=""/>



German Patent and Trade Mark Office

Development of patent applications

DPMA direct applications and PCT national phase



外国人
增加





German Patent
and Trade Mark Office

DEPATISnet

- Additional classification fields in the result list configuration

IPCのメイン／サブを指定して検索できる。
これは審査官が情報を付加している。

Hide result list configuration

<input type="checkbox"/> Publication number	<input type="checkbox"/> Application date	<input type="checkbox"/> Publication date	<input checked="" type="checkbox"/> IPC main class	<input checked="" type="checkbox"/> IPC secondary / Index classes
<input checked="" type="checkbox"/> Reclassified IPC (MCD)	<input type="checkbox"/> Search file IPC	<input type="checkbox"/> Inventor	<input type="checkbox"/> Applicant/Owner	<input type="checkbox"/> Title
<input type="checkbox"/> Abstract				

Search list sorted by

Results/page



- ◆ 欧州統一特許(UP)とドイツ特許の二重登録は許され、両方の裁判所での係争もOK。
- ◆ 例えばsiemensのような欧州の企業は重要な特許をUP登録するから、それらを分析するのは重要である。
- ◆ 2017年にスタートする鍵は6月のBrexitの行く末次第



◆ espacenet でのUP エフェクトのモック画面の紹介。EP出願に青いマークが付加表示される。UP エフェクトの情報は商用DBにも提供される。

The screenshot shows the Espacenet Patent search interface. At the top, there is a navigation bar with the Espacenet logo and language options (Deutsch, English, Français). Below this is a search bar and a navigation menu with options like 'Search', 'Result list', and 'My patents list (0)'. The main content area displays search results for the query 'micro processor'. The results are sorted by 'Upload date' in 'Descending' order. Three results are visible, each with a star icon indicating a patent application (EP). The first result is 'EASILY MANAGED ELECTRONIC CABINET LOCK' by VEMUS ENDUSTRIYEL. The second is 'Laser metrology system and method' by SAINT CLAIR. The third is 'Micro server, method of allocating MAC address, and computer readable recording medium' by RYU HA-UK.

Item	Inventor	Applicant	CPC	IPC	Publication info	Priority date
1. EASILY MANAGED ELECTRONIC CABINET LOCK	DAYANIKLI MUSTAFA [TR] BUYUKYAZICI MUNIR [TR] (+1)	VEMUS ENDUSTRIYEL ELEKTRONIK SANAYI VE TICARET LTD SIRKETI [TR]	E05B47/0012 E05B47/0603 E05B47/0673 (+5)	E05B47/00 E05B47/06 G07C9/00 (+1)	EP 3000951 (A1) 2016-03-30	2014-09-24
2. Laser metrology system and method	SAINT CLAIR JONATHAN M [US] VOTH MITCHELL D [US] (+2)	BOEING CO [US]	G01B11/2441 G01B2290/45 G01B9/02027 (+2)	G01B11/24 G01B9/02	EP 2913630 (A1) 2015-09-02	2014-01-16
3. Micro server, method of allocating MAC address, and computer readable recording medium	RYU HA-UK [KR] LEE CHANG-SUNG [KR]	SAMSUNG ELECTRONICS CO LTD [KR]	G06F13/4022 G06F21/85 G06F9/455 (+2)	G06F13/40 G06F9/455 H04L29/12	EP 2892212 (A1) 2015-07-08	2014-01-06



◆ インド特許の公報番号が0詰めされて、12桁になった

Indian data – change of format from filings from January 2016

OLD

- Patent applications:
 - nnnnn/AAA/YYYY – national filings
 - nnnnn/AAANP/YYYY – PCT transfers
 - AAA is MUM, KOL, DEL and CHE (BOM, CAL, DEL, MAS for older documents)
 - nnnnn - digits
 - No publication numbers
- Granted patents: nnnnnn
- No patent kinds

NEW

- YYYYYJTNNNNNN
 - YYYY - Year of filing
 - J- single digit regional office (1 for Delhi, 2 Mumbai, 3 for Kolkata, 4 for Chennai)
 - T -Type of Application
 - 1 for Ordinary
 - 2 for Ordinary-Divisional
 - 3 for Ordinary-Patent of Addition
 - 4 for Convention
 - 5 for Convention-Divisional
 - 6 for Convention-Patent of Addition
 - 7 for PCT NP
 - 8 for PCT NP-Divisional
 - 9 for PCT NP-Patent of Addition
 - NNNNNN 6 digits common continuous running serial number applicable for all regional Offices in India



◆ サンプル

Indian data – new number format –examples of application numbers

National filing :

201611000561

(12) PATENT APPLICATION PUBLICATION	(21) Application No. 201611000561 A
(19) INDIA	
(22) Date of filing of Application : 07/01/2016	(43) Publication Date : 15/01/2016
(54) Title of the invention : HEM-LOCK	
(51) International classification : B62L 11/00	(71) Name of Applicant : 1) MAHENDER KUMAR
(31) Priority Document No : NA	Address of Applicant : 182/3 CHANDUWARA, WARD - 16,
(32) Priority Date : NA	NEAR CITY POST OFFICE, NARNAUL -124601 (DISTT.
(33) Name of priority country : NA	MAHENDERGARH) HARYANA Haryana India
(86) International Application No : NA	(72) Name of Inventor : 1) MAHENDER KUMAR
Filing Date : NA	
(87) International Publication No : NA	
(61) Patent of Addition to Application Number : NA	
Filing Date : NA	
(62) Divisional to Application Number : NA	
Filing Date : NA	

PCT filing
201617000049

(12) PATENT APPLICATION PUBLICATION	(21) Application No. 201617000049 A
(19) INDIA	
(22) Date of filing of Application : 01/01/2016	(43) Publication Date : 15/01/2016
(54) Title of the invention : GAS AND LIGHT PROOF , DOUBLE- SHELL BLISTER PACKS FOR MEDICINAL CONTENTS	
(51) International classification : B65D65/40, B65D75/32, B65B11/50	(71) Name of Applicant : 1) AMCOR FLEXIBLES
(31) Priority Document No : 113175849.2	Address of Applicant : Finkenstrasse 34, CH -8280
(32) Priority Date : 10/07/2013	Kreuzlingen Switzerland
(33) Name of priority country : EPO	(72) Name of Inventor : 1) BRANDL, Oliver
(86) International Application No : PCT/EP2014/064606	
Filing Date : 08/07/2014	
(87) International Publication No : WO 2015/094134	
(61) Patent of Addition to Application Number : NA	
Filing Date : NA	
(62) Divisional to Application Number : NA	
Filing Date : NA	



CN 2重出願

- ◆ 2014/9/1のCN出願データを見ると、10%が実用新案との二重出願

Chinese dual filing – case study

- Date of filing – 1st September 2014 (>18 months to publication)
- Pairs were identified based on similar titles on search results sorted on applicant and technology
- Out of **4208** patent and utility model applications filed on 1st Sep 2014 there are **389** pairs of utility models and patent applications that seem to describe the same invention

NB: there may be other pairs for which one or both of the pair did not reach the publication stage



CN 2重出願

◆ サンプル

Chinese dual filing – sample for date of filing 1st September 2014

A	B	C	D
CN204032669U	Novel portable multifunctional folding desk A one new portable multifunctional folding desk	A47B000300 A47B002304 F21V003300	Anhui University of Science and Technology,CN
CN204110198U	Parallel mechanism based complex road surface transfer robot One based on a complex road carrying robot of parallel mechanism	B62D0057032	Anhui University of Science and Technology,CN
CN104145872A	Complex road surface transfer robot based on parallel mechanisms One based on a complex road conveying robot of parallel mechanism	B62D0057032	Anhui University of Science and Technology,CN
CN104215319A	Dynamic range adjustable differential interferometer and measuring method A regulating differential interferometer and a method of dynamic range	G01H000900	Anhui University,CN
CN104197869A	System and method used for automatically detecting drilling rod length stress waves Used for drill rod length stress wave automatically detecting system and method	G01B001700 G01N002904 G01N002907	Anhui Urban Construction Design And Research Institute,CN
CN204107876U	Sorting machine used for sorting hard materials One for a hard material of sorting machine	B07C0005342	Anhui Weisong Photoelectric Technology Co. Ltd.,CN
CN104174596A	Sorting machine for sorting hard materials and sorting method thereof A one used for sorting sorting hard material a and a sorting method	B07C0005342	Anhui Weisong Photoelectric Technology Co. Ltd.,CN
CN204108794U	Steel strip surface dirt clearing mechanism One a steel belt surface dirt cleaning mechanism	B24B0027033	Anhui Xinke New Materials Co. Ltd.,CN
CN204111372U	Decoiling device for oily wastewater A one-containing oil waste water oil removing device	C02F000140	Anhui Xinke New Materials Co. Ltd.,CN
CN204065747U	Self-propelled hydraulic aerial cage data acquisition terminal Self-type high altitude operation vehicle data collecting terminal	G05B0019042	Anhui Yangling Technology Co. Ltd.,CN
CN204156532U	Battery charger protection circuit	H02H000720	Anhui Yangling Technology Co. Ltd.,CN
CN104366689A	Tobacco shred collecting cabinet joint device A tobacco collecting a silk cabinet joint.	A24C000539	Anhui Yitong Machinery Co. Ltd.,CN
CN204104834U	Tobacco shred collecting cabinet joint device A tobacco collecting silk cabinet one joint.	A24C000539	Anhui Yitong Machinery Co. Ltd.,CN
CN204116702U	Drug particle measuring discharging device A one traditional Chinese medicine granule a low material	B65D000116 B65D000106	Anhui Yoneshanetang Pharmaceutical Co. Ltd. CN



Quality Management

IMPACT's INPADOC Issues of High Priority

71. IMPACT Meeting, 14./15. April 2016

The Hague



Items of highest priority regarding quality and coverage of the INPADOC file

• JP data

Missing data: Appeal, divisional applications (only partly available via bibliographic information)

Completeness: Annual fee payment, backlog^{*)} (before 2004)

• KR data

Missing data: Trial decision, divisional applications (lack of application number of related applications)

Completeness: Gaps in the bibliographic data (mainly grants)

• Other main items

US PAIR data (withdrawal of applications)

MX Gaps, mainly grants (estimated 50 %)

TW Pre-grant legal status events^{*)}

INPADOCに欠落している
ので改善要望

^{*)} Data currently not available from the offices.



Items of highest priority regarding quality and coverage of the INPADOC file

- **PCT entry data missing**

PCT entry into national phase information INPADOC vs. Patentscope (23.03.2016)

- AU, CN, EA (11/2015), PL (09/2014): Patentscope has more recent PCT entry data to INPADOC
- PH, CU, IN, SG, TR, VN: no further distribution of data by WIPO allowed
- EP: PCT entry data not available from 2009 onwards, early unambiguous information required

- **Most important new countries/offices to be included in INPADOC**

IN, MY, PH, ID, TH, SG, VN

GCC, AE, IR

CL and other Latin American countries

Patentscope よりも
INPADOCがデータ少

ご清聴有難うございました

～世界から期待され、世界をリードするJIPA～



一般社団法人日本知的財産協会

