PATENTSCOPE: what's new?

Speaker: Christophe Mazenc,

Director, Global Databases Division, Global Infrastructure Sector

EPOPIC 2018 - Brussels, November, 2018

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Patent Information news

- Full text
- PATENTSCOPE coverage
- Chemical compounds search

About full text

- In the last 16 months, WIPO and EPO joined forces in order to achieve faster results in the Quality at source project

- Goal: assist patent offices in producing high quality full text for their front file publication in their country language to obtain searchable and machine translatable patent information (Espacenet, PATENTSCOPE)

- How: WIPO puts at disposition to member states its internal OCR / PDF handling technology and WIPO and EPO together train offices to set it up and start production

About full text

- 17 European offices trained so far (CH, BA, BE*, BG, CY, DK, EE, ES, FI, GR, LT, LV, MT, NO, RO, RS, SE, SK)

- In operations: Front file full text data received from Denmark, Italy, Romania and Greece

- Next: train Latin American Countries (collaboration EPO, SPTO, WIPO)

About full text

RIVENDICAZIONI

1) Il device indossato dallo studente, consente
suo stesso punto di vista e pertanto di p
valutazioni accurate e capire meglio l'azione de
2) Il sistema è caratterizzato dal fatto che fa
permettono una interattività completa, in form
aumentata, docente/studente su due canali.
video ed audio, è possibile anche lo scambio
immagini modificate su fermo-immagine realizz
studente;
3) la possibilità per gli studenti, di rivedere le le
commenti del docente
4) potere gestire l'intero sistema sia in sito cl
cloud.

FIRMA DEL RIC

CLAIMS

1.   The wearable device by the student,
have his own point of view and therefore
assessments and understand the action of the
2.   The system is characterized by the use
full digital interactivity with augmented reality

```xml
</p>LF
</description>LF
<claims id="claims" lang="it">LF
<claim id="clm-0001" num ="0001"><!-- EPO <DP n="9"/>-->LF
 <claim-text>RIVENDICAZIONI</claim-text>LF
LF
<claim-text>1)Il device indossato dallo studente, consente al docente, di
avere il suo stesso punto di vista e pertanto di potere effettuare delle
valutazioni accurate e capire meglio l&apos;azione dello studente;
</claim-text>LF
<claim-text>2)Il sistema è caratterizzato dal fatto che fa uso di
dispositivi che permettono una interattività completa, in forma digitale,
con realtà aumentata, docente/studente su due canali. Oltre allo scambio
di video ed audio, è possibile anche lo scambio di bozzetti grafici ed
immagini modificate su fermo-immagine realizzato dalle riprese dello
studente;</claim-text>LF
<claim-text>3) la possibilità per gli studenti, di rivedere le lezioni,
con gli specifici commenti del docente</claim-text>LF
<claim-text>4) potere gestire l&apos;intero sistema sia in sito che
tramite piattaforme cloud.</claim-text>LF
LF
</claim>LF
</claims>LF
<claims id="claims" lang="en">LF
<claim id="clm-0001" num ="0001"><claim-text>CLAIMS</claim-text>LF
LF
<claim-text>1. The wearable device by the student, allows the teacher to
have his own point of view and therefore he can make, better assessments
and understand the action of the student;</claim-text>LF
<claim-text>2. The System is characterized by the use of devices that
allow a full digital interactivity with augmented reality, teacher /
student on LF
<!-- EPO <DP n="10"/>-->two separate channels. In addition to the exchange
```
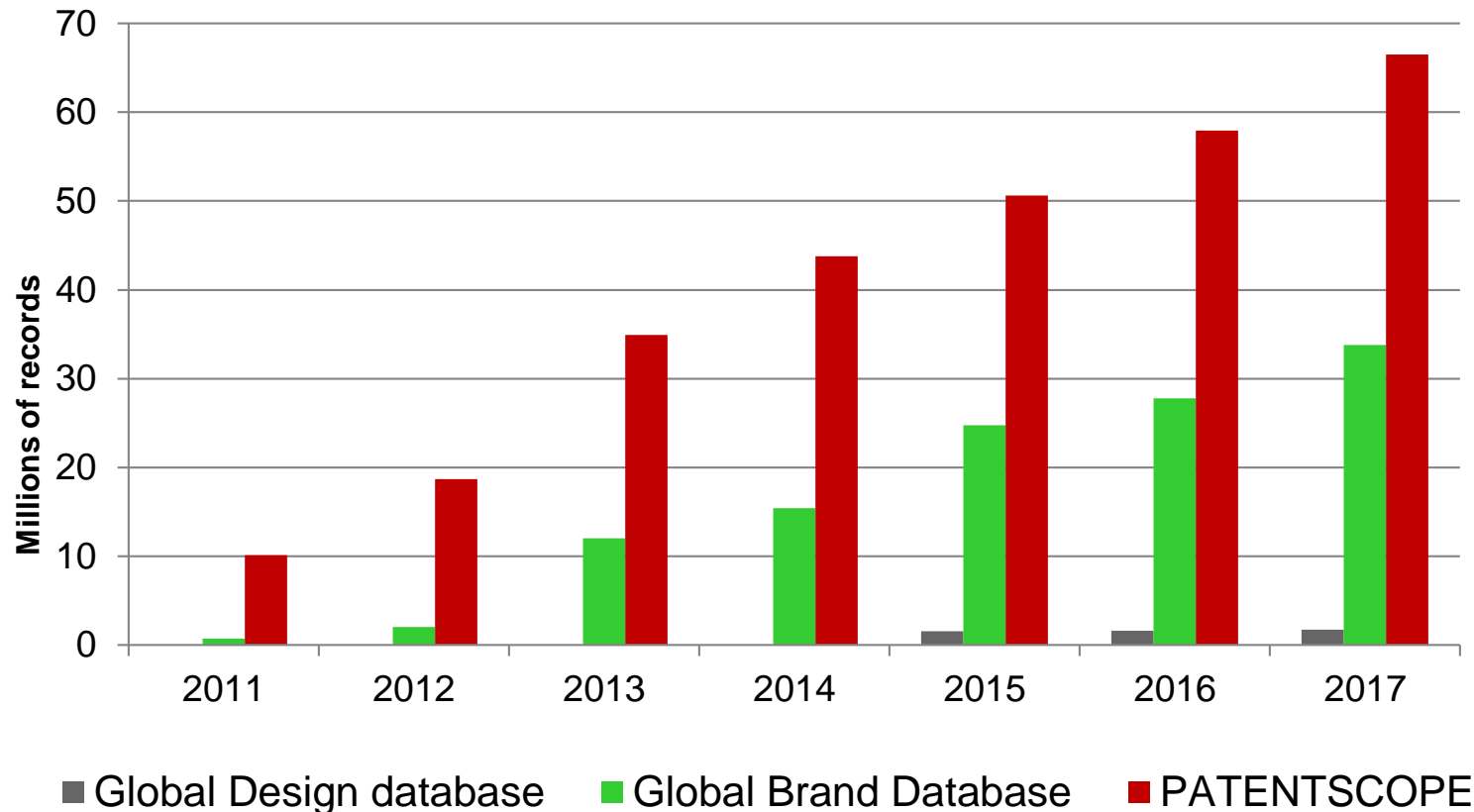
News about PATENTSCOPE coverage

■ great progress in recent years

Legend: ■ Global Design database ■ Global Brand Database ■ PATENTSCOPE

■ Cf. https://patentscope.wipo.int/search/en/help/data_coverage.jsf

News about PATENTSCOPE coverage

■ Now, 52 patent collections and a total of 71 million patent applications

■ Last added collection: India (Bibliographic data only)

   480'000 records published from 2005 to 2018

■ Collections to come (with front file full text):

   Italy

   Romania

   Greece

News about PATENTSCOPE functionality

■ An improved more modern User Interface

News about PATENTSCOPE functionality

■ A chemical search functionality expanded to cover all IP5 collections and languages with 5.7 million documents parsed for chemical compounds and counting:

Number of patent applications in PATENTSCOPE with parsed chemical compounds

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News about PATENTSCOPE functionality

This allows get a quick draft patent landscape for drugs in the IP5 offices and to answer tough questions like:

What is the oldest Japanese patent referencing "Valsartan"?

Wikipedia says: "Valsartan (trade name **Diovan**) is mainly used for treatment of high blood pressure, congestive heart failure, and to increase the chances of living longer after a heart attack. It is an angiotensin II receptor antagonist (commonly called an ARB, or angiotensin receptor blocker), that is selective for the type I (AT_1) angiotensin receptor".

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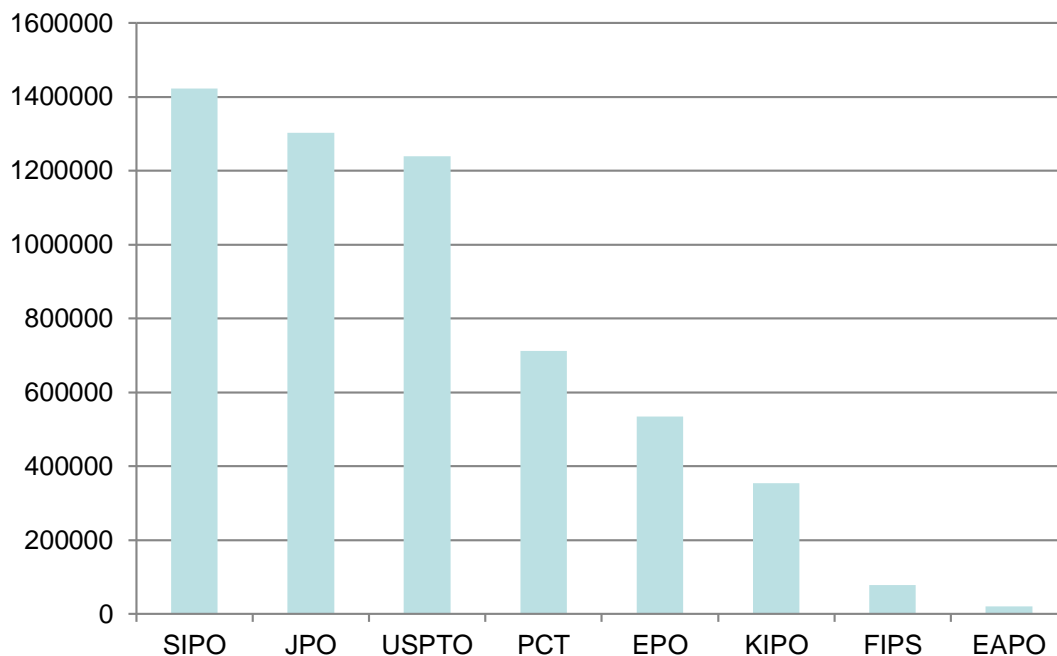
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Simple Search

Using PATENTSCOPE you can search 71 million patent documents including 3.4 million published international patent applications (PCT). Detailed coverage information can be found here ➲

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ℹ PCT Publication 37/2018 (2018/09/13) is now available. The next publication date is scheduled as follows: Gazette number 38/2018 (2018/09/20).
More

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Password	••••

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Chemical compounds search

[Help]

| Convert structure | Structure editor | Upload structure |

| Compound name ▾ | valsartan |

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Results **1-10** of **21,050** for <u>Criteria:</u>**CHEM:(ACWBQPMHZXGDFX-QFIPXVFZSA-N)** <u>Office(s):</u>**all** <u>Language:</u>**EN** <u>Stemming:</u> **true**

◄ 1 2 3 4 5 6 7 8 9 10 ► Page: [1] / 2106 [Go]

Refine Search CHEM:(ACWBQPMHZXGDFX-QFIPXVFZSA-N)   [Q Search]   ᛜRSS ⛗ 🖫 ⤓ ⤓10k

Filters

ℹ The Analysis charts will be available soon

Countries		IPC		Inventor		Applicant		Pub Date	
Name ⇕	**No** ⇕	**Name** ⇕	**No** ⇕	**Name** ⇕	**No** ⇕	**Name** ⇕	**No** ⇕	**Date** ⇕	**No** ⇕
United States	6474	A61K	17841	Chackalamannil Samuel	62	NOVARTIS AG	626	2008	1729
PCT	4488	A61P	10176	WUNDER FRANK	50	BRISTOL-MYERS SQUIBB COMPANY	348	2009	1838
Japan	3528	C07D	9379	Roche Olivier	49	Bristol-Myers Squibb Company	324	2010	1975
China	2711	C07K	1441	Ewing William R.	47	Novartis AG	308	2011	1668
European Patent Office	1750	C07C	1432	Epple Robert	46	MERCK SHARP & DOHME CORP.	298	2012	1397
		C12N	809	CHACKALAMANNIL SAMUEL	45	Merck Sharp & Dohme Corp.	268	2013	1408
Republic of Korea	1420	A01N	669			BAYER PHARMA AKTIENGESELLSCHAFT	216	2014	1313

Sort by: [Pub Date Asc ▾]   **View** [All ▾]   **List Length** [10 ▾]   [Machine translation]

Title			Ctr	PubDate
Int.Class	**Appl.No**	**Applicant**		**Inventor**
1. 1020170013620 MICROEMULSION COMPOSITION COMPRISING HERB MEDICINE EXTRACT WITH INCREASED ORAL ABSORPTION AND PREPARATION METHOD THEREOF			KR	
A61K 9/107 ⑦	1020150106520	강원대학교산학협력단		조현종

The present invention relates to a microemulsion composition comprising a herb medicine extract and a microemulsion including omega-3 unsaturated fatty acids, a surfactant, and water; and to a preparation method thereof. The microemulsion composition comprising a herb medicine extract and omega-3 unsaturated fatty acids achieves an effect of effectively improving oral absorption of the herb medicine extract including insoluble active components, thereby being useful as an oral administration delivery system. COPYRIGHT KIPO 2017

2. 4246393 Process for the preparation of poly(thio)hydantoins			US	20.01.1981
C07D 233/00 ⑦	05958941	Bayer Aktiengesellschaft		Zecher Wilfried

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Results **1-10** of 3,528 for Criteria:CHEM:(ACWBQPMHZXGDFX-QFIPXVFZSA-N) Office(s):all Language:EN Stemming: true

Filters CTR:Japan ⊗

|◀ **1** 2 3 4 5 6 7 8 9 10 ▶| Page: 1 / 353 Go

Refine Search CHEM:(ACWBQPMHZXGDFX-QFIPXVFZSA-N)   Q Search   ᔕRSS 品 🖫 ⬇ ⬇10K

Filters	➖

❶ The Analysis charts will be available soon

Countries		IPC		Inventor		Applicant		Pub Date	
Name ⇕	**No** ⇕	**Name** ⇕	**No** ⇕	**Name** ⇕	**No** ⇕	**Name** ⇕	**No** ⇕	**Date** ⇕	**No** ⇕
3528		A61K	3358	フランク・ヴンダー	30	TAKEDA CHEM IND LTD	163	2008	284
		A61P	3110	マルクス・フォルマン	22	武田薬品工業株式会社	99	2009	374
		C07D	1883	マルク ミハエル	21	ノバルティス アーゲー	85	2010	448
		C07C	267	MOMOSE YU	18	ベーリンガー インゲルハイム インターナショナル ゲゼルシャフト ミット ベシュレンクテル ハフツング	71	2011	270
		C07K	238					2012	240
		C12N	213	ヨハネス-ペーター・シュタッシュ	18	アッヴィ・インコーポレイテッド	32	2013	296
		C01N	118					2014	220

Sort by: Pub Date Asc ▾   View All ▾   List Length 10 ▾   **Machine translation**

	Title		Ctr	PubDate
Int.Class	**Appl.No**	**Applicant**		**Inventor**
1. 4235149 **アシル化合物**			JP	24.08.1992
A61K 31/195 ⑦	10809791			ペーター ビュールマヤー
2. 7053408 **組合せ薬剤**			JP	28.02.1995
A61K 31/435 ⑦	16001094			ジャンーポール・クローゼ

求項１の化合物またはその塩。

【請求項８】 （Ｓ）－Ｎ－（１－カルボキシ－２－メチル－プロプ－１－イル）－Ｎ－ペンタノイル－Ｎ－〔２'－（１Ｈ－テトラゾール－５－イル）ビフェニル－４－イルメチル〕－アミン、である請求項１の化合物またはその塩。

【請求項９】 ... テトラゾール－５－イル）ビフェニル－４－イルメチル〕－アミン、

N－（2-エト... ル－N－〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

N－（2-カル... 〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

N－（2-エト... ﹣〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

N－（2-エト... ﹣N－〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

（S）－N－（... ﹣イル－N－〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

N－（2-エト... ﹣ル－N－〔2'－1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

N－（2-カル... . H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

（S）－N－（... ﹣ニル－N－〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

（S）－N－（... カルボニル－N－〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

N－（2-カル... ﹣テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

N－（2-カル... 〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

N－（1－カルボキシシクロヘキシル）－N－ペンタノイル－N－〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、

（S）－N－（1－アミノカルボニル－2－メチル－プロプ－1－イル）－N－ペンタノイル－N－〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミン、または

（S）－N－（1－カルボキシ－2－メチル－プロプ－1－イル）－N－（5－オキソペント－1－エン－5－イル）－N－〔2'－（1H－テトラゾール－5－イル）－ビフェニル－4－イルメチル〕－アミンである請求項1の化合物または各々の場合のそれらの塩。

【請求項１０】 有効成分として遊離形態または医薬として許容されうる塩の形態にある請求項１～９のいずれか１項に記載の化合物を含有する、アンギオテンシン（II）の増加に関連する疾患又は状態の治療のための医薬製剤。

【請求項１１】 高血圧又は心機能不全の治療のための、請求項１０に記載の医薬組成物。

【請求項１２】 （Ｓ）－Ｎ－（１－カルボキシ－２－メチル－プロプ－１－イル）－Ｎ－ペンタノイル－Ｎ－〔２'－（１Ｈ－テトラゾル－５－イル）－ビフェニル－４－イルメチル〕－アミン又はその医薬として許容される塩を含んで成る、請求項１０又は１１に記載の医薬組成物。

【請求項１３】 次の式（I）：

【化４】

chiral

Valsartan

$R_1-X_1-N-X_3-$ A — B $-R_3$ (I),
　　　　|
　　　　X_2-R_2