



Topic 6: Further Retrieval of Examination Work Products: USPTO GD, WIPO CASE; more on citations

Lutz Mailänder

Head, International Cooperation on Examination and Training Section

**Riyadh
January 30, 2018**

Agenda

- Further dossier retrieval options
 - USPTO Global Dossier
 - PATENTSCOPE
 - WIPO CASE
- Further retrieval options for citations
- Comparing citations in CCD

Further secondary access platforms

"One-stop shop" file inspection platforms:

■ **Global Dossier** (= IP5 One Portal Dossier)

- Access to all communications between offices/examiners and applicants for IP5 Offices (EPO, JPO, KIPO, SIPO, USPTO) & WIPO

- “On the fly”, i.e. up-to-date

- Access to dossiers of WIPO CASE (AU, CA, IL already now, more in future)

- Accessible through

- links in Espacenet, EP-Register

- Stand alone USPTO Global Dossier website

- Embedded in PATENTSCOPE

■ **WIPO CASE**

- Access to IP5 file wrappers (integration of Global Dossier)

- Plus (currently) GB, CA, AU, IL, SG

Global Dossier in Espacenet


Family list: KR20090079203 (A) — 2009-07-21

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21 application(s) for: KR20090079203 (A)

Sort by  Sort order  show citations


1. SECURE UNIVERSAL TRANSACTION SYSTEM

★ Inventor: FRANCHI JOHN FRANCO [US]	Applicant: FRANCHI JOHN FRANCO [US]	CPC: <u>G06F21/32</u> <u>G06F21/34</u> <u>G06Q20/12</u> (+2)	IPC: G06K7/00 G06K9/00	Publication info: KR20090079203 (A) 2009-07-21  <u>Global Dossier</u>	Priority date: 2006-09-18
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2. Secure transaction system

★ Inventor: FRANCHI JOHN FRANCO [GB]	Applicant: FRANCHI JOHN FRANCO [GB]	CPC: <u>G06F21/32</u> <u>G06F21/34</u> <u>G06Q20/12</u> (+2)	IPC: (IPC1-7): G05B19/00	Publication info: AR062800 (A1) 2008-12-03	Priority date: 2006-09-18
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Global Dossier links in EP-Register



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Office européen des brevets

European Patent Register

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Smart search | Advanced search | Help

EP2570899

- About this file
- Legal status
- Federated register
- Event history
- Citations
- Patent family**
- All documents

Patent family: EP2570899

Refine search | ST36 | Espacenet | Submit observations | Report error | Print

Type	Publication No.	Date	Type
<input type="checkbox"/> Equivalent	→ US2013069890	21.03.2013	A1
	Priority number	Date	
	CN201110289572	18.09.2011	

Type	Publication No.	Date	Type
<input type="checkbox"/> Equivalent	→ KR101452954B	21.10.2014	B1
	KR20130030721	27.03.2013	A
	Priority number	Date	
	CN201110289572	18.09.2011	

Type	Publication No.	Date	Type
<input type="checkbox"/> Equivalent	→ JP5686777B	18.03.2015	B2

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- [What happens if I click on the "XML" or "ST36" buttons?](#)
- [What does "patent family" mean?](#)
- [What are "equivalents"?](#)
- [What is Global dossier?](#)
- [Which types of document will I find under "Patent family"?](#)
- [What does A1, A2, A3 and B stand for after a publication number?](#)

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Global Dossier at USPTO



Global Dossier

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Office:
 Type:

★ Collections 0
↻ History 1

PCT/US2014/052705 12 Members in Patent Family (12 currently shown)

Office	Application	Applicant	Title	App. Date	Priority #	Pub. #	Pub. Date	Action
⚠ PE	0002862016			08/26/2014	US 61870089	PE 03542016 A1	05/11/2016	
⚠ MX	20160024				US PCT/US14/52705 US 61870089	MX 2016002410 A	05/31/2016	
⚠ EA	20169047				US PCT/US14/52705 US 61870089	EA 201690475 A1	06/30/2016	
⚠ AR	P1401002			08/26/2014	US 61870089	AR 097461 A1	03/16/2016	
⊕ AU	2014311324 View Dossier	1) Red Leaf Resources, Inc.,	Gas transport composite barrier	08/26/2014	US PCT/US14/52705 US 61870089	AU 2014311324 A1 AU 2014311324 B2	04/07/2016 11/10/2016	(2) <input type="button" value="Add to ★"/>
⚠ AP	201609052			08/26/2014	US PCT/US14/52705 US 61870089	AP 201609052 D0	02/29/2016	
⊕ US	14469062 View Dossier	1) Patten, James W. 2) Bunger, James W. 3) Seely, Dan	GAS TRANSPORT COMPOSITE BARRIER	08/26/2014	US 61870089 US 14469062	US 20150053269 A1	02/26/2015	(1) <input type="button" value="Add to ★"/>
⚠ CA	2922019			08/26/2014	US PCT/US14/52705 US 61870089	CA 2922019 A1	03/05/2015	

"+" indicates that AU dossier is accessible

- IP Office Type
- All IP5 Offices
 - EPO
 - SIPO
 - KIPO
 - JPO
 - USPTO
 - Non-IP5 Offices

WIPO CASE

Family table

WIPO CASE

Application Number

PCT/US2014/052705

Extended

Simple

e.g.: (IL224004, GB1108683.2)

Compare

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PCTUS2014052705

Time Line **Tabular View** Family Citations Discussion

Application/Priority #	Filing/National Entry Date	Publications	PCT Application #
ARP140103202	2014-08-26	AR 097461.A1.2016-03-16	
US61/870,089	2013-08-26		
AU2014311324	2014-08-26	AU 2014311324.B2.2016-11-10 , AU 2014311324.A1.2016-04-07	PCT/US2014/052705.
US61/870,089	2013-08-26		
PCT/US2014/052705	2014-08-26	WIPO 2015/091250.A1.2015-02-05	
US61/870,089	2013-08-26		
CN201480046997.2	2014-08-26	CN 105492095.A.2016-04-13	PCT/US2014/052705.
US61/870,089	2013-08-26		
MY2016700460	2014-08-26	MY PI 2016700460.A.2015-02-26	PCT/US2014/052705.2014-08-26
US61/870,089	2013-08-26		
MX2016002410	2016-02-24	MX 2016002410.A.2016-05-31	
US61/870,089	2013-08-26		
IN6520/MUMNP/2016	2016-02-25	IN 201627006520.A.2016-07-22	PCT/US2014/052705.2014-08-26
US61/870,089	2013-08-26		

AU family member

WIPO CASE

WIPO CASE

Application Number *

PCT/US2014/052705

Extended

Simple

e.g.: (PCT/JP2013/081486, PCT/US2013/071150)

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PCT/US2014052705

AU2014311324

AU dossier

Document List

Document Name	Date	Pages/Size	<input type="checkbox"/>			<input type="checkbox"/>		
CORRO OUT	2016-10-28	0.2 MB	<input type="checkbox"/>			<input type="checkbox"/>		
CLAIM	2016-10-27	0.12 MB	<input type="checkbox"/>			<input type="checkbox"/>		
DESCRIPTION	2016-10-27	1.47 MB	<input type="checkbox"/>			<input type="checkbox"/>		
AMENDMENT	2016-10-18	1.49 MB	<input type="checkbox"/>			<input type="checkbox"/>		
AMENDMENT	2016-10-18	0.89 MB	<input type="checkbox"/>			<input type="checkbox"/>		
AMENDMENT	2016-10-18	0.65 MB	<input type="checkbox"/>			<input type="checkbox"/>		
AMENDMENT	2016-10-18	0.5 MB	<input type="checkbox"/>			<input type="checkbox"/>		

View 1 - 16 of 16

Bibliographic Data

Citation Data

'GD' in Patentscope (WIPO CASE data)

WIPO PATENTSCOPE
 Search International and National Patent Collections
 WORLD INTELLECTUAL PROPERTY ORGANIZATION
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 Home > IP Services > PATENTSCOPE

1. (AU2014311324) Gas transport composite barrier

National Biblio. Data Description Claims Drawings Documents

Published Application		
		View
AU2014311324A1	AU20160407	ZIP(XML + TIFFs)
AU2014311324B2	AU20161110	ZIP(XML + TIFFs)

Global Dossier		
Legal date	Description	Download
28.10.2016	CORRO OUT	PDF
27.10.2016	CLAIM	PDF
27.10.2016	DESCRIPTION	PDF
18.10.2016	AMENDMENT	PDF
18.10.2016	AMENDMENT	PDF
18.10.2016	AMENDMENT	PDF
18.10.2016	AMENDMENT	PDF
18.10.2016	AMENDMENT	PDF
18.10.2016	AMENDMENT	PDF
30.08.2016	EXAM CORRO	PDF
15.03.2016	ABSTRACT	PDF
15.03.2016	ABSTRACT	PDF

Australian Register AusPat

Application Details

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2014311324

· Gas transport composite barrier

▸ Bibliographic data

▸ Specification/e-Register

▾ eDossier

Document Date	Document Title	Document Type	Document Status	File Size (KB)	<input type="checkbox"/>
2017-02-23	 Standard Patent Certificate 23-02-2017	CORRO OUT	FILED	1260	<input type="checkbox"/>
2017-02-23	 Standard Patent Notice of Grant 23-02-2017	CORRO OUT	FILED	129	<input type="checkbox"/>
2017-01-03	Cover Sheet Patent ITP Payment 03-01-2017 SGBI-0001149186	OTHER	FILED	3	
2017-01-03	SPEO-0002145542 - Main Document	CORRO IN	FILED	10	
2016-10-31	ITP	CORRO OUT	FILED	120	
2016-10-31	ITP	CORRO OUT	FILED	120	
2016-10-28	 Notice of Acceptance and Bibliographic Attachment 28-10-2016	CORRO OUT	FILED	207	<input type="checkbox"/>


Patentscope 'GD' data coverage as of Jan 2018

	Data coverage for OPD services
EPO	Patent applications filed on 01.06.1978 and onwards
JPO	Patent applications filed after 1990
CA	Patent applications published since 01.01.2008 Note: Only limited sets of documents are available (examination reports and search reports) for applications published between January 2008 and September 2015.
AU	Patent applications filed after 2006
US	Patent application filed on Jan 1, 2003 and onwards. Prior to 2003, applications are available on a case by case basis.

Types of citations/references

- Prior art relevant for patentability of claimed subject matter may be
 - Cited by an applicant
 - Cited by an examiner or other official search/examination bodies
 - Cited by third parties (for example, Sect. 801 of PCT AI)
- Citations may originate from
 - Substantive examination before grant
 - Opposition, re-examination, revocation, ... after grant
- Patents
 - can cite other patents as prior art (**backward citations**)
 - can be cited by other patents (**forward citations**)

Samples of prior art citations

 Europäisches Patentamt European Patent Office Office européen des brevets		EUROPEAN SEARCH REPORT	
DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASS APPLICABLE
X	EP 0 813 338 A2 (ROCKWELL INTERNATIONAL CORP [US]) 17 December 1997 (1997-12-17) * column 6, line 12 - column 8, line 26 * * column 8, line 52 - column 9, line 4; figure 1 *	1-13	INV. G01T
Y	US 6 128 039 A (CHEN DATONG [US] ET AL) 3 October 2000 (2000-10-03) * column 3, line 57 - column 4, line 28; figure 2 *	1,3-7	
Y	US 6 163 029 A (YAMADA SHINICHI [JP] ET AL) 19 December 2000 (2000-12-19) * column 15, line 30 - column 16, line 45; figures 2,15,16 *	1,3-7	
A	FR 2 864 628 A1 (COMMISSARIAT ENERGIE ATOMIQUE [FR]) 1 July 2005 (2005-07-01) * page 4, line 18 - page 6, line 15; figure 3 *	1-13	
A,D	WO 2004/064168 A1 (SCHERRER INST PAUL [CH]; BROENNIMANN CHRISTIAN [CH]; SCHMITT BERND [CH]) 29 July 2004 (2004-07-29) * the whole document *	1-13	TECH SEARCH G01T
E	WO 2009/131151 A1 (HAMAMATSU PHOTONICS KK [JP]; MORI HARUMICHI [JP]; KYUSHIMA RYUJI [JP];) 29 October 2009 (2009-10-29) * figure 12 *	1	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		23 March 2010	Kuivervyck, J
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document	

(12) **United States Patent**
Li et al.

(10) **Patent No.:** US 8,296,619 B2
(45) **Date of Patent:** Oct. 23, 2012

(54) **METHOD AND APPARATUS FOR INDICATING A TEMPORARY BLOCK FLOW TO WHICH A PIGGYBACKED ACK/NACK FIELD IS ADDRESSED**

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,751,741 A * 5/1998 Voith et al. 714/758
(Continued)

FOREIGN PATENT DOCUMENTS

EP 1 376 950 1/2004
(Continued)

OTHER PUBLICATIONS

Third Generation Partnership Project, "Technical Specification Group GSM/EDGE Radio Access Network; Channel coding (Release 7)", 3GPP TS 45.003 V7.4.0 (Feb. 2008).

(Continued)

(75) Inventors: **Yan Li**, Center Valley, PA (US); **Stephen G. Dick**, Nesconset, NY (US); **Prabhakar R. Chitrapu**, Blue Bell, PA (US); **Marian Rudolf**, Vitre (FR); **Behrouz Aghili**, Melville, NY (US); **Khushali N. Manseta**, Yardley, PA (US)

(73) Assignee: **InterDigital Technology Corporation**, Wilmington, DE (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 981 days.

Primary Examiner — Scott Baderman

Assistant Examiner — Jeison C Arcos

(21) Appl. No.: 12/106,138

Cited in	International search	[X]* US4268635 (HOY LESLIE R J, et al) [X] 1-17 * the whole document *;
		[X]* DE19513403 (BASF AG [DE]) [X] 1-17 * the whole document *;
		[X]* WO2004096418 (UNIV TSINGHUA [CN], et al) [X] 1-17 * the whole document *;
		[A]* US4804724 (HARRIS JAMES E [US], et al) [A] 1-17 * the whole document *
	by applicant	→ WO2007071780
		→ US4268635
		→ DE19513403
		→ WO2004096418
	Opposition	→ EP0332012
		→ JP2006028414
		→ EP2000492
		→ EP0030033

Overview: Access to prior art citations

Citations/references are usually presented as

- Bare listings of citations, for example lists of publication numbers only
- Citations in search reports supplemented with further useful information

Search reports are available as:

- Regular patent publications (EP-A1/A3/A4, WO-A1/A3)
- Electronic documents accessible through file/dossier access platforms, such as online registers, Global Dossier, WIPO CASE

Bare lists of citations are usually available

- On front pages of publications of granted patents, republications after opposition (EP-B1/B2..)
- Through separate links or integrated tables in patent databases, such as national registers (e.g. DE or EP Register) when viewing individual applications
- Trilateral Common Citation Document (CCD)

International Search Report (ISR)

- Established by (selected) competent ISA
- **Search based on claims as originally filed (Article 15)**
 - > Limited utility of ISR for amended claims in national phase
- Search performed according to PCT Examination Guidelines
- Prior art is everything made available to the public (Rule 33)
 - in written disclosure (ISR may refer to oral disclosure, exhibition, though)
 - **prior to the international filing date** (i.e. priorities are not taken into account for the international search)
- Not any written disclosure is to be searched: only PCT minimum documentation (Rule 34)
- In case of lack of unity, only the "first" invention will be searched (Rule 40), unless additional fees are paid
- ISA can decline search of certain subject matter (Rule 39), namely subject matter that is excluded from patentability in national law (PCT does not define what is patentable!)

ISR

- ISR is "**enriched**" **search report** as it includes
 - List of relevant prior art documents (citations) plus indications:
 - Claims for which a citation is relevant
 - Parts of the cited document which are relevant (e.g. 'line 5-6, page 7; drawing 6') for those claims
 - Why the document is relevant (challenging novelty, inventive step; describing background art)
 - IPCs of the claimed subject matter
 - Limited search strategy: technology areas (IPC) searched
- Includes observations regarding lack of unity (Box III), or whether no meaningful search could be performed (clarity of claims)

Enriched prior art search reports



EUROPEAN SEARCH REPORT

Application Number
EP 09 16 8955

Application number

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 0 813 338 A2 (ROCKWELL INTERNATIONAL CORP [US]) 17 December 1997 (1997-12-17) * column 6, line 12 - column 8, line 26 * * column 8, line 52 - column 9, line 4; figure 1 *	1-13	INV. G01T1/17
Y	US 6 128 039 A (CHEN DATONG [US] ET AL) 3 October 2000 (2000-10-03) * column 3, line 57 - column 4, line 28; figure 2 *	1,3-7	
Y	US 6 163 029 A (YAMADA SHINICHI [JP] ET AL) 19 December 2000 (2000-12-19) * column 15, line 30 - column 16, line 45; figures 2,15,16 *	1,3-7	
A	FR 2 864 628 A1 (COMMISSARIAT ENERGIE ATOMIQUE [FR]) 1 July 2005 (2005-07-01) * page 4, line 18 - page 6, line 15; figure 3 *	1-13	
A,D	WO 2004/064168 A1 (SCHERRER INST PAUL [CH]; BROENNIMANN CHRISTIAN [CH]; SCHMITT BERND [CH]) 29 July 2004 (2004-07-29) * the whole document *	1-13	TECHNICAL FIELDS SEARCHED (IPC) G01T
E	WO 2009/131151 A1 (HAMAMATSU PHOTONICS KK [JP]; MORI HARUMICHI [JP]; KYUSHIMA RYUJI [JP];) 29 October 2009 (2009-10-29) * figure 12 *	1	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 23 March 2010	Examiner Wulveryck, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

International Patent Classification

Category X, Y, A, etc.

Relevant to Claim ...

Cited documents

Technical Fields Searched

Searching Authority

Date of Completion of the Search

Examiner

Categories of citations

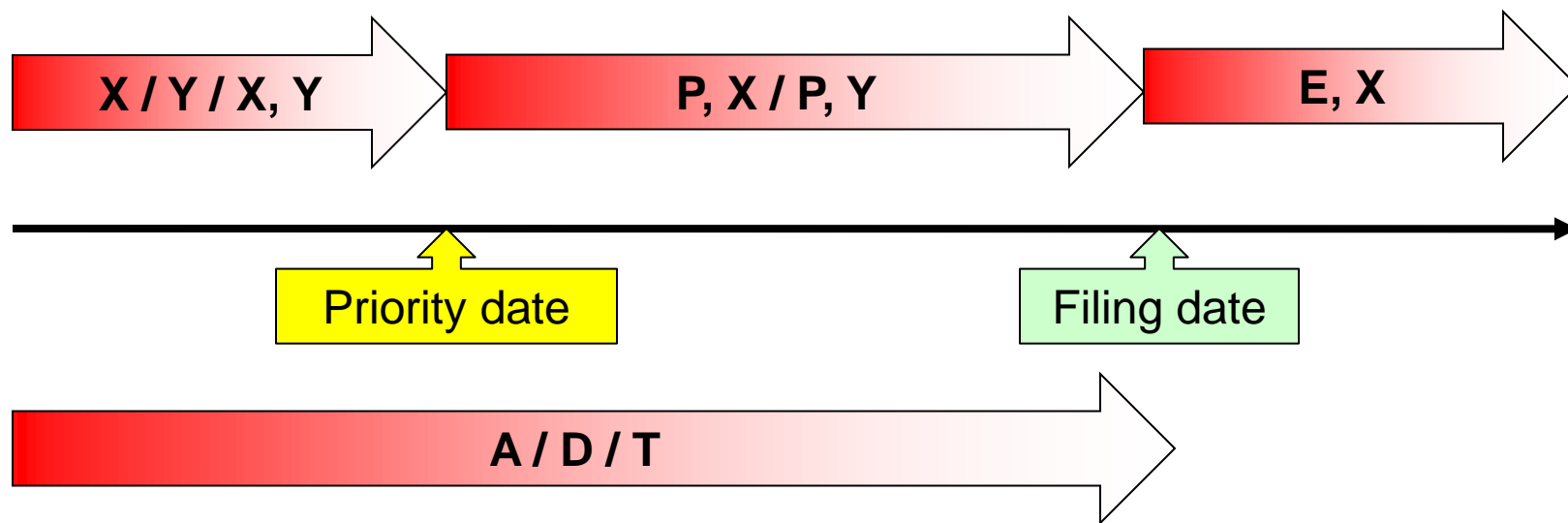
- X particularly relevant if taken alone (novelty)
- Y particularly relevant if combined with another document of the same category (inventive step)
- A technological background
- O non written disclosure
- P intermediate document, i.e. published between the earliest priority date and the filing date
- E earlier document but published on or after the filing date
- T theory or principle underlying the invention
- D document cited in the application

- I (applied by EPO for limited period time)

See 16.59ff of the [PCT Examination Guidelines](#)

Prior art categories

Publication dates of prior art documents



Publications of search reports

- ISRs are published as WO-A1 or WO-A3 documents
- In addition to the PCT, only the EPO publishes search reports
 - EP-A1 or A3 similar to WO-A1 or A3
 - EP-A4 for supplementary European search reports if examiners conduct additional searches
- No other IPO publishes search reports, they are only made publicly available through national registers ('laid open for public inspection')
- Accessible as well through Global Dossier and WIPO CASE
- Citation information is also made available through other interfaces of various databases (not in Patentscope, though)

CCD or US-PAIR: US search report

Notice of References Cited				Application/Control No. 11/689,638		Applicant(s)/Patent Under Reexamination COX ET AL.	
				Examiner REGINA YOO		Art Unit 1773	Page 1 of 1
U.S. PATENT DOCUMENTS							
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification		
*	A	US-4,662,516 A	05-1987	Baker et al.	206/363		
*	B	US-5,003,892 A	04-1991	Bricken, Jonathan	110/346		
	C	US-					
	D	US-					
	E	US-					
	F	US-					
	G	US-					
	H	US-					
	I	US-					
	J	US-					
	K	US-					
	L	US-					
	M	US-					
FOREIGN PATENT DOCUMENTS							
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification	
	N						

US search reports are **not enriched**, i.e. no X, Y, A; no references to claims, no references to pages, lines, drawings,...

US-PAIR: prior art in image file wrapper

"Image File Wrapper" contains search and examination reports

09-28-2006	WFEE	Fee Worksheet (SB06)	PROSECUTION	1	<input type="checkbox"/>
04-28-2006	CTNF	Non-Final Rejection	PROSECUTION	10	<input type="checkbox"/>
04-28-2006	1449	List of References cited by applicant and considered by examiner	PRIOR ART	1	<input type="checkbox"/>
04-28-2006	892	List of references cited by examiner	PRIOR ART	1	<input type="checkbox"/>
04-28-2006	FWCLM	Index of Claims	PROSECUTION	1	<input type="checkbox"/>

Notice of References Cited	Application/Control No. 11/093,685	Applicant(s)/Patent Under Reexamination CHAN ET AL.	
	Examiner Tina M. Wong	Art Unit 2874	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,081,638	06-2000	Zhou, Ping	385/31
*	B	US-6,842,467	01-2005	Aronson et al.	372/27
*	C	US-5,179,420	01-1993	So et al.	356/73.1
	D	US-			
	E	US-			

US-PAIR: prior art tab

11/689,638 Heat Processing Systems, Apparatuses, and Methods for Collection and Disposal of Infectious and Medical Waste							
Select New Case	Application Data	Transaction History	Image File Wrapper	Continuity Data	Published Documents	Address & Attorney/Agent	Display References
Reference Forms							
Mail Room Date	Document Code	Document Description					
02-24-2011	892	List of references cited by examiner					
09-16-2010	1449	List of References cited by applicant and considered by examiner					
08-16-2010	IDS	Information Disclosure Statement (IDS) Form (SB08)					
06-23-2009	892	List of references cited by examiner					
06-23-2009	1449	List of References cited by applicant and considered by examiner					
09-12-2007	IDS	Information Disclosure Statement (IDS) Form (SB08)					
Foreign Patent and Non-Patent Documents							
Mail Room Date	Document Code	Document Description					
08-16-2010	NPL	Non Patent Literature					
08-16-2010	NPL	Non Patent Literature					
08-16-2010	NPL	Non Patent Literature					
08-16-2010	NPL	Non Patent Literature					
09-12-2007	FOR	Foreign Reference					
09-12-2007	FOR	Foreign Reference					
09-12-2007	FOR	Foreign Reference					



List of references cited by applicant

List of references cited by examiner

US Final and Non-Final Rejections

- Relevance of citations (X, Y) can (currently) only be derived from the reasons of rejections stated in US examination reports and decisions ('final' and 'non-final rejections')




9. Claims 1, 8-10, 15-16, 34, 39-40, 42, 51, 63, 68, 69 and 79 are rejected under 35 U.S.C. 102(b) as being anticipated by Tibor (Tibor) (US Pub. No. 2004/0234117).

As per claim 1 Tibor discloses:


A secure universal transaction system, comprising: an operations source component, including a first biometric security component, a second security component, (page 33, the central system 12 can be remotely located from the electronic transaction stations location as the electronic transaction station, e.g., an in-store central processor a

'Claims 1, 8-10,... not novel in view of US2004023117A1'

US search reports in Global Dossier

17.11.2011	<u>List of References cited by applicant and considered by examiner</u>
17.11.2011	<u>Notice of Allowance and Fees Due (PTOL-85)</u>
 17.11.2011	<u>Examiner's search strategy and results</u>
17.11.2011	<u>Search information including classification, databases and other search related notes</u>
 17.11.2011	<u>List of References cited by applicant and considered by examiner</u>
17.11.2011	<u>Bibliographic Data Sheet</u>
17.11.2011	<u>Foreign Reference</u>
17.11.2011	<u>List of References cited by applicant and considered by examiner</u>
17.11.2011	<u>Issue Information including classification, examiner, name, claim, renumbering, etc.</u>
 17.11.2011	<u>List of references cited by examiner</u>

Espacenet: Backward Citations



Europäisches Patentamt
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WO2011113363 (A1) → Citations

WO2011113363 (A1)

- Bibliographic data
- Description
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- Cited documents
- Citing documents
- INPADOC legal status
- INPADOC patent family

Cited documents: WO2011113363 (A1) — 2011-09-22

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3 documents cited in relation to **WO2011113363 (A1)**

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International search citation

1. **Agomelatine halogen hydride complex and preparation thereof**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
PENG ZHANG [CN] HANBIN SHAN [CN] (+8)	SHANGHAI INST PHARM INDUSTRY [CN]	<u>C07C233/18</u>	C07C233/18	CN101481321 (A) 2009-07-15 CN101481321 (B) 2012-04-18	2009-02-27

2. **New crystal form of Agomelatine, preparation method and use thereof**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
HANBIN SHAN [CN] PENG ZHANG [CN] (+7)	SHANGHAI INST PHARM INDUSTRY [CN]	<u>A61K31/165</u> <u>C07C233/18</u>	A61K31/165 A61P1/00 A61P25/00 (+8)	CN101585779 (A) 2009-07-15 CN101585779 (B) 2014-04-02	2009-03-10

Patents cited by the applicant

3. **Agomelatine halogen hydride complex and preparation thereof**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
PENG ZHANG [CN] HANBIN SHAN [CN] (+8)	SHANGHAI INST PHARM INDUSTRY [CN]	<u>C07C233/18</u>	C07C233/18	CN101481321 (A) 2009-07-15 CN101481321 (B) 2012-04-18	2009-02-27

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WO2011113363 (A1)

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Family list: WO2011113363 (A1) — 2011-09-22

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29 application(s) for: WO2011113363 (A1)

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page 1

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1. AGOMELATINE HYDROBROMIDE HYDRATE AND PREPARATION THEREOF

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
SHAN HANBIN [CN] YUAN ZHEDONG [CN] (+4)	SERVIER LAB [FR] SHAN HANBIN [CN] (+5)	A61K31/165 C07C233/18	CN101481321 A CN101585779 A	WO2011113363 (A1) 2011-09-22	2010-03-17

2. Agomelatine hydrobromide hadrate and preparation thereof

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
ZHANG PENG [CN] ZHU XUEYAN [CN] (+1)	SERVIER LAB [FR]	A61K31/165 C07C233/18		AP3199 (A) 2015-03-31	2010-03-17


3. Agomelatine hydrobromide hydrate and preparation thereof

★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
SHAN HANBIN YUAN ZHEDONG (+4)	SERVIER LAB	A61K31/165 C07C233/18	US2011313198 A1	AU2011229619 (A1) 2012-09-27 AU2011229619 (B2) 2014-05-22	2010-03-17

4. AGOMELATINE HYDROBROMIDE HYDRATE AND PREPARATION THEREOF


★ Inventor:	Applicant:	CPC:	Citations:	Publication info:	Priority date:
SHAN HANBIN [CN] YUAN ZHEDONG [CN] (+4)	SERVIER LAB [FR]	A61K31/165 C07C233/18		CA2792430 (A1) 2011-09-22 CA2792430 (C) 2015-12-08	2010-03-17

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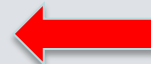
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<p>Type: Patent literature</p> <p>Publication No.: ↗ US2011005662 [XY] (SUNG KUO-HUA [US]) [X] 1-6,9-11,14 par. 21, 27, 30, 38, 41, 42, 43, 44 , fig. 4 [Y] 7-8,12-13,15</p>	<p>Type: Patent literature</p> <p>Publication No.: ↗ WO2011112447 [Y] (3M INNOVATIVE PROPERTIES CO [US], et al) [Y] 7-8,12-13 p. 11 , l. 28-31</p>
<p>Type: Patent literature</p> <p>Publication No.: ↗ TW201102698 [Y] (MASTOUCH OPTOELECTRONICS TECHNOLOGIES CO LTD [TW]) [Y] 15 abstract , fig. B</p>	<p>Type: Non-patent literature</p> <p>Publication information: US2011234526 A1 20110929 [] (MI DAVID [TW]) par. 0032 , fig. 1B, 3, 4 , par. 0040 , fig. 3, 4</p>
<p>Type: Patent literature</p> <p>Publication No.: ↗ US2010302195 [A] (WANG WEN-CHUN [TW], et al) [A] 1,10 par. 0020 , fig. 5a</p>	<p>Type: Patent literature</p>

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EP 2570899 - **Touch display device and a method of manufacturing the same** [Right-click to bookmark this link]

Documents cited:

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[XY] [US2011005662](#) (SUNG KUO-HUA [US]) [X] 1-6,9-11,14 * paragraphs [0021] , [0 27] , [0 30] , [0 38] , [0 41] , [0 42] , [0 43] , [0 44]; figure 4 * [Y] 7-8,12-13,15;

[Y] [WO2011112447](#) (3M INNOVATIVE PROPERTIES CO [US], et al) [Y] 7-8,12-13 * page 11, lines 28-31 *;

[Y] [TW201102698](#) (MASTOUCH OPTOELECTRONICS TECHNOLOGIES CO LTD [TW]) [Y] 15 * abstract *;


[P] [US2011234526](#) (MI DAVID [TW]) [P] * paragraph [0032]; figures 1B, 3, 4 * * paragraph [0040]; figures 3, 4 *;

[A] [US2010302195](#) (WANG WEN-CHUN [TW], et al) [A] 1,10 * paragraph [0020]; figure 5a *;

[A] [US2009185101](#) (MATSUHIRA TSUTOMU [JP], et al) [A] 2-3 * paragraphs [0039] , [0 44] , [0 46]; figures 1a-f, 2a *

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	<p>Type: Non-patent literature</p> <p>Publication information: [A] - DUDEK T ET AL, "Replication-defective viruses as vaccines and vaccine vectors", VIROLOGY, vol. 344, no. 1, ISSN 0042-6822, (20060105), pages 230 - 239, (20060105), XP024896310 [A] 1-15 * page 106, paragraph L *</p> <p>DOI: ↗ http://dx.doi.org/10.1016/j.virol.2005.09.020</p>
	<p>Type: Non-patent literature</p> <p>Publication information: [PX] - MASON P W ET AL, "Production and characterization of replication-defective vaccines based on flaviviruses defective in replication", VIROLOGY, vol. 357, no. 1, ISSN 0022-5347, (20060801), XP024896458 [PX] 1-15 * the</p> <p>DOI: ↗ http://dx.doi.org/10.1016/j.virol.2006.04.010</p>
	<p>Type: Non-patent literature</p> <p>Publication information: [T] - WIDMAN DOUGLAS G ET AL, "Third generation replication-defective viruses.", ADVANCED VIRAL REPLICATION, vol. 1, no. 1, ISSN 1522-0167, (20060501), pages 77 - 126, XP009122428 [T] 1-15 * figure 2 *</p> <p>DOI: ↗ http://dx.doi.org/10.1016/S0065-3527(08)00402-8</p>

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		[X] DE19513403 (BASF AG [DE]) [X] 1-17 * the whole document *;
		[X] WO2004096418 (UNIV TSINGHUA [CN], et al) [X] 1-17 * the whole document *;
		[A] US4804724 (HARRIS JAMES E [US], et al) [A] 1-17 * the whole document *
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		→ US4268635
		→ DE19513403
		→ WO2004096418
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		→ EP2000492
		→ EP0030033

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THE MARCONI REVIEW, vol. XLIII, no. 218, 1980, pages 156-175, Rugby, GB; R.M. LANGDON: "Vibratory process control transducers"

IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. IM-32, no. 3, September 1983, pages 434-437, IEEE, New York, US; E. STEMME et al.: "Measuring liquid density with a tuning-fork transducer"

I.S.A. TRANSACTIONS, vol. 20, no. 3, 1981, pages 67-75, Research Triangle Park, NC, US; B.W. BALLS: "A new on-line density meter for viscous liquids and slurries"

Farnham Surrey (GB)

Representative: **Stoole, Brian David et al Schlumberger Electronics (U.K.) Limited 124 Victoria Road Farnborough Hampshire GU14 7PW (GB)**

Non patent literature

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EP 0 282 251 B1

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Publication number: **0 282 251 B1**

EUROPEAN PATENT SPECIFICATION

Date of publication of patent specification: 17.02.93 Int. Cl. G01N 9/00, G01N 11/16
Application number: 8331967.2
Date of filing: 07.03.88

Fluid transducer.

Priority: 11.03.87 GB 8705757
Date of publication of application: 14.06.88 Bulletin 8637
Publication of the grant of the patent: 17.02.93 Bulletin 9397
Designated Contracting States: AT BE CH DE FR IT LI NL SE

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THE MARCONI REVIEW, vol. XLIII, no. 218, 1980, pages 156-175, Rugby, GB; R.M. LANGDON: "Vibratory process control transducers"
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. IM-32, no. 3, September 1983, pages 434-437, IEEE, New York, US; E. STEMME et al.: "Measuring liquid density with a tuning-fork transducer"
I.S.A. TRANSACTIONS, vol. 20, no. 3, 1981, pages 67-75, Research Triangle Park, NC, US; B.W. BALLS: "A new on-line density meter for viscous liquids and slurries"

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Third party observations

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26.05.2017	Additional comments submitted with observation	PDF (15p.)	PDF (15p.), ZIP(XML + TIFFs)
24.04.2017	Third Party Observation 	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)
24.04.2017	Third Party Observation 	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)
16.03.2017	International Search Report	PDF (4p.)	PDF (4p.), ZIP(XML + TIFFs)
16.03.2017	Written Opinion of the International Search Authority	PDF (9p.)	PDF (9p.), ZIP(XML + TIFFs)
16.03.2017	Search Strategy	PDF (1p.)	PDF (1p.), ZIP(XML + TIFFs)

Third party observations

Applicant's or agent's file reference 16F064-PCT	
International application number PCT/JP2016/071237	International filing date (day/month/year) 20 Jul 2016 (20/07/2016)
Applicant (EN) HIROSHIMA UNIVERSITY (+1)	
Third party observation submitted by Anonymous	Observation submitted on behalf of
Date of submission(day/month/year) 17 Jun 2017 (17/06/2017)	Language of observation Japanese

Citation # 1(Periodical article) (# uploaded documents)

Author: Tae Sub Park	Title of article: Targeted gene knockout in chickens mediated by TALENs	Title of Periodical: Proc Natl Acad Sci U S A.	Publication Date: 02 Sep 2014 (02/09/2014)
Issue Number of Periodical: 111	Publisher of Periodical:	Place of publication:	
Page range of article within periodical: 2716-12721	ISBN:	ISSN:	
DOI:			
Most relevant passages or drawings: p12719 Discussion		Relevant to Claims: 1-2, 4-17	
Brief explanation of relevance: Discussionには、TALENsのゲノム編集技術を用いて、アレルギーの原因であるovomucoidをノックアウトした卵作成が可能であることが開示され、さらにCRISPR-Casゲノム編集技術も利用可能であることが開示されている。従って、CRISPR-Casゲノム編集技術で鶏のovomucoid遺伝子をノックアウトすることは容易に思いつく(進歩性の否定)。			

Reference

Explanation

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Agomelatine hydrobromide hydrate and preparation thereof

Abstract

An agomelatine hydrobromide hydrate of formula (I), in which X is Br, preparation method and use thereof as well as pharmaceutical composition containing it are provided. The solubility of the agomelatine hydrobromide hydrate obtained by the present method is significantly higher than that of agomelatine. Therefore, it is more suitable for manufacturing pharmaceutical formulations. In addition, the product has higher stability and purity. The present product of high purity can be obtained through a simple process, rather than process with complicated steps.

Classifications

C07C233/18 Carboxylic acid amides having carbon atoms of carboxamide groups bound to hydrogen atoms or to acyclic carbon atoms having the nitrogen atom of at least one of the carboxamide groups bound to a carbon atom of a hydrocarbon radical substituted by singly-bound oxygen atoms with the substituted hydrocarbon radical bound to the nitrogen atom of the carboxamide group by an acyclic carbon atom having the carbon atom of the carboxamide group bound to a hydrogen atom or to a carbon atom of an acyclic saturated carbon skeleton

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WO2011113363A1

WO Application

Application number: PCT/CN2011/071912

Other languages: [French](#)

Inventor: [Hanbin Shan](#) , [Zhedong Yuan](#) , [Xueyan Zhu](#) , [Peng Zhang](#) , [Hongjuan Pan](#) , [Xiong Yu](#)

Original Assignee: [Les Laboratoires Servier](#)

Priority date: [2010-03-17](#)

Filing date: [2011-03-17](#)

Publication date: [2011-09-22](#)

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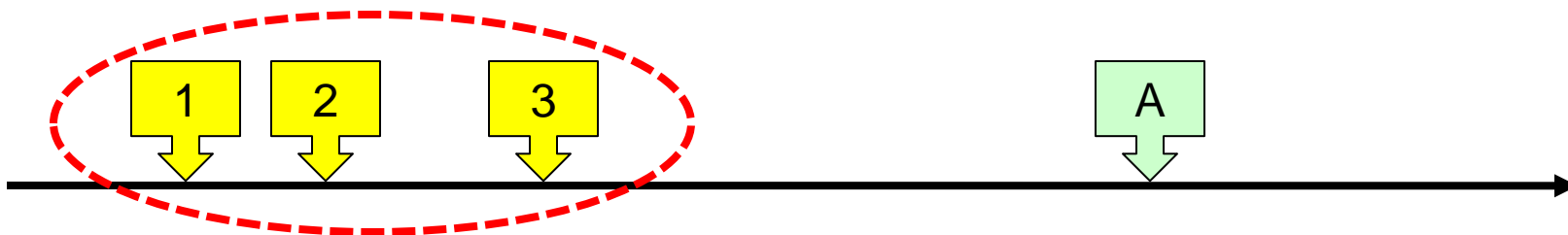
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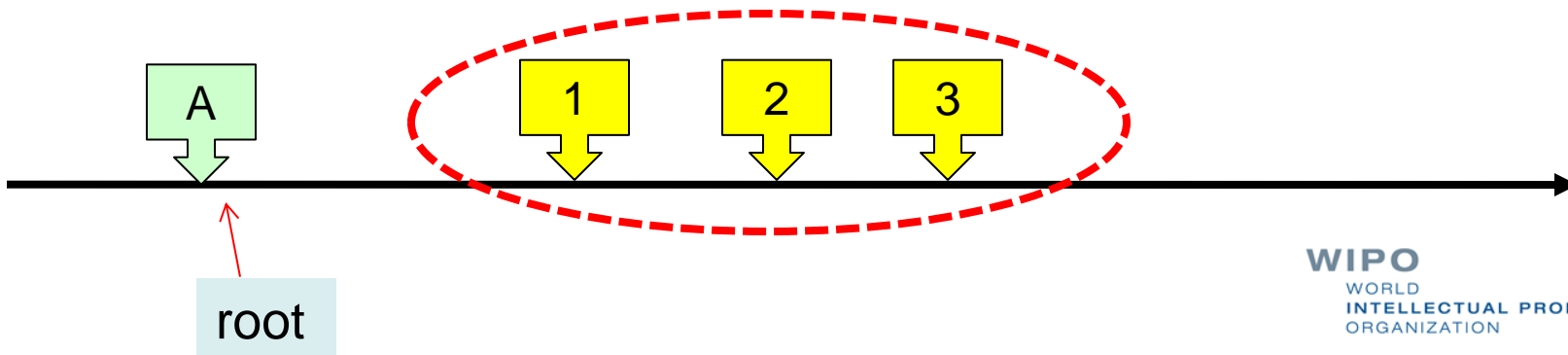
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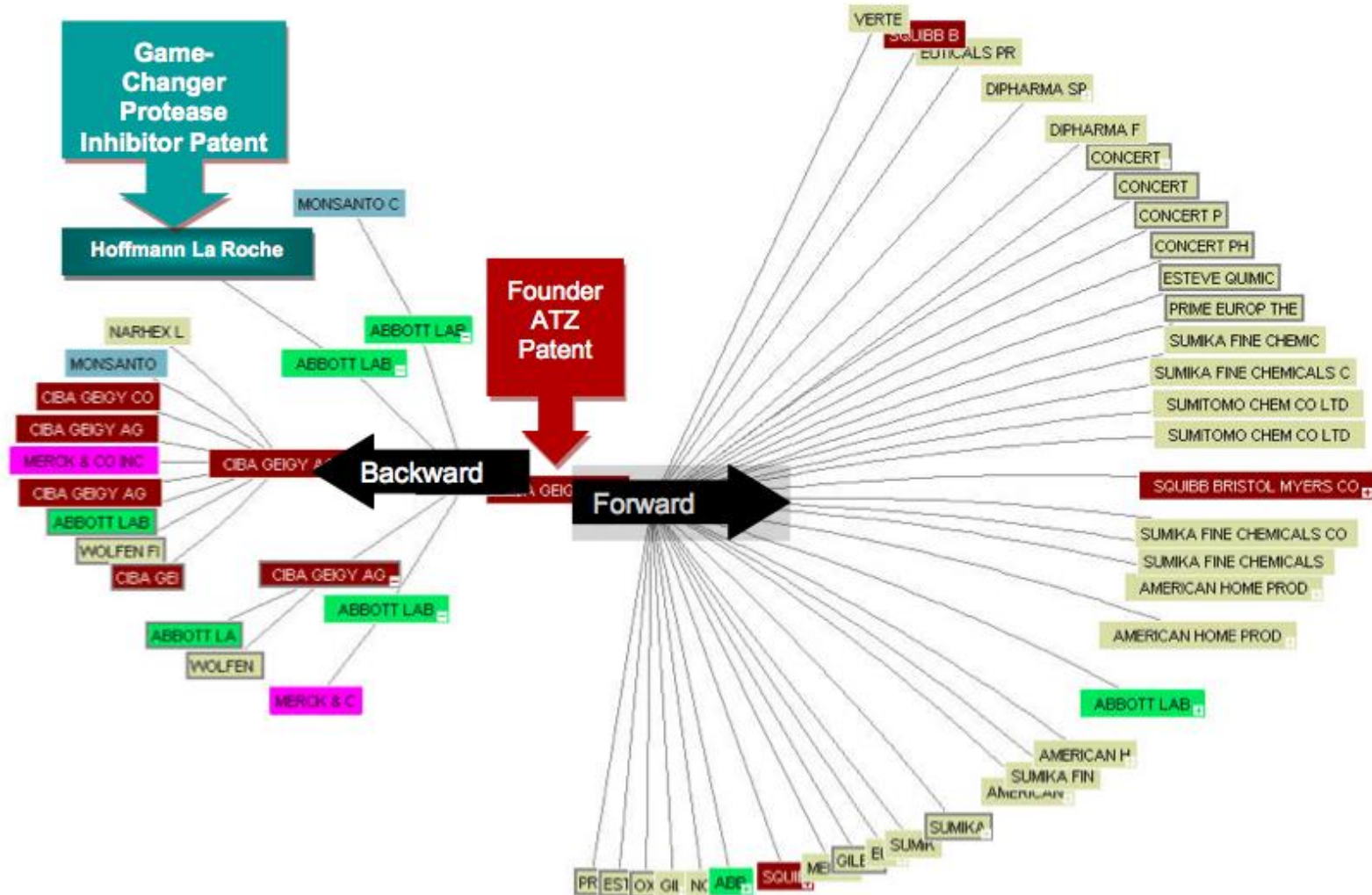


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1. Agomelatine methanesulfonic acid complex and preparation method thereof

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
HAIPING WANG CHENG CHI (+3)	SHANGHAI RIGHT HAND MEDICAL TECHNOLOGY DEV CO LTD	A61K31/165 A61P1/00 A61P25/00 (+6)	A61K31/165 A61P1/00 A61P25/00 (+6)	CN102718675 (A) 2012-10-10 CN102718675 (B) 2015-03-25	2012-06-07

2. SOLID PHARMACEUTICAL COMPOSITION FOR ORALLY DELIVERING AGOMELATINE

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
THARRAULT FRANCOIS [FR] POIRIER CECILE [FR] (+2)	SERVIER LAB [FR] THARRAULT FRANCOIS [FR] (+3)	A61K31/165 A61K9/0056 A61K9/006 (+3)	A61K31/165 A61K9/00 A61K9/20	WO2013021139 (A1) 2013-02-14	2011-08-10

3. Solid pharmaceutical composition for buccal administration of agomelatine

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
THARRAULT FRANCOIS [FR] POIRIER CECILE [FR] (+2)	SERVIER LAB [FR]	A61K31/165 A61K9/0056 A61K9/006 (+3)	A61K31/165 A61K9/00 A61K9/20	EP2556824 (A1) 2013-02-13	2011-08-10

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examples: EP1612402, US2006000447A1, JP20090214944

EP20040425480

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	X		US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985 Column 2, line 22 - column 2, line 23 Figure 1	1-5
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	A		EP0299337 A2 (IVECO FIAT [IT], et al) - 18 Jan 1988 Figure 1	
	A		DE19714489 C1 (SIEMENS AG [DE]) - 1 October 1998 Figure 1	1-8
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3	DE		Application N° DE200460002105T (DE602004002105) - 30 June 2004	
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Full document: US 4501246 (A)

United States Patent and Trademark Office
Leblanc et al. [45] Date of Patent: 2/13/1985

[54] FUEL INJECTION PUMP

Jean Leblanc, Lyons, France
Robert Bosch GmbH, Stuttgart, Fed. Rep. of Germany

App. No.: 397,712
Filed: Jul. 13, 1982

[56] Foreign Application Priority Data

Jul. 22, 1980 [EP] Fed. Rep. of Germany 3128975

[51] Int. Cl. F02M 39/00
[52] U.S. Cl. 123/449; 123/458; 417/487; 417/519

[58] Field of Search 417/487, 519, 221, 244, 417/253, 462, 505; 123/449, 450, 458, 502, 500, 506

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1937	Planiol	123/451
1944	Skaredoff	123/450
1968	Eheim et al.	123/449
1971	Voit et al.	417/505
1978	Hofer et al.	123/449
4,378,775	4/1983 Straubel et al.	123/458
4,382,751	5/1983 Potter	123/458 X
4,385,610	5/1983 Leblanc	123/449

A fuel injection pump is proposed metering during the intake stroke of the fuel injection pump is effected through the cross section of which is electrically controlled switching means of the control of a fuel supply pressure conduit by means of a control communicates with the pump which is part of a distributor shaft, is guided through a groove and the possibility of an angular longitudinal displacement of the angular position at which injection is embodied in an arbitrary manner in switching valve.

5 Claims, 2 Drawing

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A box encircles language equivalents.

The DE publication is a German translations of the JP publication.

The screenshot displays the 'Trilateral - CCD' interface. At the top, the search number 'EP1612402' is entered. Below it, the citation 'EP20040425480' is highlighted. The main area shows a table of citations with columns for 'Application', 'Cat.', 'Citation details', and 'Claims'. The citation 'EP20040425480' is selected, and its details are shown in a pop-up window. The details include the citation number 'DE10345154 A1 (DENSO CORP [JP])', the date '22 April 2004', and the page and paragraph information 'Page 3, paragraph 19' and 'Figure 1'. The 'Claims' column shows '1-3'. To the right, the 'Bibliographic data' for 'DE 10345154 (A1)' is displayed, including the title 'Hochdruck-kraftstoffpumpe für einen verbrennungsmotor', the publication date '22 April 2004', the inventor 'WATANABE TOSHIKAZU [JP]', the applicant 'DENSO CORP [JP]', and various classifications. The application number is 'DE20031045154 20030929' and the priority number is 'JP20020286361 20020930'. A yellow box highlights the citation 'DE10345154 A1 (DENSO CORP [JP])' in the table, and another yellow box highlights the citation 'JP2000130288 A (TOYOTA MOTOR CORP)' in the table, with a note indicating that the DE publication is a German translation of the JP publication.

Application	Cat.	Citation details	Claims
US20050095425		US6889656 B1 (BOSCH GMBH ROBERT [DE]) - 17 - 10 May 2005	
US20050095425		US6823845 B1 (BOSCH GMBH ROBERT [DE]) - 30 November 2004	
US20050095425		US6823845 B2 (BOSCH GMBH ROBERT [DE]) - 25 May 2004	
EP20040425480	x	DE10345154 A1 (DENSO CORP [JP]) - 22 April 2004 Page 3, paragraph 19 Figure 1	1-3
JP20090214944		JP2004124727 A (DENSO CORP) - 22 April 2004	
US20050095425		DE10345154 A1 (DENSO CORP [JP]) - 22 April 2004	
JP20090214944		JP2004011448 A (NIPPON SOKEN, et al) - 15 January 2004	
US20050095425		US6497216 B2 (BOSCH GMBH ROBERT [DE]) - 24 December 2002	
US20050095425		US6439199 B2 (BOSCH REXROTH CORP [US]) - 27 August 2002	
US20050095425		US6311674 B1 (DENSO CORP [US]) - 6 November 2001	
US20050095425		US6253734 B1 (BOSCH GMBH ROBERT [US]) - 3 July 2001	
US20050095425		US6234148 B1 (SIEMENS AG [US]) - 22 April 2001	
JP20090214944		JP2001107776 A (NISSAN MOTOR) - 17 July 2001	
JP20090214944		JP2000130288 A (TOYOTA MOTOR CORP) - 10 November 2000	
JP20090214944		JP11230005 A (NIPPON SOKEN, et al) - 10 November 2000	
JP20090214944		JP10299611 A (NIPPON SOKEN) - 10 November 2000	
EP20040425480	A	DE19714489 C1 (SIEMENS AG [DE]) - 1 August 2000 Figure 1	
US20050095425		DE19714489 C1 (SIEMENS AG [DE]) - 1 August 2000	
US20050095425		US5619970 A (LUCAS IND PLC [GB]) - 15 April 1997	
US20050095425		US4957084 A (BOSCH GMBH ROBERT [DE]) - 18 September 1990	
US20050095425		US4884545 A (IVECO FIAT [IT], et al) - 5 December 1989	
EP20040425480	A	EP0299337 A2 (IVECO FIAT [IT], et al) - 18 January 1989 Figure 1	1-8
US20050095425		EP0299337 A2 (IVECO FIAT [IT], et al) - 18 January 1989	

Bibliographic data: DE 10345154 (A1)

Hochdruck-kraftstoffpumpe für einen verbrennungsmotor

Publication date: 22 April 2004

Inventor(s): WATANABE TOSHIKAZU [JP]

Applicant(s): DENSO CORP [JP]

Classifications:

International: F02M59/44; F02M59/06; F02M59/08; F02M59/20; F02M59/46

European: F02M59/08; F02M59/20B; F02M59/46B

Application number: DE20031045154 20030929

Priority number(s): JP20020286361 20020930

Folglich kann die Erzeugung von ungleichmässiger Strömung um die Ventilkugel 15 verhindert werden und die Erzeugung von unnormalem Geräusch kann verhindert werden.

US citations in CCD

18 US

Application N°

US20070301700 (US12301700) - 22 May 2007

National Search Report

US2004127551 A1 (ZHANG KAI, , et al) - 1 July 2004

US6645528 B1 (ACUSPHERE INC [US]) - 11 November 2003

US5472954 A (CYCLOPS H F [IS])

24.11.2010

Bibliographic Data Sheet

US5472954 A (CYCLOPS H F [IS])

Applicant

24.11.2010

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Non-Final Rejection

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JP2001522816 A - 20 November 2001

JP2002537317 A - 5 November 2002

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Examiner's search strategy and results

JP2003500368 A - 7 January 2003

JP2003500438 A - 7 January 2003

JP2005075783 A (OTSUKA PHARMA FACTORY INC) - 24 March 2005

KR20000061113 A (BOLAK COMPANY LTD [KR], et al) - 16 October 2000

WO9830205 A1 (SONUS PHARMA INC [US]) - 16 July 1998

WO9855148 A1 (JANSSEN PHARMACEUTICA NV [BE], et al) - 10 December 1998

Thank you

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