



Get to Know the Family – Information from the Derwent Bibliography

Ernst Aichinger

Agenda

- Displaying publication information
- An example record in the IBIB display format
- Dates and records explained



Custom display formats for patent family information

Common display formats:

- BRIEF / **IBRIEF** (AN, TI, PA, **PN**, AB)
- BIB / **IBIB** (+ **PIA**, **ADT**, **FDT**, **PRAI**)
- STD / **ISTD** (+ IPC) *DEFAULT*
- ALL / **IALL** (+ classifications)
- FULL / **IFULL** (+ ABEX, TECH)
- MAX / **IMAX** (+ chemical and polymer indexing)

I for INDENTED, e.g. the IBIB display format shows the same fields as BIB, but indented with text labels and patent information in table format.



content

Patent family display format

- FAM (**PI**, **ADT**, **FDT**, **PRAI**)

Indented display formats with different data representation

The BIB display format

AN 2020-B0206V [2020096] WPIX Full-text
 TI New organometallic compound used for forming organic layer of organic light-emitting device
 DC E11; E12; L03; U11; U12
 IN AHN E; AN E; GAO X; HAN D; HAN J; JEON M; JEON M N; JIN H; JIN X; KIM H; KIM H J; KIM S; KO S; KO S B; LEE E; LEE E Y; LEE H; LEE H J; LEE J; LEE J S; LI X; LI Y; LI Z; QUAN M; SEONG B K; SHEN X; SHIN S; SHIN S J; SU A E
 PA (SMSU-C) SAMSUNG DISPLAY CO LTD
 CYC 48

PI	EP 3736278	A1	20201111	(2020096)*	EN	88[4]
	CN 111909215	A	20201110	(2020096)	ZH	
	JP 2020186231	A	20201119	(2020096)	JA	99
	KR 2020130614	A	20201119	(2020096)	KO	
	US 20200358009	A1	20201112	(2020096)	EN	

ADT EP 3736278 A1 EP 2020-166235 20200327; KR 2020130614 A KR 2019-55158 20190510; CN 111909215 A CN 2020-10354580 20200429; JP 2020186231 A JP 2020-81279 20200501; US 20200358009 A1 US 2020-16867060 20200505

PRAI KR 2019-55158 20190510

IPCI C07D0209-82 [N,A]; C07D0213-16 [N,A]; C07D0233-61 [N,A]; C07D0235-14 [N,A]; C07D0239-26 [N,A]; C07D0251-24 [N,A]; C07D0401-14 [N,A]; C07D0403-14 [N,A]; C07D0405-14 [N,A]; C07D0471-04 [N,A]; C07D0487-04 [N,A]; C07D0519-00 [N,A]; C07F0015-00 [I,A]; C07F0015-00 [I,A]; C07F0015-06 [I,A]; C07F0015-06 [I,A]; C07F0005-00 [I,A]; C09K0011-06 [I,A]; C09K0011-06 [I,A]; H01L0051-00 [I,A]; H01L0051-00 [I,A]; H01L0051-50 [I,A]; H01L0051-50 [I,A]; H01L0051-54 [I,A]

The IBIB display format (Indented and patent information in table format)

ACCESSION NUMBER: 2020-B0206V [2020096] WPIX Full-text
 TITLE: New organometallic compound used for forming organic layer of organic light-emitting device
 DERWENT CLASS: E11; E12; L03; U11; U12
 INVENTOR: AHN E; AN E; GAO X; HAN D; HAN J; JEON M; JEON M N; JIN H; JIN X; KIM H; KIM H J; KIM S; KO S; KO S B; LEE E; LEE E Y; LEE H; LEE H J; LEE J; LEE J S; LI X; LI Y; LI Z; QUAN M; SEONG B K; SHEN X; SHIN S; SHIN S J; SU A E
 PATENT ASSIGNEE: (SMSU-C) SAMSUNG DISPLAY CO LTD
 COUNTRY COUNT: 48

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
EP 3736278	A1	20201111	(2020096)*	EN	88[4]	
CN 111909215	A	20201110	(2020096)	ZH		
JP 2020186231	A	20201119	(2020096)	JA	99	
KR 2020130614	A	20201119	(2020096)	KO		
US 20200358009	A1	20201112	(2020096)	EN		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 3736278	A1	EP 2020-166235	20200327
KR 2020130614	A	KR 2019-55158	20190510
CN 111909215	A	CN 2020-10354580	20200429
JP 2020186231	A	JP 2020-81279	20200501
US 20200358009	A1	US 2020-16867060	20200505

PRIORITY APPLN. INFO: KR 2019-55158 20190510

Get information about complex patent families: IBIB

ACCESSION NUMBER: 2017-10773L [201715] WPIX Full-text
CROSS REFERENCE: 2017-10773A; 2017-10773C; 2017-10773F
TITLE: New prodrug of a glutamine analog, useful for treating disease or condition comprising an infection, cancer, an autoimmune disease, an inflammatory disease, and a neurodegenerative or neurological disease
DERWENT CLASS: B05
INVENTOR: JANCARIK A; MAJER P; NEDELCOVYCH M; RAIS R; SLUSHER B;
PATENT ASSIGNEE: (UYJO-C) UNIV JOHNS HOPKINS; (CESK-C) USTAV ORGANICKE .
COUNTRY COUNT: 132

AN (accession number) of record

CR (cross reference) refers to further accession numbers belonging to the same **extended patent family**.

Retrieve all records of extended patent family by SELECT/TRANSFER of CR-field or FSEARCH.

Check records, e.g. D TI 1-

PATENT INFO ABBR. :

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2017023774	A1	20170209	(201715) *	EN		
WO 2017023774	A9	20171123	(201778)	EN		
AU 2016302940	A1	20180222	(201815)	EN		
CA 2994258	A1	20170209	(201818)	EN		
SG 11201800818	A1	20180227	(201826)	EN		
IN 201847005981	A	20180413	(201828)	EN		
EP 3328827	A1	20180606	(201838)	EN		
KR 2018071247	A	20180627	(201845)	KO		
CN 108290827	A	20180717	(201850)	ZH		
US 20180222930	A1	20180809	(201853)	EN		
JP 2018528261	T	20180927	(201865)	JA	169	
BR 112018002087	A2	20180918	(201876)	EN		
EP 3328827	A4	20190313	(201919)	EN		
MX 2018001300	A1	20190314	(201949)	ES		

Get information about complex patent families: IBIB

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CROSS REFERENCE: 2017-10773A; 2017-10773C; 2017-10773F
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DERWENT CLASS: B05
INVENTOR: JANCARIK A; MAJER P; NEDELCOVYCH M; RAIS R; SLUSHER B; ...
PATENT ASSIGNEE: (UYJO-C) UNIV JOHNS HOPKINS; (CESK-C) USTAV ORGANICKE ...
COUNTRY COUNT: 132

PATENT INFO ABBR. :

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2017023774	A1	20170209	(201715) *	EN		
WO 2017023774	A9	20171123	(201778)	EN		
AU 2016302940	A1	20180222	(201815)	EN		
CA 2994258	A1	20170209	(201818)	EN		
SG 11201800818	A1	20180227	(201826)	EN		
IN 201847005981	A	20180413	(201828)	EN		
EP 3328827	A1	20180606	(201838)	EN		
KR 2018071247	A	20180627	(201845)	KO		
CN 108290827	A	20180717	(201850)	ZH		
US 20180222930	A1	20180809	(201853)	EN		
JP 2018528261	T	20180927	(201865)	JA	169	
BR 112018002087	A2	20180918	(201876)	EN		
EP 3328827	A4	20190313	(201919)	EN		
MX 2018001300	A1	20190314	(201949)	ES		

The number of countries results from the patent publications of the covered offices and the designated states. To display designated states, type **D PI**

Get information about complex patent families: IBIB

ACCESSION NUMBER: 2017-10773L [201715] WPIX Full-text
CROSS REFERENCE: 2017-10773A; 2017-10773C; 2017-10773F
TITLE: New prodrug of a glutamine analog, useful for treating a disease or condition comprising an infection, cancer, an autoimmune disease, an inflammatory disease, and a neurodegenerative or neurological disease
DERWENT CLASS: B05
INVENTOR: JANCARIK A; MAJER P; NEDELCOVYCH M; RAIS R; SLUSHER B; ...
PATENT ASSIGNEE: (UYJO-C) UNIV JOHNS HOPKINS; (CESK-C) USTAV ORGANICKE ...
COUNTRY COUNT: 132

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EP 3328827	A1	20180606	(201838)	EN		
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BR 112018002087	A2	20180918	(201876)	EN		
EP 3328827	A4	20190313	(201919)	EN		
MX 2018001300	A1	20190314	(201949)	ES		

DWPI patent family comprises the basic patent (*) and equivalent patent family members.

Subsections of PI-field can be searched separately

ACCESSION NUMBER: 2017-10773L [201715] WPIX F
 CROSS REFERENCE: 2017-10773A; 2017-10773C; 201
 TITLE: New prodrug of a glutamine and
 disease or condition compris
 an autoimmune disease; an inf
 neurodegenerative or neurolog
 B05
 DERWENT CLASS: JANCARIK A; MAJER P; NEDELCOV
 INVENTOR: (UYJO-C) UNIV JOHNS HOPKINS;
 PATENT ASSIGNEE: UNIV JOHNS HOPKINS;
 COUNTRY COUNT: 132
 PATENT INFO ABBR.:

- Patent number (/PN) (or use PNK)
- Patent country (/PC) can be searched separately
- Patent kind code (/PK) (HELP KIND)
- Publication date (/PD) or year (/PY)
- Derwent week (/DW) (104 updates per year, from 2020 onwards YYYYWWW)

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2017023774	A1	20170209	(201715) *	EN		
WO 2017023774	A9	20171123	(201778)	EN		
AU 2016302940	A1	20180222	(201815)	EN		
CA 2994258	A1	20170209	(201818)	EN		
SG 11201800818	A1	20180227	(201826)	EN		
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EP 3328827	A4	20190313	(201919)	EN		
MX 2018001300	A1	20190314	(201949)	ES		

All data pertaining to one document is listed in one line and can be linked using the **(P)**-operator, e.g.:
 S KRA1/PK (P) 2018/PY

Application details with IBIB

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2017023774	A1	WO 2016- US44767	20160729
US 20180222930	A1 Provisional	US 2015- 199566P	20150731
US 10336778	B2 Provisional	US 2015- 199566P	20150731
US 20190315784	A1 Provisional	US 2015- 199566P	20150731
US 20190315783	A1 Provisional	US 2015- 199566P	20150731
US 10738066	B2 Provisional	US 2015- 199566P	20150731
AU 2016302940	A1	AU 2016- 302940	20160729
CA 2994258	A1	CA 2016- 2994258	20160729
CN 108290827	A	CN 2016- 80057659	20160729
EP 3328827	A1	EP 2016- 833623	20160729
EP 3328827	A4	EP 2016- 833623	20160729
WO 2017023774	A9	WO 2016- US44767	20160729
AU 2016302940	A1 PCT Application	WO 2016- US44767	20160729
CA 2994258	A1 PCT Application	WO 2016- US44767	20160729
SG 11201800818	A1 PCT Application	WO 2016- US44767	20160729
IN 201847005981	A PCT Application	WO 2016- US44767	20160729
EP 3328827	A1 PCT Application	WO 2016- US44767	20160729
KR 2018071247	A PCT Application	WO 2016- US44767	20160729
CN 108290827	A PCT Application	WO 2016- US44767	20160729
US 20180222930	A1 CIP of	WO 2016- US44767	20160729
JP 2018528261	T PCT Application	WO 2016- US44767	20160729
BR 112018002087	A2 PCT Application	WO 2016- US44767	20160729
MX 2018001300	A1 PCT Application	WO 2016- US44767	20160729
US 10336778	B2 CIP of	WO 2016- US44767	20160729
HK 1256284	A0 PCT Application	WO 2016- US44767	20160729

Application details help to clarify the relationships between family members.

The patent number for the application and the corresponding application number are listed in the same line.

Searching application information

APPLICATION DATA

Application Type (/APT)

Application County (/AC)

Application Number (/AP)
When application and priority application numbers have both to be searched for, the super-search field /APPS is suitable.

Application Date (/AD)
Application Year (/AY)

Data belonging to one document are listed in one line and can be linked using the (P)-operator.

PATENT NO	KIND	APPLICATION	DATE
WO 2017023774	A1	WO 2016- US44767	20160729
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US 10336778	B2 Provisional	US 2015- 199566P	20150731
US 20190315784	A1 Provisional	US 2015- 199566P	20150731
US 20190315783	A1 Provisional	US 2015- 199566P	20150731
US 10738066	B2 Provisional	US 2015- 199566P	20150731
AU 2016302940	A1	AU 2016- 302940	20160729
CA 2994258	A1	CA 2016- 2994258	20160729
CN 108290827	A	CN 2016- 80057659	20160729
EP 3328827	A1	EP 2016- 833623	20160729
EP 3328827	A4	EP 2016- 833623	20160729
WO 2017023774	A9	WO 2016- US44767	20160729
AU 2016302940	A1 PCT Application	WO 2016- US44767	20160729
CA 2994258	A1 PCT Application	WO 2016- US44767	20160729
SG 11201800818	A1 PCT Application	WO 2016- US44767	20160729
IN 201847005981	A PCT Application	WO 2016- US44767	20160729
EP 3328827	A1 PCT Application	WO 2016- US44767	20160729
KR 2018071247	A PCT Application	WO 2016- US44767	20160729
CN 108290827	A PCT Application	WO 2016- US44767	20160729
US 20180222930	A1 CIP of	WO 2016- US44767	20160729
JP 2018528261	T PCT Application	WO 2016- US44767	20160729
BR 112018002087	A2 PCT Application	WO 2016- US44767	20160729
MX 2018001300	A1 PCT Application	WO 2016- US44767	20160729
US 10336778	B2 CIP of	WO 2016- US44767	20160729
HK 1256284	A0 PCT Application	WO 2016- US44767	20160729

A set of application types describe relationships

APPLICATION D Application Type (/APT)

PATENT NO	KIND	APPLICATION	DATE
WO 2017023774	A1	WO 2016- US44767	20160729
US 20180222930	A1 Provisi onal	US 2015- 199566P	20150731
US 10336778	B2 Provisi onal	US 2015- 199566P	20150731
US 20190315784	A1 Provisi onal	US 2015- 199566P	20150731
US 20190315783	A1 Provisi onal	US 2015- 199566P	20150731
US 10738066	B2 Provisi onal	US 2015- 199566P	20150731
AU 2016302940	A1	AU 2016- 302940	20160729
CA 2994258	A1	CA 2016- 2994258	20160729
CN 108290827	A	CN 2016- 80057659	20160729
EP 3328827	A1	EP 2016- 833623	20160729
EP 3328827	A4	EP 2016- 833623	20160729
WO 2017023774	A9	WO 2016- US44767	20160729
AU 2016302940	A1 PCT Application	WO 2016- US44767	20160729
CA 2994258	A1 PCT Application	WO 2016- US44767	20160729
SG 11201800818	A1 PCT Application	WO 2016- US44767	20160729
IN 201847005981	A PCT Application	WO 2016- US44767	20160729
EP 3328827	A1 PCT Application	WO 2016- US44767	20160729
KR 2018071247	A PCT Application	WO 2016- US44767	20160729
CN 108290827	A PCT Application	WO 2016- US44767	20160729
US 20180222930	A1 CIP of	WO 2016- US44767	20160729
JP 2018528261	T PCT Application	WO 2016- US44767	20160729
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US 10336778	B2 CIP of	WO 2016- US44767	20160729
HK 1256284	A0 PCT Application	WO 2016- US44767	20160729

To list application types: E A/APT

Add to	Addition to
Application No	Application Number
CIP of	Continuation-in-part of
Cont of	Continuation of
Derived from	Derived from
Div ex	Division from
Div util	Division from Utility
PCT Application	PCT Application
PCT Nat. Entry	PCT National Phase Entry
Previous Appln	Previous Application
Provisional	Provisional
Related to	Related to
Subst for	Substitution for
Supp Discl	Supplementary disclosure

Application types can be authority specific, e.g.

- CIP OF, CONT OF and PROVISIONALS are US-specific
- PREVIOUS APPLN is EP-specific

Filing details and priorities with IBIB

FILING DETAILS:

PATENT NO	KIND		PATENT NO
HK 1256284	A0	Related to	EP 3328827 A
US 10336778	B2	Previous Publ	US 2018222930 A
US 10738066	B2	Previous Publ	US 2019315784 A
US 20190315784	A1	Cont of	US 10336778 B
US 20190315783	A1	Div Ex	US 10336778 B
US 10738066	B2	Cont of	US 10336778 B
AU 2016302940	A1	Based on	WO 2017023774 A
CA 2994258	A1	Based on	WO 2017023774 A
SG 11201800818	A1	Based on	WO 2017023774 A
IN 201847005981	A	Based on	WO 2017023774 A
EP 3328827	A1	Based on	WO 2017023774 A
KR 2018071247	A	Based on	WO 2017023774 A
CN 108290827	A	Based on	WO 2017023774 A
JP 2018528261	T	Based on	WO 2017023774 A
BR 112018002087	A2	Based on	WO 2017023774 A
MX 2018001300	A1	Based on	WO 2017023774 A
HK 1256284	A0	Based on	WO 2017023774 A
EA 34571	B1	Based on	WO 2017023774 A
IN 349420	B	Based on	WO 2017023774 A

PRIORITY	APPLN.	INFO:	
	US	2015- 199566P	20150731
	EP	2016- 833623	20160729
	WO	2016- US44767	20160729
	US	2018- 885258	20180131
	US	2019- 16454853	20190627
	US	2019- 16454880	20190627

The filing details field contains **relationships among patent numbers** that are not represented in the PI and ADT tables, e.g. for divisions, or continuations.

Subsections of FDT-field can be searched separately. Use (P) proximity to link data pertaining to one entry in the filing details.

The priority number format follows the application number format, but with more countries covered.

Use the (S) proximity operator to search within one entry of priority information.

Filing details and priorities with IBIB

FILING DETAILS:

PATENT NO	KIND		PATENT NO
HK 1256284	A0	Related to	EP 3328827 A
US 10336778	B2	Previous Publ	US 2018222930 A
US 10738066	B2	Previous Publ	US 2019315784 A
US 20190315784	A1	Cont of	US 10336778 B
US 20190315783	A1	Div Ex	US 10336778 B
US 10738066	B2		
AU 2016302940	A1		A
CA 2994258	A1		A
SG 11201800818	A1	Based on	WO 2017023774 A
IN 201847005981	A	Based on	WO 2017023774 A
EP 3328827	A1	Based on	WO 2017023774 A
KR 2018071247	A	Based on	WO 2017023774 A
CN 108290827	A	Based on	WO 2017023774 A
JP 2018528261	T	Based on	WO 2017023774 A
BR 112018002087	A2	Based on	WO 2017023774 A
MX 2018001300	A1	Based on	WO 2017023774 A
HK 1256284	A0	Based on	WO 2017023774 A
EA 34571	B1	Based on	WO 2017023774 A
IN 349420	B	Based on	WO 2017023774 A

Filing Details, Type (/FDT.TP)

- Types of relationships (E A/FDT.TP):**
- ADD IN
 - ADD TO
 - BASED ON
 - CIP OF
 - CMEA NO
 - CONT OF
 - DIV EX
 - DIV IN
 - PREVIOUS APPLN
 - PREVIOUS PUBL
 - REISSUE OF
 - RELATED TO
 - SUBST FOR

Filing Details, Patent Number (/FDT.PN) or search with /FDT

PRIORITY APPLN. INFO: US 2015-199566P

20150731

Priority Application Date (/PRD)
First PRD with /PRDF

Priority Application Year (/PRY)
First PRY with /PRYF

Priority application country (/PRC)

Priority application number (/PRN)

EP 2016-333623	20160729
WO 2016-US44767	20160729
US 2018-095959	20180101
US 2019-16454880	20190627

HK patent application based on EP

FILING DETAILS:

PATENT NO	KIND		PATENT NO
HK 1256284	A0	Related to	EP 3328827 A
US 10336778	B2	Previous Publ	US 2018222930 A
US 10738066	B2	Previous Publ	US 2019315784 A
US 20190315784	A1	Cont. of	US 10336778 B
US 20190315783	A1		
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AU 2016302940	A1		
CA 2994258	A1		
SG 11201800818	A1		
IN 201847005981	A		
EP 3328827	A1		
KR 2018071247	A		
CN 108290827	A	Based on	WO 2017023774 A
JP 2018528261	T	Based on	WO 2017023774 A
BR 112018002087	A2	Based on	WO 2017023774 A
MX 2018001300	A1	Based on	WO 2017023774 A
HK 1256284	A0	Based on	WO 2017023774 A
EA 34571	B1	Based on	WO 2017023774 A
IN 349420	B	Based on	WO 2017023774 A

Legal status information from INPADOCDB: Listed in the EP document (EP3328827):

20190920 EPREG
HKDE

REFERENCE TO A NATIONAL CODE
HK: REQUESTS TO DESIGNATE PATENT IN HONG KONG
HK 1256284
ENP Entry into National Phase
**20190926**

PRIORITY APPLN. INFO:	US	2015-199566P	20150731
	EP	2016-833623	20160729
	WO	2016-US44767	20160729
	US	2018-885258	20180131
	US	2019-16454853	20190627
	US	2019-16454880	20190627

Agenda

- Displaying publication information
- An example record in the IBIB display format
- **Dates and records explained**



Where to find filing and publication dates? (1/2)

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization

International Bureau



(10) International Publication Number

WO 2017/023774 AI

(43) International Publication Date
9 February 2017 (09.02.2017)

(51) International Patent Classification:

C07C 227/14 (2006.01) **A61K 31/404** (2006.01)
C07D 209/10 (2006.01) **A61K 31/66** (2006.01)
C07F 9/06 (2006.01) **A61K 31/7076** (2006.01)
C07D 317/40 (2006.01)

(21) International Application Number:

PCT/US20 16/044767

(22) International Filing Date:

29 July 2016 (29.07.2016)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

62/199,566 31 July 2015 (31.07.2015) US

(71) Applicants: **THE JOHNS HOPKINS UNIVERSITY**

[US/US]; 3400 North Charles Street, Baltimore, Maryland

ville, Maryland 21784 (US). **JANCARIK, Andrej**; Pod Moravii 13 15, 7422 1 Koprivnice (CZ). **NEDELCOV-YCH, Mike**; 406 N. Nansemond Street, Richmond, Virginia 23221 (US).

(74) Agent: **CHILDERS, Jeffrey W.**; W

5430 Wade Park Blvd., Raleigh, North Carolina 27607 (US).

(81) Designated States (unless otherwise indicated, all designated states)

kind of national protection available): AO, AT, AU, AZ, BA, BB, BG, BH, BR, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,

INID - Internationally agreed Numbers for the Identification of (bibliographic) Data
Publication date: 43
Filing date: 22

Where to find filing and publication dates? (2/2)

ACCESSION NUMBER: 2017- 10773L [201715]
TITLE: New prodrug of a glutamine analog, useful for treating a disease or condition comprising an infection, cancer, an autoimmune disease, an inflammatory disease, and a neurodegenerative or neurological disease
PATENT ASSIGNEE: (UYJO- C) UNIV JOHNS HOPKINS; (CESK- C) USTAV ORGANICKE
PATENT INFO ABBR. :

Publication date (/PD)

Derwent week (/DW) specifies the date available on STN

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
WO 2017023774	A1	20170209	(201715)*	EN			
WO 2017023774	A9	20171123	(201778)	EN			
AU 2016302940	A1	20180222	(201815)	EN			
CA 2994258	A1	20170209	(201818)	EN			
SG 11201800818	A1	20180227	(201826)	EN			
IN 201847005981	A	20180413	(201828)	EN			
...							

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2017023774	A1	WO 2016- US44767	20160729
US 20180222930	A1 Provisional	US 2015- 199566P	20150731
US 10336778	B2 Provisional	US 2015- 199566P	20150731
US 20190315784	A1 Provisional	US 2015- 199566P	20150731
US 20190315783	A1 Provisional	US 2015- 199566P	20150731
US 10738066	B2 Provisional	US 2015- 199566P	20150731
AU 2016302940	A1	AU 2016- 302940	20160729

Application date (/AD)

More than one application number for one PN

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
CN 108290827	A	CN 2016- 80057659	20160729
EP 3328827	A1	EP 2016- 833623	20160729
EP 3328827	A4	EP 2016- 833623	20160729
WO 2017023774	A9	WO 2016- US44767	20160729
EP 3328827	A1 PCT Application	WO 2016- US44767	20160729
KR 2018071247	A PCT Application	WO 2016- US44767	20160729
CN 108290827	A PCT Application	WO 2016- US44767	20160729
US 20180222930	A1 CIP of	WO 2016- US44767	20160729

Lines without APT information refer to the "actual" application number, whereas lines with APT information refer to "additional" application numbers

The applications is from the PCT application initially filed in US, see WO 2016-US44767.

INID code 21: application number

(12)发明专利申请

(10)申请公布号 CN 108290827 A
(43)申请公布日 2018.07.17

(21)申请号 201680057659.8 安德烈·扬恰日克

(22)申请日 2016.07.29 (74)专利代理机构 北京品源专利代理有限公司 11332
代理人 刘明海 周瑞

(30)优先权数据 62/199,566 2015.07.31 US

(85)PCT国际申请进入国家阶段日 2018.03.30 (51)Int. Cl.
C07C 227/14(2006.01)
C07D 209/10(2006.01)
C07F 9/06(2006.01)
C07D 317/40(2006.01)
A61K 31/404(2006.01)
A61K 31/66(2006.01)

(86)PCT国际申请的申请数据 PCT/US2016/044767 2016.07.29

(87)PCT国际申请的公布数据 WO2017/023774 EN 2017.02.09


Three lines for the Canadian patent number

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2017023774	A1	WO 2016- US44767	20160729
CA 2994258	A1	CA 2016- 2994258	20160729
CA 2994258	A1 PCT Application	WO 2016- US44767	20160729
CA 2994258	A1 PCT Nat. Entry	CA 2016- 2994258	20180130

Information on entry in national phase is provided for several authorities.

INID code 21: application number



Innovation, Sciences et
Développement économique Canada
Office de la Propriété Intellectuelle du Canada

Innovation, Science and
Economic Development Canada
Canadian Intellectual Property Office

CA 2994258 A1 2017/02/09
(21) 2 994 258

**(12) DEMANDE DE BREVET CANADIEN
CANADIAN PATENT APPLICATION**

(13) A1

<p>(86) Date de dépôt PCT/PCT Filing Date: 2016/07/29</p> <p>(87) Date publication PCT/PCT Publication Date: 2017/02/09</p> <p>(85) Entrée phase nationale/National Entry: 2018/01/30</p> <p>(86) N° demande PCT/PCT Application No.: US 2016/044767</p> <p>(87) N° publication PCT/PCT Publication No.: 2017/023774</p> <p>(30) Priorité/Priority: 2015/07/31 (US62/199,566)</p>	<p>(51) Cl.Int./Int.Cl. C07C 227/14 (2006.01), A61K 31/404 (2006.01), A61K 31/66 (2006.01), A61K 31/7076 (2006.01), C07D 209/10 (2006.01), C07D 317/40 (2006.01), C07F 9/06 (2006.01)</p> <p>(71) Demandeurs/Applicants: THE JOHNS HOPKINS UNIVERSITY, US; INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY AS CR V.V.I., CZ</p>
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INID code 86: Filing data of the PCT international application
INID code 87: Publication data of the PCT international application

A division can result in two records: DIV EX (1/2)

ACCESSION NUMBER: 2017-64356T [201767] WPIX Full-text

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2017155335	A1	WO 2017-KR2580	20170309
CN 109298470	A Div Ex	CN 2017-80000863	20170309
CN 108474870	A	CN 2017-80005924	20170309
EP 3376266	A1	EP 2017-763596	20170309
EP 3376266	A4	EP 2017-763596	20170309
KR 2017105437	A	KR 2017-29954	20170309
KR 2018112752	A Div Ex	KR 2017-29954	20170309
KR 1907653	B1	KR 2017-29954	20170309
KR 1916944	B1 Div Ex	KR 2017-29954	20170309
KR 2018084712	A Div Ex	KR 2017-29959	20170309
KR 1916943	B1 Div Ex	KR 2017-29959	20170309
TW 2017041689	A	TW 2017-108093	20170309
TW I627435	B	TW 2017-108093	20170309
CN 108474870	A PCT Application	WO 2017-KR2580	20170309
EP 3376266	A1 PCT Application	WO 2017-KR2580	20170309
JP 2018533068	T PCT Application	WO 2017-KR2580	20170309
US 20190025467	A1 PCT Application	WO 2017-KR2580	20170309
CN 109298470	A	CN 2018-11195410	20170309
JP 2018533068	T	JP 2018-518611	20170309
JP 2019015954	A	JP 2018-75365	20180410
JP 2019015954	A Div Ex	JP 2018-518611	20180410
US 20190025467	A1	US 2018-16068249	20180705
KR 2018084712	A	KR 2018-82577	20180716

This Derwent record shows a CN division, resulting in two patent families.

CN 109298470: division from application number CN 2017-80000863.
The **new application number of CN 109298470** is **CN 2018-11195410**.

A division can result in two records: DIV EX (2/2)

ACCESSION NUMBER: 2017- 64356T

...

PATENT NO	KIND	APPLICATION	DATE
WO 2017155335	A1	WO 2017- KR2580	20170309
CN 109298470	A Div Ex	CN 2017- 80000863	20170309
...			
CN 109298470	A	CN 2018- 11195410	20170309
...			

ACCESSION NUMBER: 2017- 64356R [201767]

...

PATENT NO	KIND	APPLICATION	DATE
WO 2017155337	A1	WO 2017- KR2582	20170309
CN 107635765	A	CN 2017- 80000863	20170309
CN 107635765	B	CN 2017- 80000863	20170309
EP 3251832	A1	EP 2017- 733956	20170309

After the division, the application number CN 2017-80000863 refers to CN 107635765.

- The application number CN 2017-80000863 is listed in **two Derwent records**.
- The application number CN 2018-11195410 is listed in **one Derwent record**.
- The patent numbers are unique – listed in one record only

Contact Us



CAS help@cas.org
www.cas.org

FIZ Karlsruhe

helpdesk@fiz-karlsruhe.de
www.stn-international.de