

PATENTSCOPE Patent Families Strengths

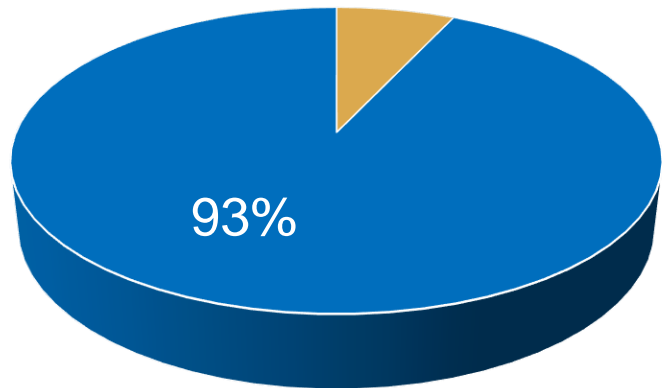
David Diaz Diaz, Data Administrator
Patent Database Section, Global Databases Division
Infrastructure and Platforms Sector

Geneva, November 14, 2022

PATENTSCOPE Patent Families

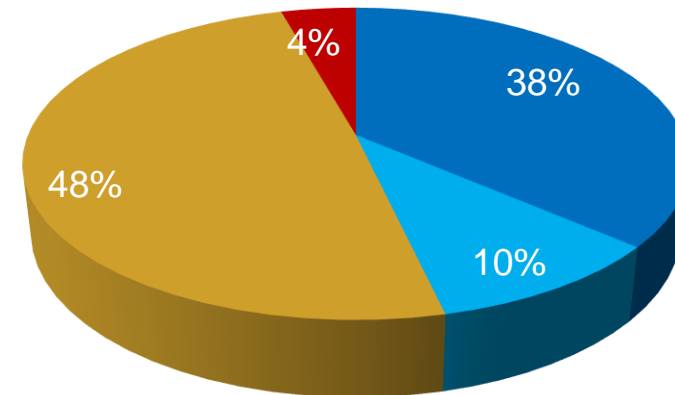
- 9million of PATENTSCOPE Families (>1 member)
- 39 million filings from 76 national collections

PCT filings



■ Filings in families ■ Filings not in families

All offices filings





■ In families
■ Re-published (internal grouping)
■ Not member of a family
■ Not member of a family and claiming priorities

Question



How a family of $2x$ members is as complete as a family of x members?

Question


Espacenet Patent search
 Enter your search terms  **Office/Language**

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Home > Results > **WO2014105867A4**

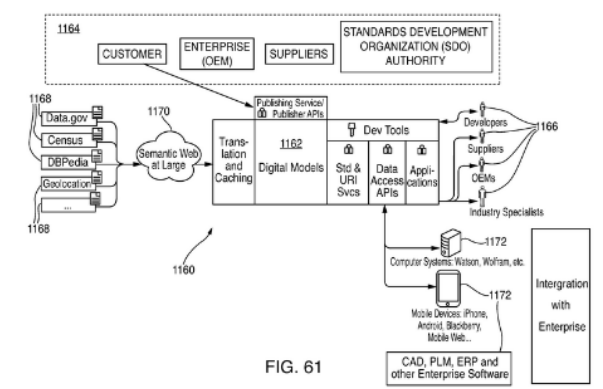
★ **WO2014105867A4 SYSTEMS AND METHODS FOR CREATING, EDITING, STORING AND RETRIEVING KNOWLEDGE CONTAINED IN SPECIFICATION DOCUMENTS**

Bibliographic data ▾

Priorities US201261746730P-2012-12-28; US201313795140A-2013-03-12; US201361889180P-2013-12-10
Application US2013077609W-2013-12-23
Publication WO2014105867A4-2015-04-02
Published as
AU2013370424A1; AU2019264651A1; AU2019264651B2; AU2022200263A1; EP2939104A2; EP2939104A4; EP3252621A1; HK1247682A1; US10685032B2; US2016188686A1; US2020364234A1; WO2014105867A2; WO2014105867A3; WO2014105867A4; WO2014105867A8; WO2014105867A9; WO2014105867A9

03.07.2014
International Application No. PCT/US2013/077609
International Filing Date 23.12.2013
IPC G06F 7/00 2006.1
CPC G06F 16/24573 G06F 16/254 G06F 16/258 G06F 16/30 G06F 16/93 G06F 40/134
[View more classifications](#)
Applicants XSB, INC. [US]/[US] 21 Bennetts Road - Suite 100 Setauket, NY 11733, US
Inventors HOPKINS, Rupert WINCHELL, David POKORNY, Louis WARREN, David VIDREVICH, Tatyana RUED, Christopher WEIDNER, Raymond
Agents GALLAGHER, Thomas A. Gallagher Intellectual Property Law 107 Barclay Drive Stamford, CT 06903, US

DES CONNAISSANCES CONTENUES DANS DES DOCUMENTS DE SPECIFICATION



Abstract

[EN] A system for storing and disseminating knowledge contained in documents includes a document annotator that creates a structured syntactic textual model of each of the documents, an ontology directed extractor that extracts properties from the textual models, a database for storing the textual models and the properties, and an interface permitting queries to the database. The document annotator includes a plurality of data transformers and a plurality of custom annotator tools. The ontology directed extractor includes an ontology based schema definition and a plurality of ontology based data transformers. The user interface includes the ability to view, search, navigate, create, and exchange documents. The creation feature includes a transclusion function.

Related patent documents

[US20140188917](#) [EP2939104](#) [US20160188686](#) [AU2013370424](#) [EP3252621](#) [AU2019264651](#)
[AU2022200263](#)

PATENTSCOPE Patent Families

- Groups of **unique filings** → Families of filings
 - 107 million filings translates into 140 million publications

Other patent family

EP2939104A2, EP2939104A4, WO2014105867A2,
WO2014105867A3, WO2014105867A4, WO2014105867A8,
WO2014105867A9, ...

Patentscope patent family

EP2939104, WO2014105867, ...

PATENTSCOPE Patent Families - Strengths



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WIPO FOR OFFICIAL USE ONLY

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

PATENTSCOPE Patent Families - Strengths

Self-explanatory
and transparent



- ⊕ Custom discovery process updated daily
- ⊕ Dedicated page – Patent family tab
- ⊕ Inclusion criteria

Question



How can I better explore/understand a family?

1. WO2010145668 - NOVEL PHENYLIMIDAZOLE DERIVATIVE AS PDE10A ENZYME INHIBITOR

PCT Biblio. Data Description Claims National Phase **Patent Family** Notices Documents

PermaLink Machine translation ▾

Publication Number

WO/2010/145668

Publication Date

23.12.2010

International Application No.

PCT/DK2010/050147

International Filing Date

17.06.2010

IPC

C07D 403/12 2006.1 C07D 487/04 2006.1

A61K 31/519 2006.1 A61K 31/4353 2006.1

A61K 31/4184 2006.1 A61P 25/00 2006.1

CPC

A61P 25/00 A61P 25/14 A61P 25/16

A61P 25/18 A61P 25/22 A61P 25/24

[View more classifications](#)

Applicants

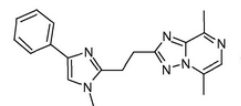
H. LUNDBECK A/S [DK]/[DK]
Ottiliavej 9 DK-2500 Valby, DK

[AllExceptUS]

Title

[EN] NOVEL PHENYLIMIDAZOLE DERIVATIVE AS PDE10A ENZYME INHIBITOR

[FR] NOUVEAU DÉRIVÉ DE PHÉNYLIMIDAZOLE EN TANT QU'INHIBITEUR DE L'ENZYME PDE10A



Abstract

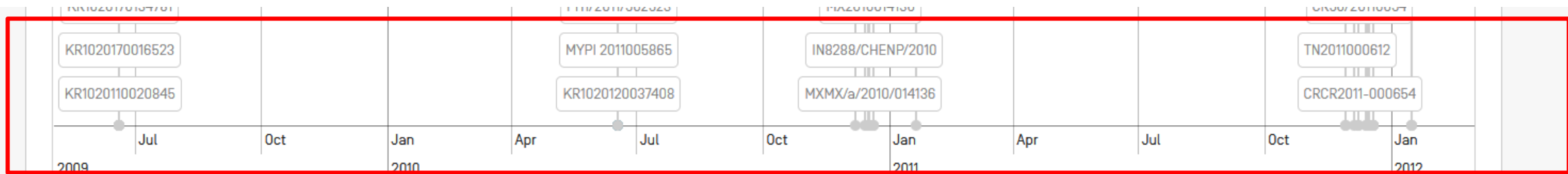
[EN] This invention provides the compound 5,8-Dimethyl-2-[2-[1-methyl-4-phenyl-1H-imidazol-2-yl]-ethyl]-[1,2,4]thiazolo[1,5-a]pyrazine and pharmaceutically acceptable acid addition salts thereof.

[FR] Cette invention porte sur le composé 5,8-diméthyl-2-[2-[1-méthyl-4-phényl-1H-imidazole-2-yl]-éthyl]-[1,2,4]thazolo[1,5-a] pyrazine et sur ses sels d'addition avec les acides pharmaceutiquement acceptables.

Related patent documents

AR072199 PT2318394 SG167426 EP2318394 CN102124002 EA201170061 ES2456349 KR1020110020845 BRPI0915383 AU2009259209 DK2318394
KR1020170016523 VN27932 ID051.1947 MYPI 2010006011 KR1020170134781 JP2011524381 RS53226 PHI/2010/502757 WO/2009/152825 PL2318394 PT2443105
EP2443105 SG176680 US20120190685 CN102482262 EA201270046 ES2527216 KR1020120037408 BRPI1015983 DK2443105 AU2010262190 VN29759
ID2012/01953 MYPI 2011005865 TH155308 JP2012530086 PHI/2011/502523 RS53704 PL2443105 IL209834 NZ589926 CA2728335 EG2010122141
MX2010014136 MXMX/a/2010/014136 CO6321263 IN8288/CHENP/2010 UAa201015420 IL216684 TN2011000612 VN1/029759 CR50/20110654 CRCR2011-000654
MX2011013400 GT201100322 CO6470901 CA2765750 CL2011003205 DOP2011000397 IN9532/CHENP/2011 NZ597203 DODOP2011000397 GE12536/1 GE12536
UAa201200499

Self-explanatory



AR072199 DERIVADOS DE FENILIMIDAZOL COMO INHIBIDORES DE LA ENZIMA PDE10A Appl.No P090102239 Applicant H. LUNDBECK A/S Pub.Kind A1 Pub.Lang es	Inclusion Criteria IC6	Appl.Date 19.06.2009 Pub.Date 11.08.2010
PT2318394 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS Appl.No 09765461 Applicant LUNDBECK & CO AS H Pub.Kind E Pub.Lang pt	Inclusion Criteria IC7	Appl.Date 19.06.2009 Pub.Date 03.04.2014
SG167426 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS Appl.No 2010093532 Applicant H. LUNDBECK A/S Pub.Kind A Pub.Lang en	Inclusion Criteria IC2	Appl.Date 19.06.2009 Pub.Date 28.01.2011
EP2318394 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS Appl.No 09765461 Applicant LUNDBECK & CO AS H Pub.Kind A1,B1 Pub.Lang en	Inclusion Criteria IC2	Appl.Date 19.06.2009 Pub.Date 11.05.2011
CN102124002 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS Appl.No 200980132027.3 Applicant H. 隆德贝克有限公司 Pub.Kind A,B	Inclusion Criteria IC2	Appl.Date 19.06.2009 Pub.Date 13.07.2011
EA201170061 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS Appl.No 201170061 Applicant H. LUNDBECK A/S Pub.Kind A1,B1	Inclusion Criteria IC2	Appl.Date 19.06.2009 Pub.Date 30.08.2011

Question



What is this Inclusion Criteria about?

Inclusion Criteria

IC1 PCT application from which the family originated

IC2 National entry of a PCT application

IC3 National entry of a PCT application not found in PATENTSCOPE

IC4 US application related to another US application already included in the family

IC5 Sole priority inside the family

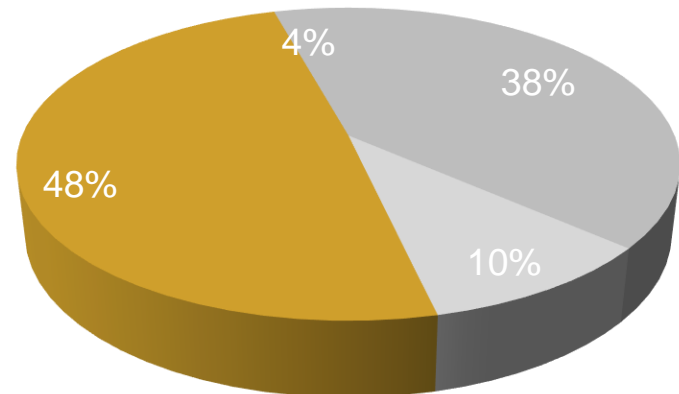
IC6 Connected by priority field

IC7 National application related to another application of the same national office already included in the family

Inclusion Criteria

IC7 National application related to another application of the same national office already included in the family

All offices filings

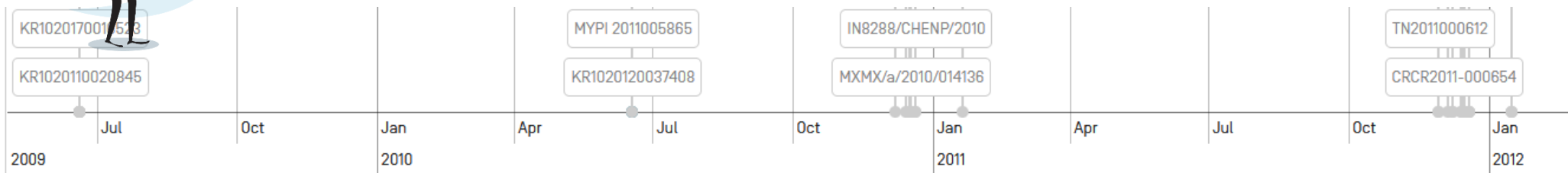


- In families
- Re-published (internal grouping)
- Not member of a family
- Not member of a family and claiming priorities

Inclusion Criteria



Where can I see this Inclusion Criteria?



AR072199 DERIVADOS DE FENILIMIDAZOL COMO INHIBIDORES DE LA ENZIMA PDE10A

Appl.Date 19.06.2009

Appl.No P090102239 Applicant H. LUNDBECK A/S Pub.Kind A1 Pub.Lang es

Inclusion Criteria IC6 Pub.Date 11.08.2010

PT2318394 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS

Appl.Date 19.06.2009

Appl.No 09765461 Applicant LUNDBECK & CO AS H Pub.Kind E Pub.Lang pt

Inclusion Criteria IC7 Pub.Date 03.04.2014

SG167426 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS

Appl.Date 19.06.2009

Appl.No 2010093532 Applicant H. LUNDBECK A/S Pub.Kind A Pub.Lang en

Inclusion Criteria IC2 Pub.Date 28.01.2011

EP2318394 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS

Appl.No 09765461 Applicant LUNDBECK & CO AS H Pub.Kind E Pub.Lang pt

National entry of a PCT application.

If this application is not visible in the National Phase tab of the PCT application, its relationship to the PCT application is identified from the PCT or regional filing or publication information of its bibliographic data.

CN102124002 NOVEL PHENYLIMIDAZOLE DERIVATIVES AS PDE10A ENZYME INHIBITORS

Appl.Date 19.06.2009

Appl.No 200980132027.3 Applicant H. 隆德贝克有限公司 Pub.Kind A,B

Inclusion Criteria IC2 Pub.Date 13.07.2011

PATENTSCOPE Patent Families - Strengths

Value of national
phase entries



⊕ Enhance coverage of
families

⊕ National entry phase as
family members

National phase entries

1. WO2014105867 - SYSTEMS AND METHODS FOR CREATING, EDITING, STORING AND RETRIEVING KNOWLEDGE CONTAINED IN SPECIFICATION DOCUMENTS

PCT Biblio. Data Description Claims Drawings **National Phase** Patent Family Notices Documents

[PermaLink](#)

Available information on National Phase entries ([more information](#))

Office	Entry Date	National Number	National Status
United States of America	17.06.2015	14653018	Published 30.06.2016
Australia	01.07.2015	2013370424	Published 23.07.2015
European Patent Office	15.07.2015	2013869387	Published 04.11.2015 Withdrawn 03.03.2017
European Patent Office		2017159016	Published 06.12.2017

Question



I can see applications in the families that I can not find in Patentscope?

Enhancing Patentscope coverage

- National collection is not available in Patentscope yet

- Armenia
- Norway
- Moldova
- Iran
- Hungary
- Angola
- Mozambique
- ...

WO/2018/033812 ADMINISTRATION OF SUBSTANCES TO ANIMALS		Appl.Date 21.07.2017
Appl.No PCT/IB2017/054434	Applicant UAS FLIGHTEC SYSTEMS (PROPRIETARY) LIMITED	Inclusion Criteria IC1
Pub.Kind A	Pub.Lang en	Pub.Date 22.02.2018
KEKEP2019003074		National Entry Date 12.02.2019
Appl.No KEP2019003074		Inclusion Criteria IC3
A03748		National Entry Date 13.02.2019
Appl.No 3748		Inclusion Criteria IC3
MZ2019-0582		National Entry Date 01.03.2019
Appl.No 2019-0582		Inclusion Criteria IC3

Early National Phase

- The application has entered national phase in the designated office but has not been published yet

PCT Biblio. Data Full Text Drawings ISR/WOSA/A17(2)[a] National Phase Patent Family Notices Documents

[Submit observation](#) [PermaLink](#)



Month	Year	Event
Dec	2020	CN114846395
Dec	2020	WO/2022/116046
Jan	2021	
Feb	2021	
Mar	2021	
Apr	2021	
May	2021	
Jun	2021	
Jul	2021	
Aug	2021	
Sep	2021	US17442102
Oct	2021	

WO/2022/116046 COLOR FILTER SUBSTRATE, FABRICATION METHOD THEREFOR, DISPLAY PANEL AND DISPLAY DEVICE
Appl.No PCT/CN2020/133370 Applicant BOE TECHNOLOGY GROUP CO., LTD. Pub.Kind A Pub.Lang zh
Inclusion Criteria IC1 Appl.Date 02.12.2020 Pub.Date 09.06.2022

CN114846395 彩膜基板及其制造方法、显示面板、显示装置
Appl.No 202080003176.6 Applicant 京东方科技集团股份有限公司 Pub.Kind A
Inclusion Criteria IC2 Appl.Date 02.12.2020 Pub.Date 02.08.2022

US17442102
Appl.No 17442102
National Entry Date 22.09.2021
Inclusion Criteria IC3

Early National Phase

■ The
not b

December 2020	
WO/2022/116046 COLOR FILTER SUBSTRATE, FABRICATION METHOD THEREFOR, DISPLAY PANEL AND DISPLAY DEVICE	Appl.Date 02.12.2020
Appl.No PCT/CN2020/133370 Applicant BOE TECHNOLOGY GROUP CO., LTD. Pub.Kind A Pub.Lang zh	Inclusion Criteria IC1 Pub.Date 09.06.2022
CN114846395 彩膜基板及其制造方法、显示面板、显示装置	Appl.Date 02.12.2020
Appl.No 202080003176.6 Applicant 京东方科技集团股份有限公司 Pub.Kind A	Inclusion Criteria IC2 Pub.Date 02.08.2022
US20220350196 COLOR FILTER SUBSTRATE AND METHOD FOR MANUFACTURING SAME, DISPLAY PANEL, AND DISPLAY DEVICE	Appl.Date 02.12.2020
Appl.No 17442102 Applicant BOE Technology Group Co., Ltd. Pub.Kind A1	Inclusion Criteria IC2 Pub.Date 03.11.2022
WO/2022/116046 COLOR FILTER SUBSTRATE, FABRICATION METHOD THEREFOR, DISPLAY PANEL AND DISPLAY DEVICE	
Appl.No PCT/CN2020/133370 Applicant BOE TECHNOLOGY GROUP CO., LTD. Pub.Kind A Pub.Lang zh	Appl.Date 02.12.2020
	Inclusion Criteria IC1 Pub.Date 09.06.2022
CN114846395 彩膜基板及其制造方法、显示面板、显示装置	
Appl.No 202080003176.6 Applicant 京东方科技集团股份有限公司 Pub.Kind A	Appl.Date 02.12.2020
	Inclusion Criteria IC2 Pub.Date 02.08.2022
US17442102	National Entry Date 22.09.2021
Appl.No 17442102	Inclusion Criteria IC3

PATENTSCOPE Patent Families - Strengths

Domestic relations
(divisions,
continuations, ...)



- ⊕ US related applications
- ⊕ EP application in member states
- ⊕ Other jurisdictions
 - Japan
 - New Zealand
 - Egypt
 - Germany
 - Poland
 - Australia

Question



Are national domestic relations displayed in Patentscope?

Domestic families



HOME > 727287 - COMPLETE PATENT - ANIMAL IDENTIFICATION TAG

Bibliographical Data

History

Case Data

Patent Number	727287	Submission Date	08 Dec 2016
Status	Abandoned	Request to be Granted as Patent of Addition	No

Related Application(s)

Patent Family

Case Number	Link Type	Case Title	Case Title	Submission Date	Case Status	Owner	Specification
600048	Parent	ANIMAL IDENTIFICATION TAG	ANIMAL IDENTIFICATION TAG	17 May 2012	Closed	ALLFLEX EUROPE SAS	
610043	Complete after Provisional	ANIMAL IDENTIFICATION TAG	ANIMAL IDENTIFICATION TAG	30 Apr 2013	Granted	ALLFLEX EUROPE SAS	Specification
617484	Divisional	ANIMAL IDENTIFICATION TAG	ANIMAL IDENTIFICATION TAG	07 Nov 2013	Granted	ALLFLEX EUROPE SAS	Specification
708992	Divisional	ANIMAL IDENTIFICATION TAG	ANIMAL IDENTIFICATION TAG	10 Jun 2015	Granted	ALLFLEX EUROPE SAS	Specification
727287	Divisional	ANIMAL IDENTIFICATION TAG	ANIMAL IDENTIFICATION TAG	08 Dec 2016	Abandoned	ALLFLEX EUROPE SAS	
744076	Divisional	ANIMAL IDENTIFICATION TAG	ANIMAL IDENTIFICATION TAG	05 Jul 2018	Abandoned	ALLFLEX EUROPE SAS	
758514	Divisional	ANIMAL IDENTIFICATION TAG	ANIMAL IDENTIFICATION TAG	24 Oct 2019	Abandoned	ALLFLEX EUROPE SAS	
617486	Divisional	ANIMAL IDENTIFICATION TAG	ANIMAL IDENTIFICATION TAG	07 Nov 2013	Granted	ALLFLEX EUROPE SAS	Specification

Domestic families



URZĄD PATENTOWY
RZECZYPOSPOLITEJ POLSKIEJ



CENTRUM INFORMACJI



RSS



Unia Europejska



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EN



A

A⁺

A⁺⁺



LOG IN



E-SEARCH



HISTORY (0)

Documents from the filing date

Additional information

Date of payment for the next protection period 2023-10-18

Parent application number P.396691

Expected fee 900,00

Publications

Domestic families



DEUTSCH HELP FEEDBACK

DPMAreger



Patents and utility models ▾

Trade marks ▾

Designs ▾

Indications of geogr. origin ▾

Service ▾

DPMAkurier ▾

Register information Patent


DE file number : 10 2007 015 570.2 (Status: pending/in force, Query started: November 9, 2022)

Please note: This English version is a non-binding translation of the German register excerpt. Only the German version of the register excerpt is legally binding.

	Patent division in charge		57
62	Free division/divided out on the grounds of lack of unity in file number	TI/KZ	10 2007 063 924.6 10 2007 063 925.4 10 2007 063 926.2
57	Abstract	AB	Die Erfindung geht aus von einer Hausgerätevorrichtung mit einer Anzeigeeinheit (50a-d: 80: 90:



Domestic families

 Inquiry of history information Help

PatentsApplication 2015-171932 [Publication2017-049761](#) OPD

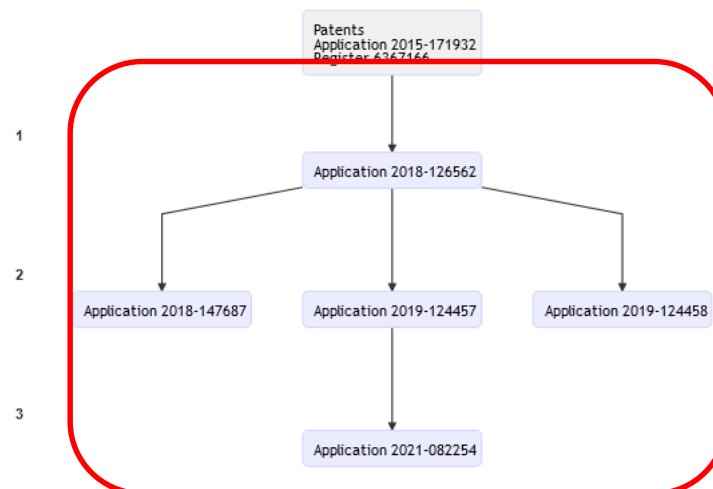
[Register6367166](#) Right has not been cancelled Mistranslation

*** NOTICES ***

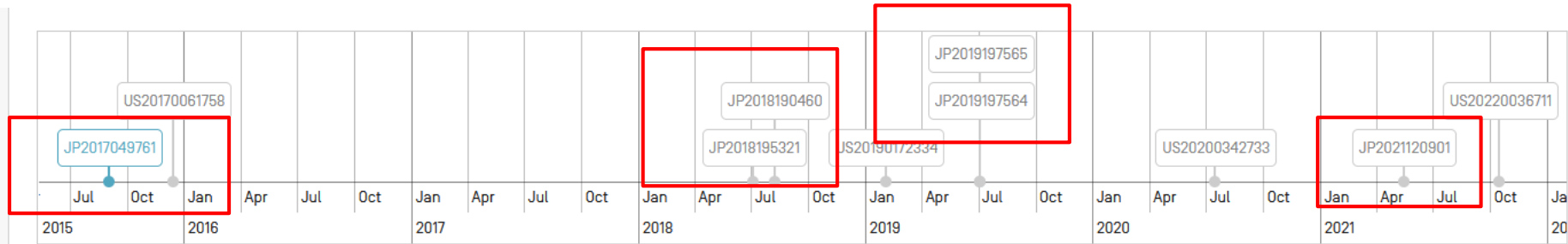
JPO and INPIT are not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.

History Records Application Information Registration Information **Divisional Application Information**



Domestic families



JP2017049761 ELECTRONIC APPARATUS AND METHOD
 Appl.No 2015171932 Applicant TOSHIBA CORP Pub.Kind A,B2 Pub.Lang ja

Appl.Date 01.09.2015

Inclusion Criteria IC5 Pub.Date 09.03.2017

US20170061758 ELECTRONIC APPARATUS AND METHOD
 Appl.No 14968759 Applicant KABUSHIKI KAISHA TOSHIBA Pub.Kind A1,B2

Appl.Date 14.12.2015

Inclusion Criteria IC4 Pub.Date 02.03.2017

JP2018195321 WEARABLE TERMINAL AND METHOD
 Appl.No 2018126562 Applicant TOSHIBA CORP Pub.Kind A Pub.Lang ja

Appl.Date 03.07.2018

Inclusion Criteria IC7 Pub.Date 06.12.2018

JP2018190460 WEARABLE TERMINAL AND METHOD
 Appl.No 2018147687 Applicant TOSHIBA CORP Pub.Kind A Pub.Lang ja

Appl.Date 06.08.2018

Inclusion Criteria IC7 Pub.Date 29.11.2018

US20190172334 ELECTRONIC APPARATUS AND METHOD
 Appl.No 16265900 Applicant KABUSHIKI KAISHA TOSHIBA Pub.Kind A1,B2

Appl.Date 01.02.2019

Inclusion Criteria IC4 Pub.Date 06.06.2019

JP2019197564 WEARABLE TERMINAL, SYSTEM, AND METHOD
 Appl.No 2019124457 Applicant TOSHIBA CORP Pub.Kind A Pub.Lang ja

Appl.Date 03.07.2019

Inclusion Criteria IC7 Pub.Date 14.11.2019

JP2019197565 WEARABLE TERMINAL, SYSTEM, AND METHOD
 Appl.No 2019124458 Applicant TOSHIBA CORP Pub.Kind A Pub.Lang ja

National application related to another application of the same national office already included in the family.

PATENTSCOPE Patent Families - Strengths

Completeness



⊕ Worldwide coverage

Completeness



Map generated with Tableau Desktop public from Patentscope data on 11/09/2022

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Summary of strengths

- Worldwide coverage
- Self-explanatory
- Powered by
 - PCT data
 - National Phase Entry
 - National Data + Domestic relations

Thank you!

- PATENTSCOPE

<https://patentscope.wipo.int>

- PATENTSCOPE Team

patentscope@wipo.int

patentscope-data@wipo.int

- PATENTSCOPE Webinars

<https://www.wipo.int/patentscope/en/webinar/>

- PATENTSCOPE Tips&Tricks

<https://patentscope.wipo.int/search/en/help/tipsAndTricks.jsf>