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1:30


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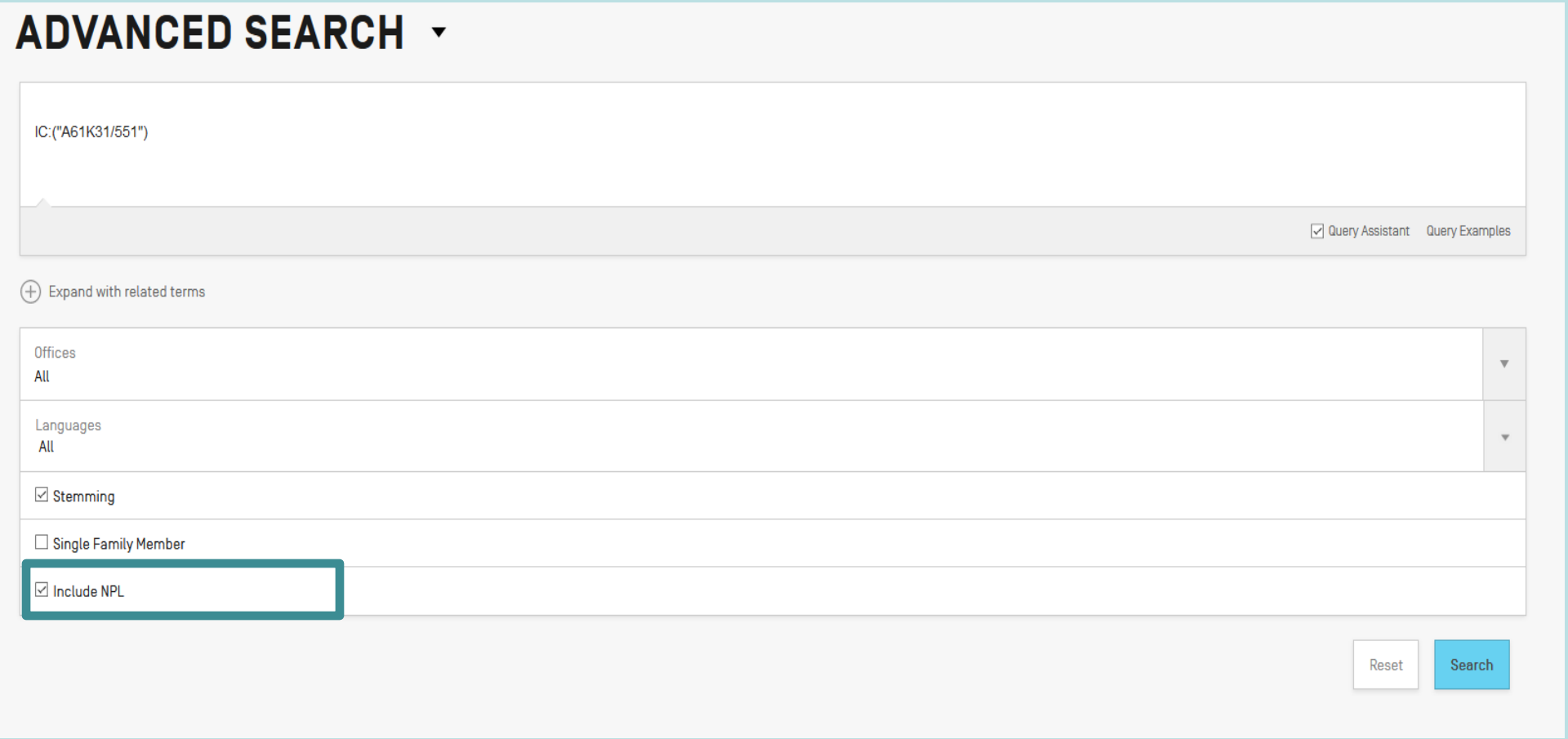
Non-Patent Literature

(NPL)

Advanced search



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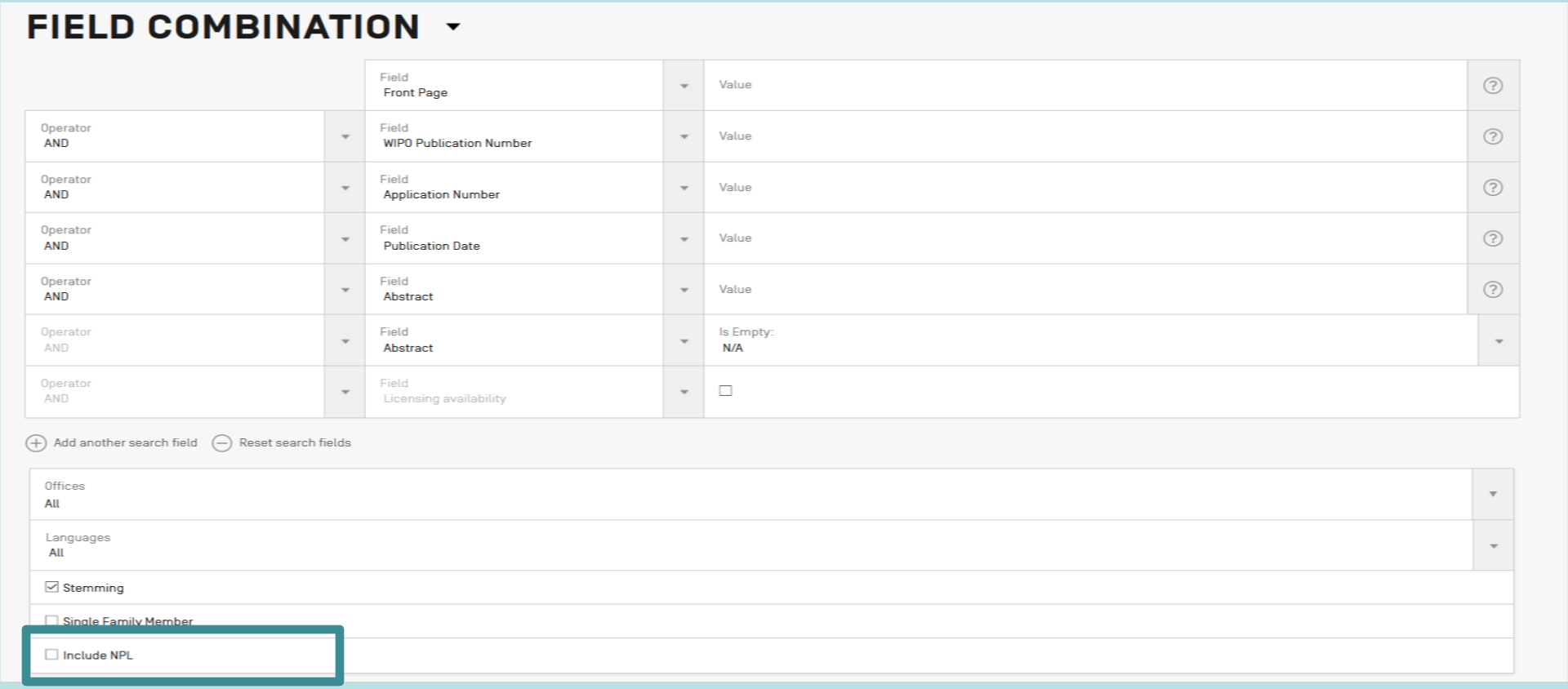

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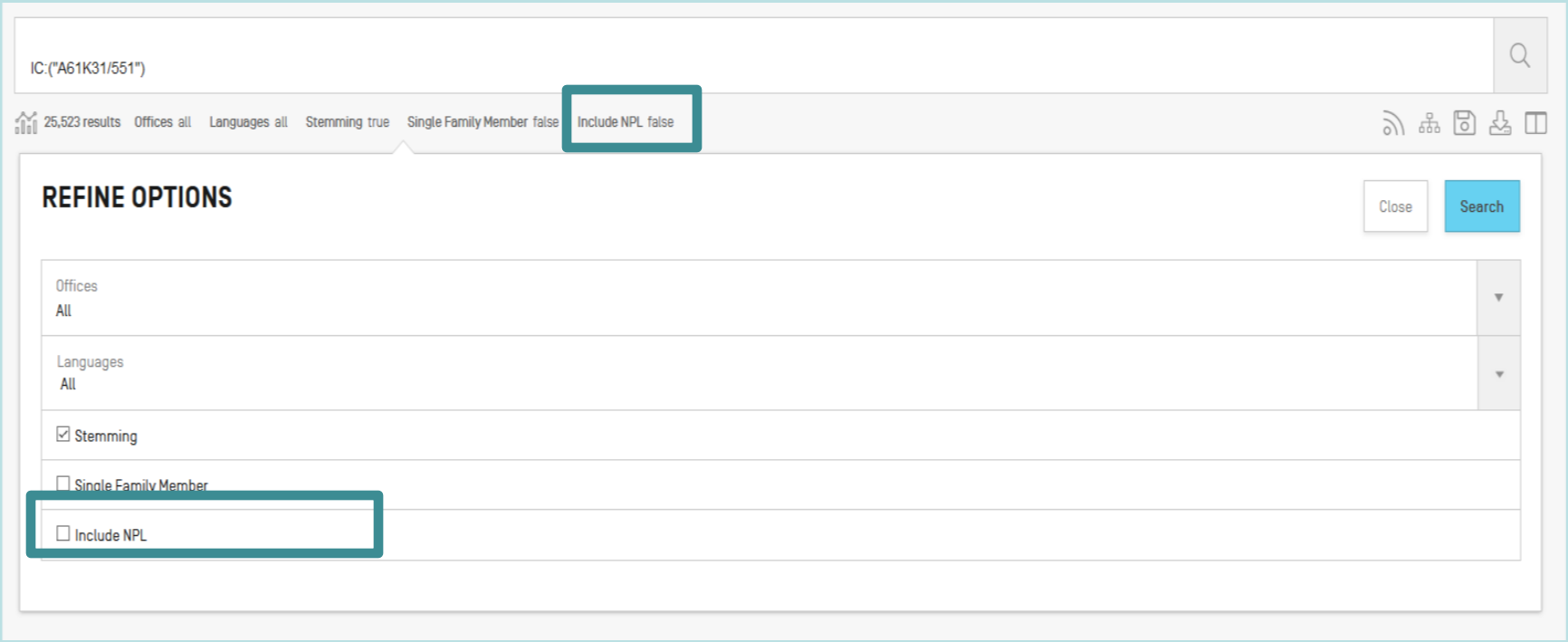
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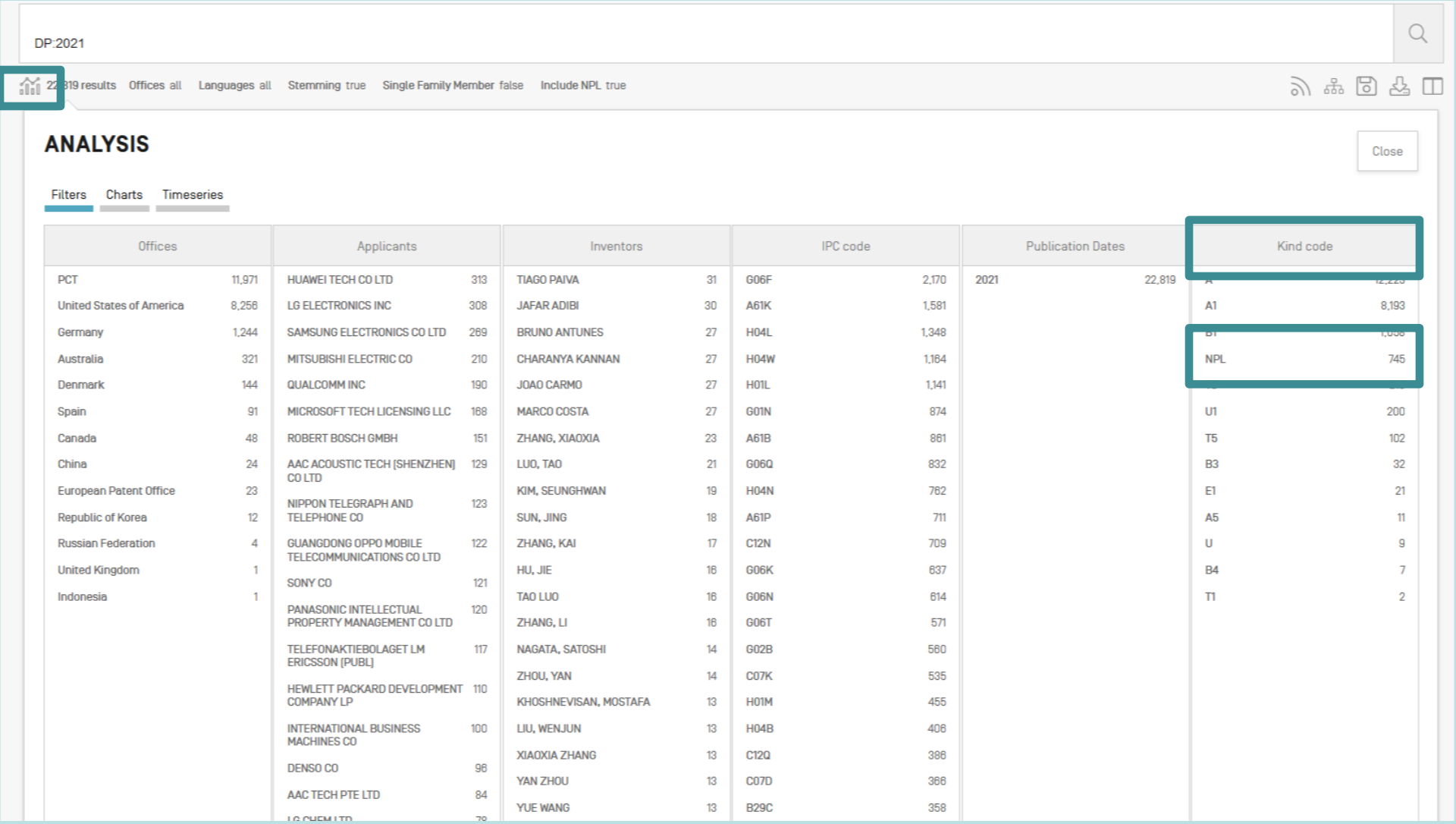
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PCT 11,971
United States of America 8,256
Germany 1,244
Australia 321
Denmark 144
Spain 91
Canada 48
China 24
European Patent Office 23
Republic of Korea 12
Russian Federation 4
United Kingdom 1
Indonesia 1
Applicants
HUAWEI TECH CO LTD 313
LG ELECTRONICS INC 308
SAMSUNG ELECTRONICS CO LTD 269
MITSUBISHI ELECTRIC CO 210
QUALCOMM INC 190
MICROSOFT TECH LICENSING LLC 168
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TELEFONAKTIEBOLAGET LM ERICSSON [PUBL] 117
HEWLETT PACKARD DEVELOPMENT COMPANY LP 110
INTERNATIONAL BUSINESS MACHINES CO 100
DENSO CO 96
AAC TECH PTE LTD 84
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SUN, JING 18
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IPC code
G06F 2,170
A61K 1,581
H04L 1,348
H04W 1,164
H01L 1,141
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G02B 560
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H01M 455
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C07D 366
B29C 358
Publication Dates
2021 22,819
Kind code
A1 8,193
NPL 745
U1 200
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E1 21
A5 11
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B4 7
T1 2

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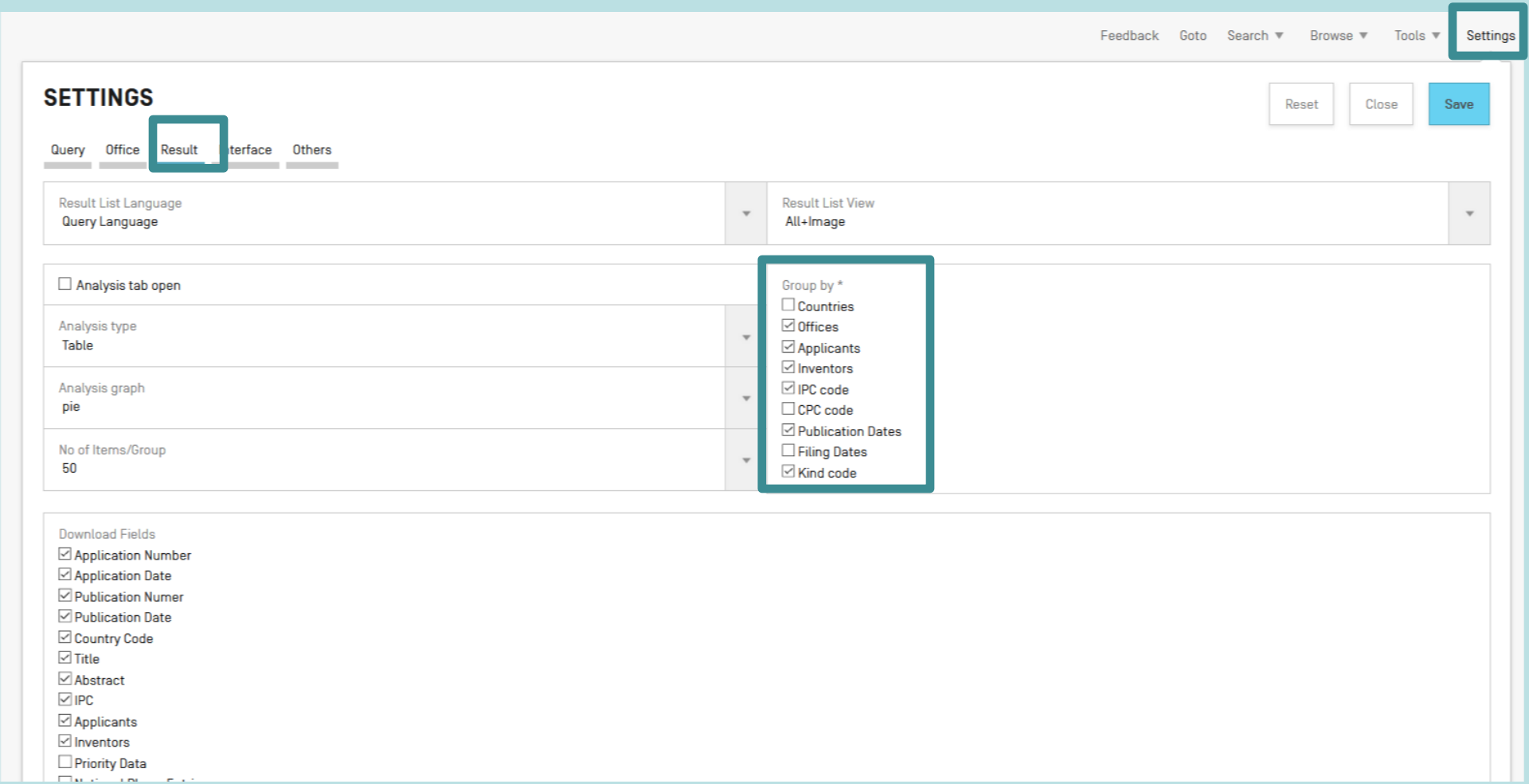
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Inventors
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CPC code
Publication Dates
Filing Dates
Kind code
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Publication Numer
Publication Date
Country Code
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Abstract
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Applicants
Inventors
Priority Data

How to search: NPL

- To select NPL as a field:
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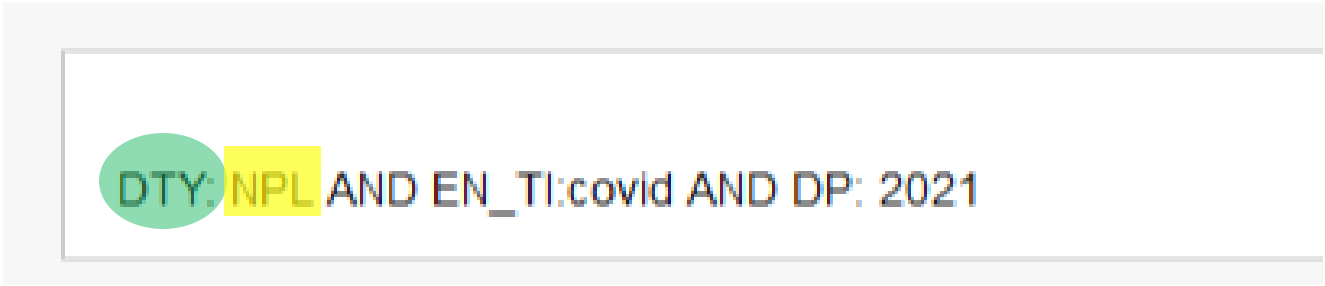
  - DTY: NPL



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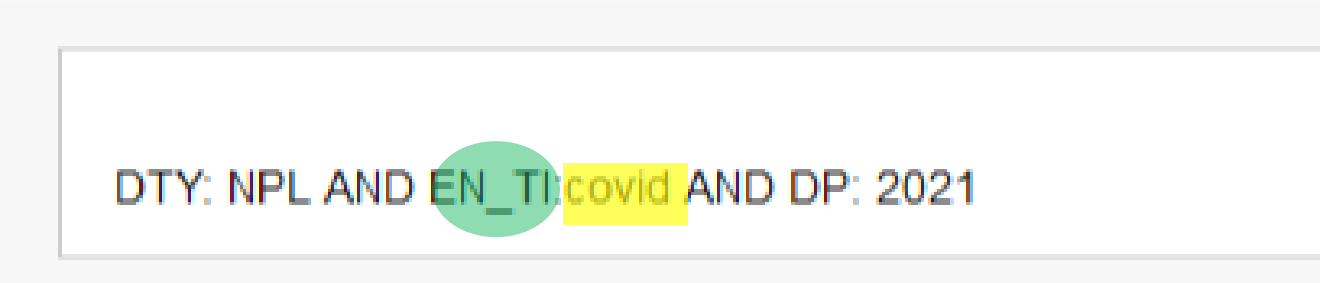

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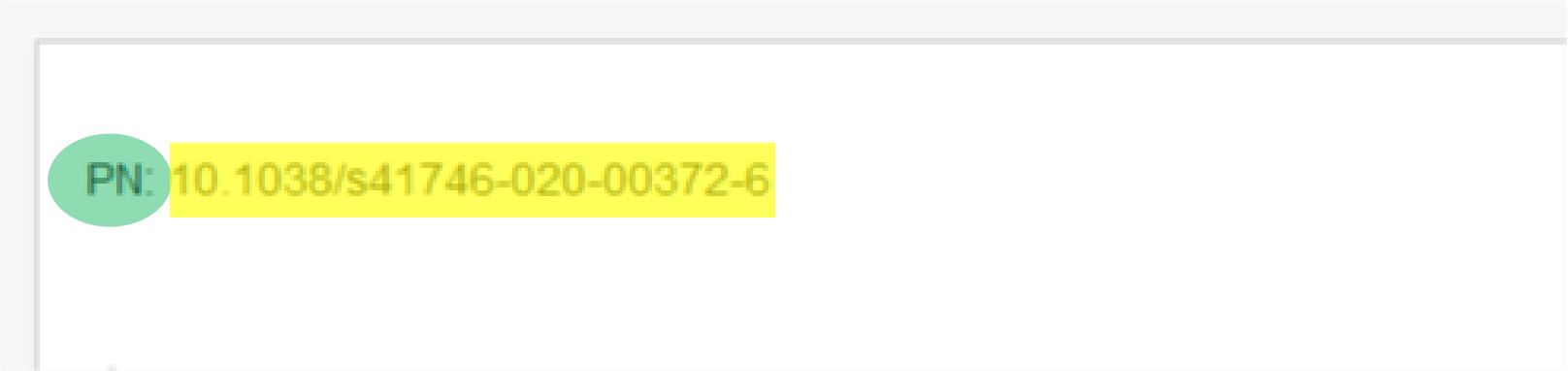
- PN: number of the article
- PU: publisher



How to search: date and IPC

- IC: IPC codes
- DP: publication date

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DTY:NPL AND IC:(G06N99/00) AND DP:[01.12.2020 TO 15.01.2021 ]
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Families in PATENTSCOPE

- Step 1 - February 2020

PCT families:

- PCT application from which the family originated (IC1)
- National entry of a PCT application (IC2, IC3)
- Sole priority inside the family (IC5)

Families in PATENTSCOPE

- Step 2 - January 2021

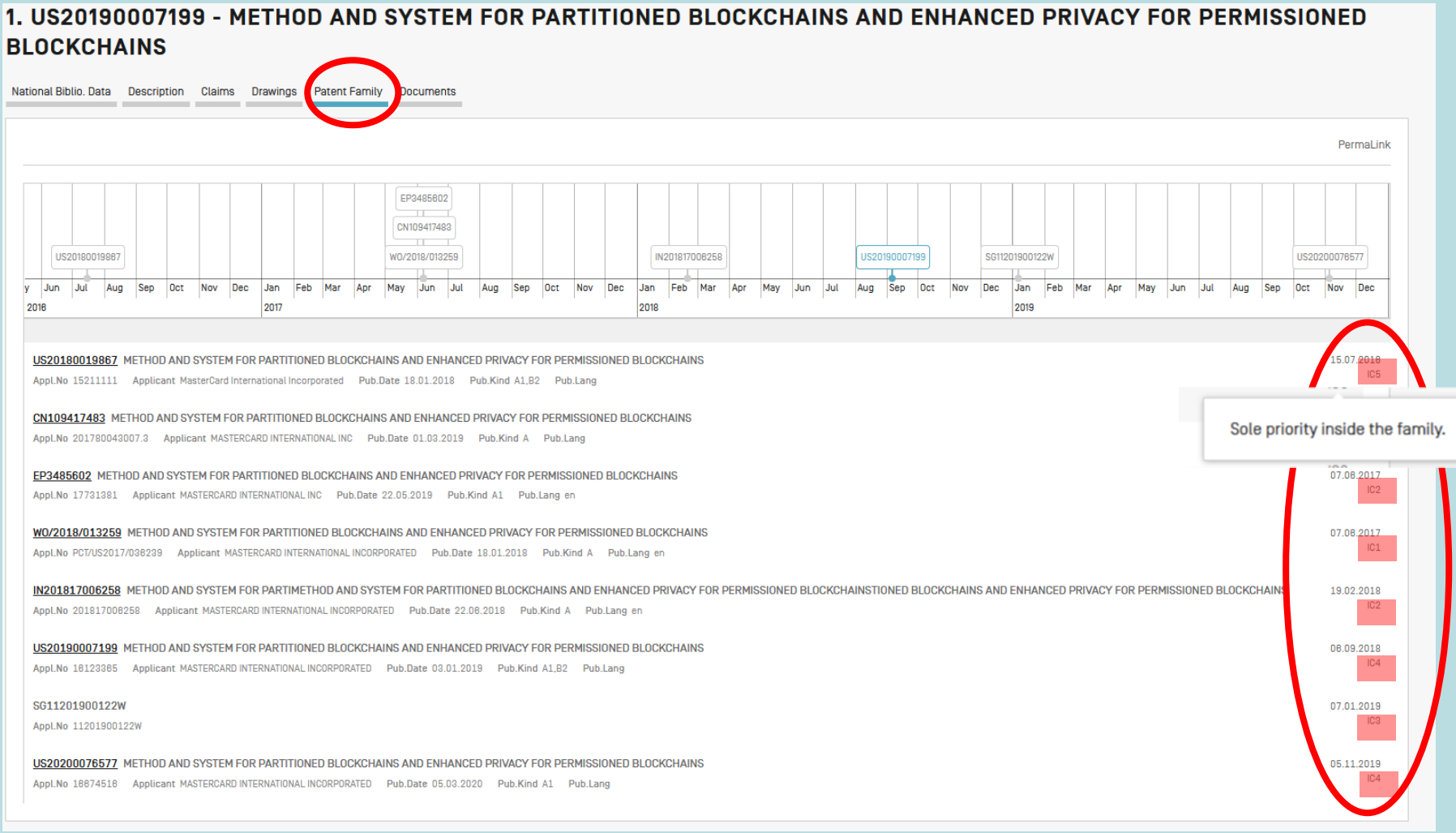
PATENTSCOPE families = PCT + Paris routes

- Sole priority inside the family (IC5)
- US application related to another US application already included in the family (IC4)
- As per priority (IC6)

Codes summary

Codes	Definition
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	As per priority
IC7	National application related to another application of the same national office already included in the family

PATENTSCOPE families codes



IC1

- PCT application from which the family originated
  - + info in National Phase tab

PCT Biblio. Data | Description | Claims | Drawings | ISR/WOSA/A17(2)(a) | National Phase | Patent Family | Notices | Documents

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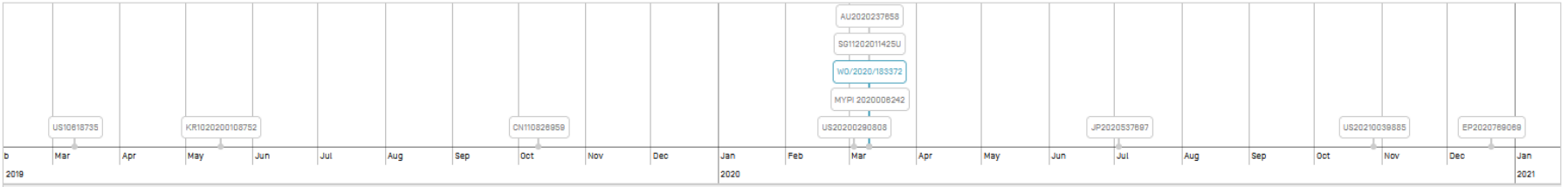

US10618735 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 11.03.2019 IC5
Appl.No 16298403 Applicant COUPANG CORP. Pub.Date 14.04.2020 Pub.Kind B1 Pub.Lang

KR1020200108752 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법 — 17.05.2019 IC8
Appl.No 1020190057872 Applicant 쿠팡 주식회사 Pub.Date 21.09.2020 Pub.Kind A Pub.Lang

CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS — 10.10.2019 IC2
Appl.No 201910980058.3 Applicant COUPANG CORP Pub.Date 21.02.2020 Pub.Kind A Pub.Lang

US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 03.03.2020 IC2

WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC1
Appl.No PCT/IB2020/052071 Applicant COUPANG CORP. Pub.Date 17.09.2020 Pub.Kind A Pub.Lang en

AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 2020237658 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A,A1 Pub.Lang

SG11202011425U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 11202011425U Applicant COUPANG CORP. Pub.Date 30.12.2020 Pub.Kind A1 Pub.Lang

MYPI 2020006242 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No PI 2020006242 Applicant COUPANG CORP. Pub.Date 11.09.2020 Pub.Kind A Pub.Lang

JP2020537697 — 03.07.2020 IC3
Appl.No 2020537697

US20210039885 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 28.10.2020 IC4
Appl.No 17082214 Applicant Coupoang, Corp. Pub.Date 11.02.2021 Pub.Kind A1 Pub.Lang

EP2020769069 — 21.12.2020 IC3
Appl.No 2020769069

1. WO2020183372 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES

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

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Available information on National Phase entries [more information]

Office	Entry Date	National Number	National Status
Japan	03.07.2020	2020537697	
Australia	23.10.2020	2020237658	
Singapore	17.11.2020	11202011425U	
European Patent Office	21.12.2020	2020769069	Published: 31.03.2021

IC2

- National entry of a PCT application
  - A. in the national phase tab;
  - B. PCT or regional filing or publication information of its bibliographic data

Office	Entry Date	National Number	National Status
Japan	03.07.2020	2020537697	
Australia	23.10.2020	2020237658	
Singapore	17.11.2020	11202011425U	
European Patent Office	21.12.2020	2020769069	Published: 31.03.2021

KR1020200108752 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법 — 17.05.2019 IC6

Appl.No 1020190057672 Applicant 쿠팡 주식회사 Pub.Date 21.09.2020 Pub.Kind A Pub.Lang

CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS — 10.10.2019 IC2

Appl.No 201910960058.3 Applicant COUPANG CORP Pub.Date 21.02.2020 Pub.Kind A Pub.Lang

US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 03.03.2020 IC2

Appl.No 16808060 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A1 B2 Pub.Lang

WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC1

Appl.No PCT/IB2020/052071 Applicant COUPANG CORP. Pub.Date 17.09.2020 Pub.Kind A Pub.Lang en

AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2

Appl.No 2020237658 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A,A1 Pub.Lang

SG11202011425U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2

Appl.No 11202011425U Applicant COUPANG CORP. Pub.Date 30.12.2020 Pub.Kind A1 Pub.Lang

MYPI 2020006242 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2

Appl.No PI 2020006242 Applicant COUPANG CORP Pub.Date 11.09.2020 Pub.Kind A Pub.Lang

JP2020537697 — 03.07.2020 IC3

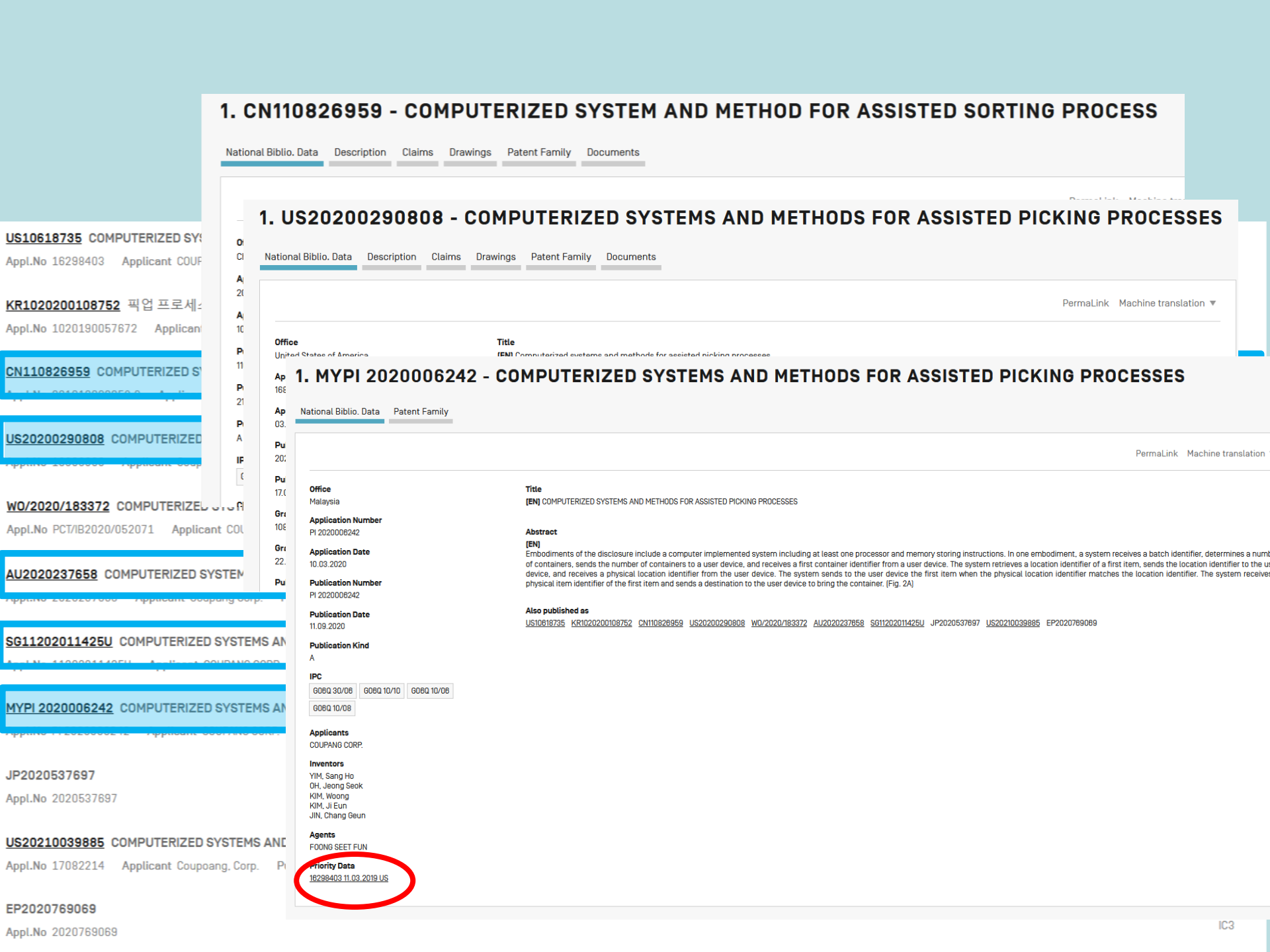
Appl.No 2020537697

US20210039885 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 28.10.2020 IC4

Appl.No 17082214 Applicant Coupoang, Corp. Pub.Date 11.02.2021 Pub.Kind A1 Pub.Lang

EP2020769069 — 21.12.2020 IC3

Appl.No 2020769069


1. CN110826959 - COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS
National Biblio. Data
Description
Claims
Drawings
Patent Family
Documents
1. US20200290808 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES
National Biblio. Data
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Claims
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Documents
PermaLink
Machine translation
Office
Title
1. MYPI 2020006242 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES
National Biblio. Data
Patent Family
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Machine translation
Office
Malaysia
Application Number
PI 2020006242
Application Date
10.03.2020
Publication Number
PI 2020006242
Publication Date
11.09.2020
Publication Kind
A
IPC
G06Q 30/06
G06Q 10/10
G06Q 10/06
G06Q 10/08
Applicants
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Inventors
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OH, Jeong Seok
KIM, Woong
KIM, Ji Eun
JIN, Chang Geun
Agents
FOONG SEET FUN
Priority Data
16298403 11.03.2019 US
Title
[EN] COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES
Abstract
[EN]
Embodiments of the disclosure include a computer implemented system including at least one processor and memory storing instructions. In one embodiment, a system receives a batch identifier, determines a numb
of containers, sends the number of containers to a user device, and receives a first container identifier from a user device. The system retrieves a location identifier of a first item, sends the location identifier to the u
device, and receives a physical location identifier from the user device. The system sends to the user device the first item when the physical location identifier matches the location identifier. The system receive
physical item identifier of the first item and sends a destination to the user device to bring the container. [Fig. 2A]
Also published as
US10618735 KR1020200108752 CN110826959 US20200290808 WO/2020/183372 AU2020237658 SG11202011425U JP2020537697 US20210039885 EP2020769069
US10618735 COMPUTERIZED SY
Appl.No 16298403 Applicant COUP
KR1020200108752 픽업 프로세
Appl.No 1020190057672 Applican
CN110826959 COMPUTERIZED S
US20200290808 COMPUTERIZED
WO/2020/183372 COMPUTERIZED
Appl.No PCT/IB2020/052071 Applicant COU
AU2020237658 COMPUTERIZED SYSTEM
SG11202011425U COMPUTERIZED SYSTEMS AN
MYPI 2020006242 COMPUTERIZED SYSTEMS AN
JP2020537697
Appl.No 2020537697
US20210039885 COMPUTERIZED SYSTEMS AND
Appl.No 17082214 Applicant Coupoang. Corp.
EP2020769069
Appl.No 2020769069
IC3

1. WO2020183372 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES

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

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Available information on National Phase entries [more information]

Office	Entry Date	National Number	National Status
Japan	03.07.2020	2020537697	
Australia	23.10.2020	2020237658	
Singapore	17.11.2020	11202011425U	
European Patent Office	21.12.2020	2020769069	Published: 31.03.2021

IC3

- National entry of a PCT application not found in PATENTSCOPE

PCT Biblio. Data | Description | Claims | Drawings | ISR/WOSA/A17(2)(a) | National Phase | Patent Family | Notices | Documents

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US10618735 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 11.03.2019 IC5
Appl.No 16298403 Applicant COUPANG CORP. Pub.Date 14.04.2020 Pub.Kind B1 Pub.Lang

KR102020010875 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법 — 17.05.2019 IC8
Appl.No 1020190057672 Applicant 쿠팡 주식회사 Pub.Date 21.09.2020 Pub.Kind A Pub.Lang

CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS — 10.10.2018 IC2
Appl.No 201810980058.3 Applicant COUPANG CORP Pub.Date 21.02.2020 Pub.Kind A Pub.Lang

US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 03.03.2020 IC2
Appl.No 16808080 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A1,B2 Pub.Lang

WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC1
Appl.No PCT/IB2020/052071 Applicant COUPANG CORP. Pub.Date 17.09.2020 Pub.Kind A Pub.Lang en

AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 2020237658 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A,A1 Pub.Lang

SG11202011425U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 11202011425U Applicant COUPANG CORP. Pub.Date 30.12.2020 Pub.Kind A1 Pub.Lang

MYPI 2020006242 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No PI 2020006242 Applicant COUPANG CORP. Pub.Date 11.09.2020 Pub.Kind A Pub.Lang

JP2020537697 — 03.07.2020 IC3
Appl.No 2020537697

IC4

EP2020769069 — 21.12.2020 IC3
Appl.No 2020769069

1. WO2020183372 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES

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

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Office	Entry Date	National Number	National Status
Japan	03.07.2020	2020537697	
Australia	23.10.2020	2020237658	
Singapore	17.11.2020	11202011425U	
European Patent Office	21.12.2020	2020769069	Published: 31.03.2021

EP3797394
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EP3797394 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES [Right-click to bookmark this link]

Status	Request for examination was made *Status updated on 26.02.2021* *Database last updated on 12.03.2021*		
Most recent event	26.02.2021	Publication in section I.1 EP Bulletin	published on 31.03.2021 [2021/13]
	26.02.2021	Request for examination filed	published on 31.03.2021 [2021/13]
Applicant(s)	For all designated states Coupang Corp. 570 Songpa-daero, Songpa-gu Seoul 05510 / KR		
	[2021/13]		
Inventor(s)	01 / OH, Jeong Seok 570 Songpa-daero, Songpa-gu Seoul 05510 / KR		
	02 / KIM, Ji Eun 570 Songpa-daero, Songpa-gu Seoul 05510 / KR		
	03 / JIN, Chang Geun 570 Songpa-daero, Songpa-gu Seoul 05510 / KR		
	04 / YIM, Sang Ho 570 Songpa-daero, Songpa-gu Seoul 05510 / KR		
	05 / KIM, Woong 570 Songpa-daero, Songpa-gu Seoul 05510 / KR		
	[2021/13]		
Representative(s)	Finnegan Europe LLP 1 London Bridge London SE1 9BG / GB		

PCT Biblio. Data | Description | Claims | Drawings | ISR/WOSA/A17(2)(a) | National Phase | Patent Family | Notices | Documents

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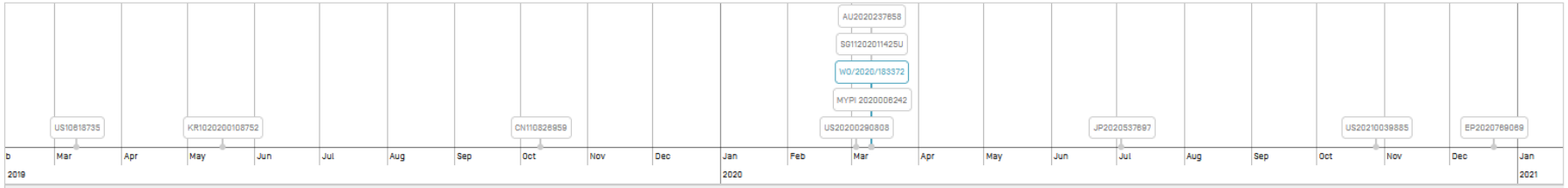

US10618735 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 11.03.2019 IC5
Appl.No 16298403 Applicant COUPANG CORP. Pub.Date 14.04.2020 Pub.Kind B1 Pub.Lang

KR102020010875 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법 — 17.05.2019 IC8
Appl.No 1020190057672 Applicant 쿠팡 주식회사 Pub.Date 21.09.2020 Pub.Kind A Pub.Lang

CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS — 10.10.2019 IC2
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US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 03.03.2020 IC2
Appl.No 16808080 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A1,B2 Pub.Lang

WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC1
Appl.No PCT/IB2020/052071 Applicant COUPANG CORP. Pub.Date 17.09.2020 Pub.Kind A Pub.Lang en

AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 2020237658 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A,A1 Pub.Lang

SG11202011425U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 11202011425U Applicant COUPANG CORP. Pub.Date 30.12.2020 Pub.Kind A1 Pub.Lang

MYPI 2020006242 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No PI 2020006242 Applicant COUPANG CORP. Pub.Date 11.09.2020 Pub.Kind A Pub.Lang

JP2020537697 — 03.07.2020 IC3

US20210039885 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 28.10.2020 IC4
Appl.No 17082214 Applicant Coupang, Corp. Pub.Date 11.02.2021 Pub.Kind A1 Pub.Lang

EP2020769069 — 21.12.2020 IC3
Appl.No 2020769069

IC4

- US application related to another US application already included in the family:
  - divisional
  - continuation
  - reissue
  - republication

2. US20210039885 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES

National Biblio. Data | Description | Claims | Drawings | Patent Family | Documents

PermaLink

Published Application		
		View
US17082214A1	US20210211	XML ZIP(XML + TIFF)
Application not found		

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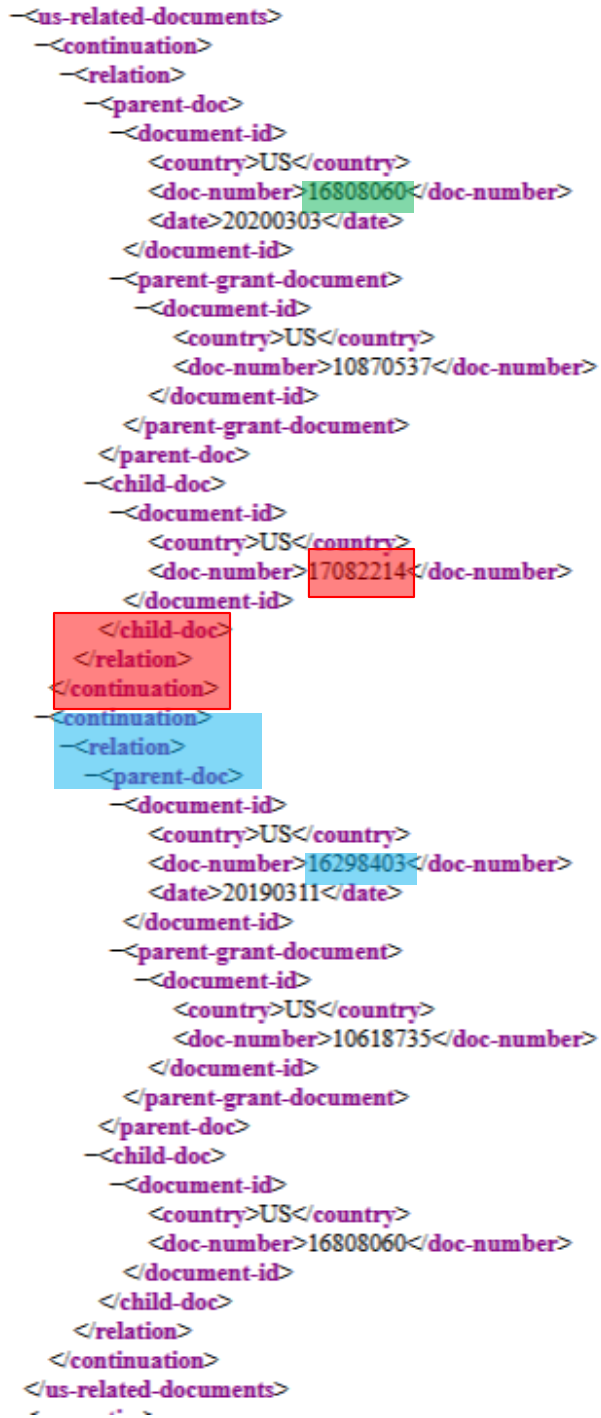


IC5

- Sole priority inside the family

PCT Biblio. Data | Description | Claims | Drawings | ISR/WOSA/A17(2)(a) | National Phase | Patent Family | Notices | Documents

Submit observation | PermaLink

US10618735 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 11.03.2019 IC5
Appl.No 18298403 Applicant COUPANG CORP. Pub.Date 14.04.2020 Pub.Kind B1 Pub.Lang

Appl.No 1020190057672 Applicant 쿠팡 주식회사 Pub.Date 21.09.2020 Pub.Kind A Pub.Lang — IC6

CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS — 10.10.2019 IC2
Appl.No 201910980058.3 Applicant COUPANG CORP Pub.Date 21.02.2020 Pub.Kind A Pub.Lang

US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 03.03.2020 IC2
Appl.No 16808080 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A1,B2 Pub.Lang

WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC1
Appl.No PCT/IB2020/052071 Applicant COUPANG CORP. Pub.Date 17.09.2020 Pub.Kind A Pub.Lang en

AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 2020237658 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A,A1 Pub.Lang

SG11202011425U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 11202011425U Applicant COUPANG CORP. Pub.Date 30.12.2020 Pub.Kind A1 Pub.Lang

MYPI 2020006242 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No PI 2020006242 Applicant COUPANG CORP. Pub.Date 11.09.2020 Pub.Kind A Pub.Lang

JP2020537697 — 03.07.2020 IC3
Appl.No 2020537697

US20210039885 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 28.10.2020 IC4
Appl.No 17082214 Applicant Coupoang, Corp. Pub.Date 11.02.2021 Pub.Kind A1 Pub.Lang

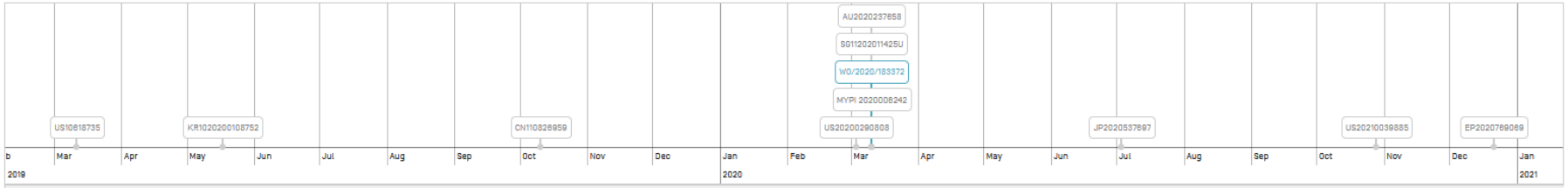
EP2020769069 — 21.12.2020 IC3
Appl.No 2020769069

IC6

- As per Priority

PCT Biblio. Data | Description | Claims | Drawings | ISR/WOSA/A17(2)(a) | National Phase | Patent Family | Notices | Documents

Submit observation | PermaLink



US10618735 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 11.03.2019 IC5

KR102020010875 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법 — 17.05.2019 IC8
Appl.No 1020190057672 Applicant 쿠팡 주식회사 Pub.Date 21.09.2020 Pub.Kind A Pub.Lang

CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS — 10.10.2019 IC2
Appl.No 201910980058.3 Applicant COUPANG CORP Pub.Date 21.02.2020 Pub.Kind A Pub.Lang

US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 03.03.2020 IC2
Appl.No 16808080 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A1,B2 Pub.Lang

WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC1
Appl.No PCT/IB2020/052071 Applicant COUPANG CORP. Pub.Date 17.09.2020 Pub.Kind A Pub.Lang en

AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 2020237658 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A,A1 Pub.Lang

SG11202011425U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No 11202011425U Applicant COUPANG CORP. Pub.Date 30.12.2020 Pub.Kind A1 Pub.Lang

MYPI 2020006242 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 10.03.2020 IC2
Appl.No PI 2020006242 Applicant COUPANG CORP. Pub.Date 11.09.2020 Pub.Kind A Pub.Lang

JP2020537697 — 03.07.2020 IC3
Appl.No 2020537697

US20210039885 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES — 28.10.2020 IC4
Appl.No 17082214 Applicant Coupoang, Corp. Pub.Date 11.02.2021 Pub.Kind A1 Pub.Lang

EP2020769069 — 21.12.2020 IC3
Appl.No 2020769069

1. KR1020200108752 - 픽

National Biblio. Data | Description | Claims | Drawin

Office
Republic of Korea

Application Number
1020190057672

Application Date
17.05.2019

Publication Number
1020200108752

Publication Date
21.09.2020

Publication Kind
A

IPC
G06Q 10/08 | G06Q 10/10

CPC
G06Q 10/087 | G06Q 10/083 | G06Q 10/103

Applicants
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Agents

Priority Data
16298403 11.03.2019 US

1. CN110826959 - COMPUTERIZED SYSTEM AND METHOD FOR AS

National Biblio. Data | Description | Claims | Drawings | Patent Family | Documents

PermaLink | Machine translation

Office
China

Application Number
201910960058.3

Application Date
10.10.2019

Publication Number
110826959

Publication Date
21.02.2020

Publication Kind
A

IPC
G06Q 10/08 | G06Q 30/06

CPC
G06Q 10/087 | G06Q 30/0635 | B65G
B65G 1/1373 | B65G 2209/02
View more classifications

Applicants
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金铉

Agents
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Priority Data
16298403 11.03.2019 US

1. AU2020237658 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSIS

National Biblio. Data | Description | Claims | Drawings | Patent Family | Documents

Office
Australia

Application Number
2020237658

Application Date
10.03.2020

Publication Number
2020237658

Publication Date
17.09.2020

Publication Kind
A1

IPC
G06Q 10/08 | G06Q 10/06 | G06Q 10/10 | G06Q 30/06

CPC
G06Q 10/087 | G06Q 30/0635 | B65G 1/137 | B65G 1/1371
B65G 1/1373 | B65G 2209/02
View more classifications

Applicants
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YIM, Sang Ho
KIM, Woong

Agents
FB Rice Pty Ltd

riority Data
3298403 11.03.2019 US

Title
[EN] Computerized systems and methods for assisted picking processes

Abstract
[EN]
Embodiments of the disclosure include a computer implemented system including at least one processor a
number of containers to a user device, and receives a first container identifier from a user device. The system
the user device. The system sends to the user device the first item when the physical location identifier matcl
the container.

Also published as
US10818735 | KR1020200108752 | CN110826959 | US20200290808 | WO/2020/183372 | SG11202011425U | MYPI 202

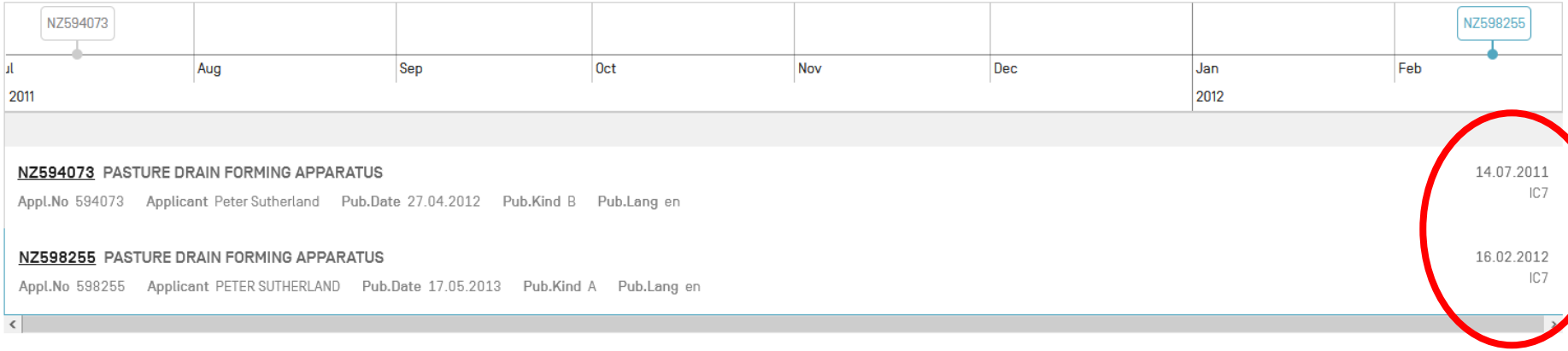
IC7

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

1. NZ598255 - PASTURE DRAIN FORMING APPARATUS

National Biblio. Data | Patent Family | Documents

PermaLink



NZ594073 PASTURE DRAIN FORMING APPARATUS

Appl.No 594073 Applicant Peter Sutherland Pub.Date 27.04.2012 Pub.Kind B Pub.Lang en

14.07.2011
IC7

NZ598255 PASTURE DRAIN FORMING APPARATUS

Appl.No 598255 Applicant PETER SUTHERLAND Pub.Date 17.05.2013 Pub.Kind A Pub.Lang en

16.02.2012
IC7

1. NZ598255 - PASTURE DRAIN FORMING APPARATUS

National Biblio. Data | Patent Family | Documents

PermaLink | Machine translation

Office
New Zealand

Application Number
598255

Application Date
16.02.2012

Publication Number
598255

Publication Date
17.05.2013

Publication Kind
A

IPC
E02F 5/00

Applicants
PETER SUTHERLAND

Inventors
SUTHERLAND, PETER

Agents
AJ PARK

Title
(EN) PASTURE DRAIN FORMING APPARATUS

Abstract

Also published as
NZ594073

1. NZ594073 - PASTURE DRAIN FORMING APPARATUS

National Biblio. Data | Description | Claims | Patent Family | Documents

PermaLink Machine translation ▼

Office
New Zealand

Application Number
594073

Application Date
14.07.2011

Publication Number
594073

Publication Date
27.04.2012

Grant Number
594073

Grant Date
06.08.2012

Publication Kind
B

IPC
E02F 5/02 | A01B 13/00 | A01B 15/20 | E02B 13/00 | A01B 33/14 | A01B 35/18
View more classifications

Applicants
Peter Sutherland

Inventors
Sutherland, Peter

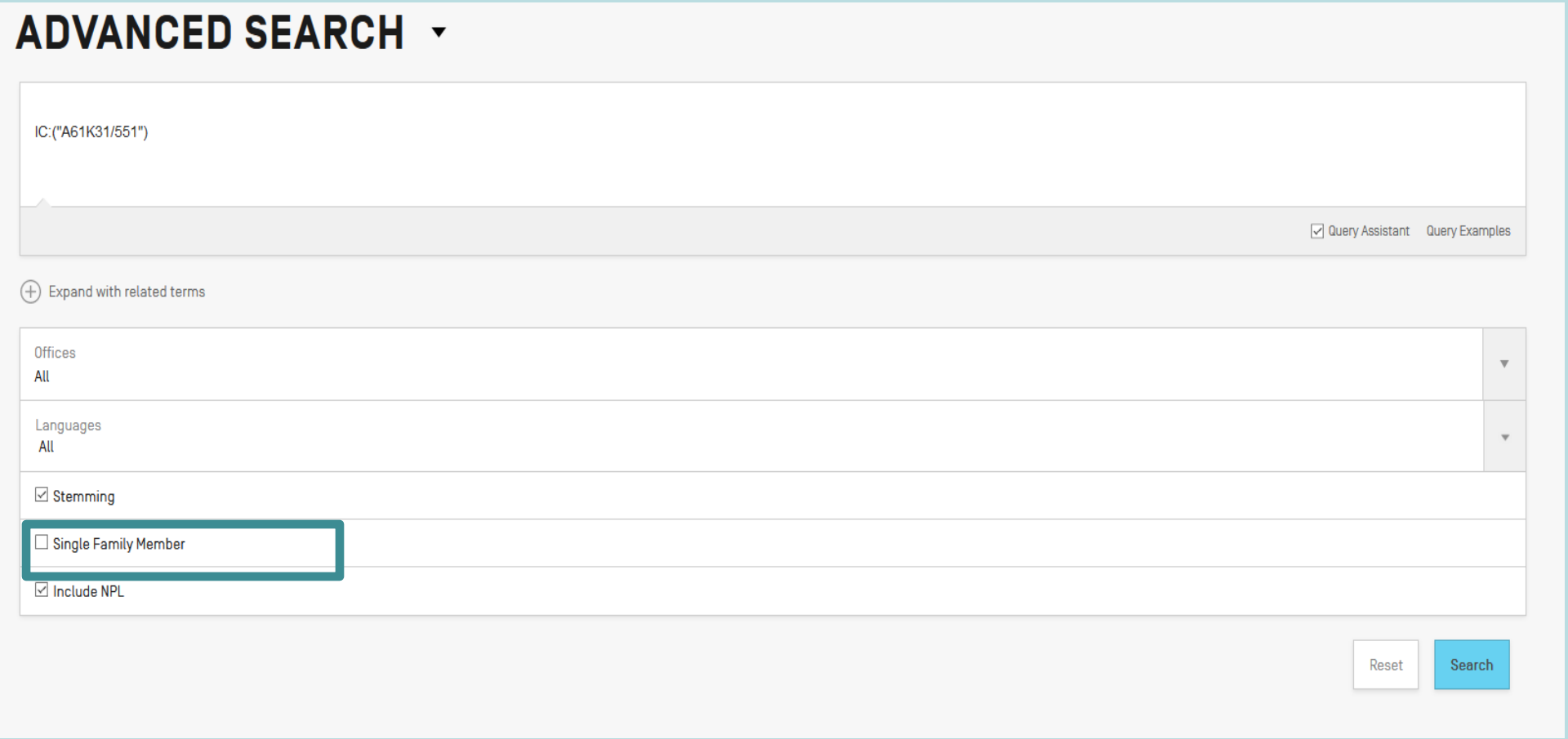
Agents
AJ PARK

Title
[EN] PASTURE DRAIN FORMING APPARATUS

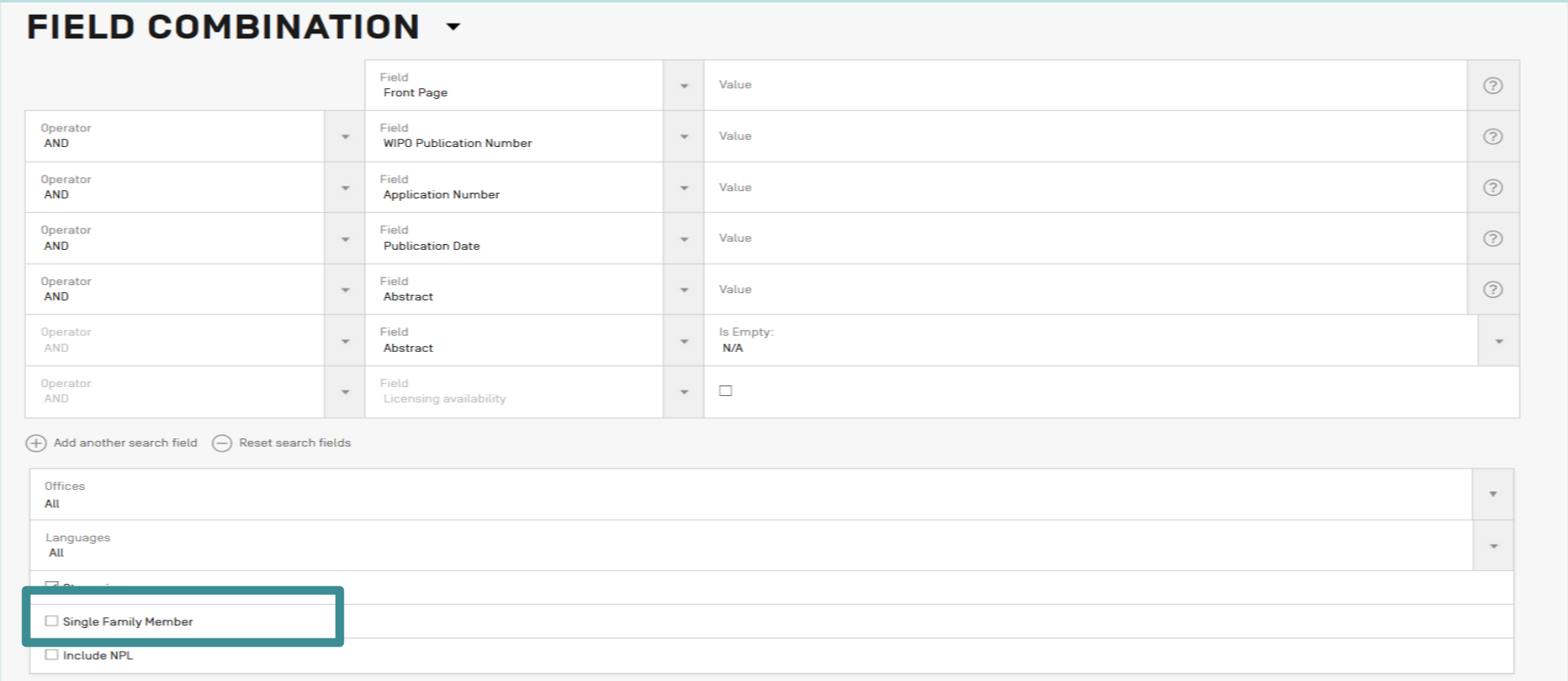
Abstract
[EN]
Patent 594073 A drain forming and/ or clearing apparatus is disclosed. The apparatus has a body [1] adapted to be attachable [6, 8] to a three point linkage of a suitable vehicle, the vehicle having a power take off ("PTO") and a hydraulic system. The body can be raised and lowered by the hydraulic system of the vehicle. A rotor assembly [2] is carried by and extends below the body and is rotated in use about a substantially vertical axis. The rotor is used to create and/or clear a ground channel when rotating and being advanced at least in part below ground level. The rotor is powered from a vehicle PTO connectable drive [9], or a vehicle hydraulic system connectable drive, carried by the body. At the other end of the body from the three point linkage is a ground following assembly [3]. The follower assembly extends below the body so as to follow in a channel formed or cleared by the rotor. This helps to smooth out the channel made by the rotor. The rotor has a hub [11] connected to a plurality of blades [13], paddles or vanes outstanding from the hub and with a cant or rake to uplift soil when rotated in one rotational direction. Each blade assembly defines a leading edge with a member that is replaceable. Ties connect and support each blade assembly, each such tie connecting from the outside training edge of one blade to the next. One or more pre-rippers [17] may be attached to the body near the three point linkage to loosen the soil prior to the channel being cleared by the rotor.

Also published as
NZ598255

Advanced search



Field Combination



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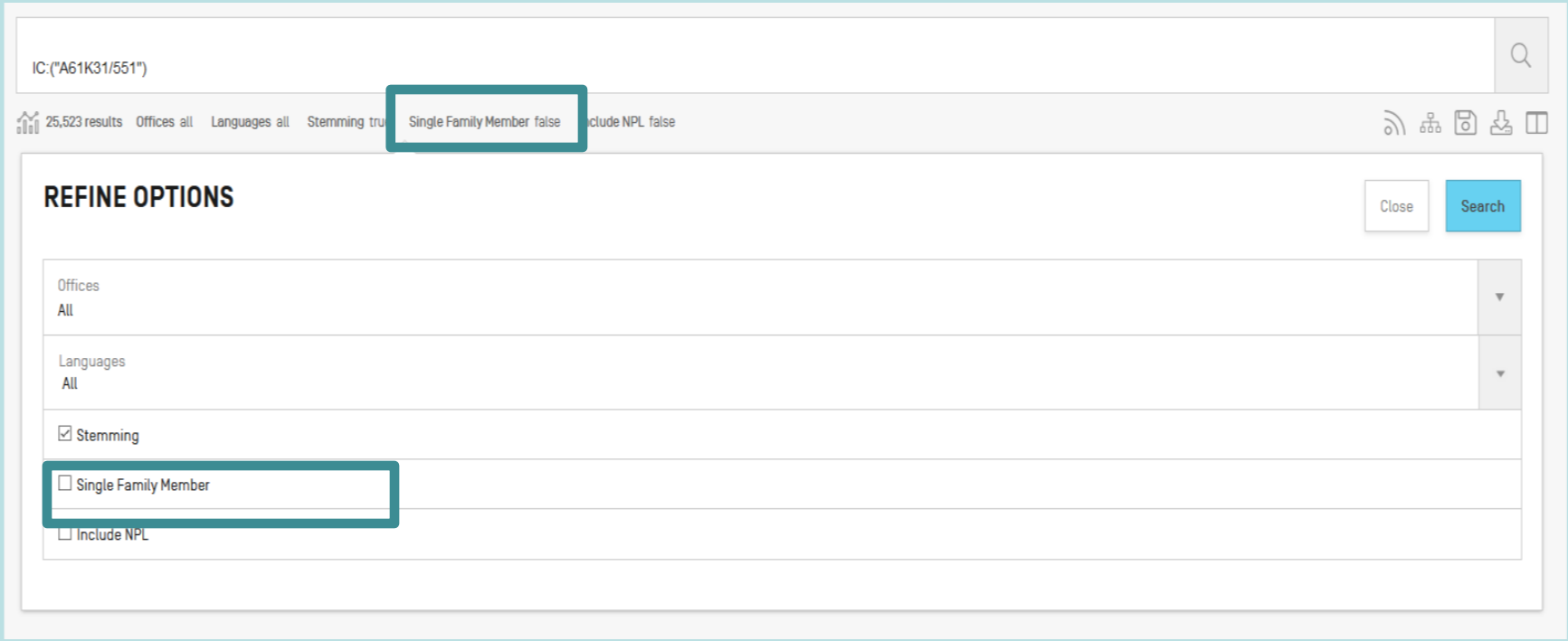
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Offices all
Languages all
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clude NPL false
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Languages
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Stemming
Single Family Member
Include NPL


BLOCKCHAIN

ADVANCED SEARCH

EN_AB:blockchain AND AD:2018

Query Assistant Query Examples

Expand with related terms

Offices
All

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Stemming

Single Family Member

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EN_AB:blockchain AND AD:2018

5,605 results | Offices all | Languages all | Stemming true | Single Family Member false | Include NPL false

Sort: Relevance | Per page: 100 | View: All+Image | 1 / 57 | Download | Machine translation

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3. **110268677** CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS

CN - 20.09.2019

Int.Class H04L 9/32 **Appl.No** 201880006521.4 **Applicant** ALIBABA GROUP HOLDING LTD **Inventor** QIU HONGLIN

Implementations of the present disclosure include identifying, by a relay that is communicatively linked with a first blockchain instance and a second blockchain instance in a unified blockchain network, a blockchain domain name of a first blockchain instance; identifying a blockchain domain name of the second blockchain instance; receiving, from a node of the first blockchain instance, an access request for accessing the second blockchain instance, wherein the access request including the blockchain domain name of the second blockchain instance; identifying a chain identifier of the second blockchain instance

EN_AB:blockchain AND AD:2018

4,607 results | Offices all | Languages all | Stemming true | Single Family Member true | Include NPL false

Sort: Relevance | Per page: 100 | View: All+Image | 1 / 47 | Download | Machine translation

1. **WO/2019/072273** CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS — WO - 18.04.2019

Int.Class H04L 29/06 **Appl.No** PCT/CN2018/115926 **Applicant** ADVANCED NEW TECHNOLOGIES CO., LTD. **Inventor** QIU, Honglin

A computer-implemented method includes identifying, by a relay that is communicatively linked with a first blockchain instance and a second blockchain instance in a unified blockchain network, a blockchain domain name of a first blockchain instance; identifying a blockchain domain name of the second blockchain instance; receiving, from a node of the first blockchain instance, an access request for accessing the second blockchain instance, wherein the access request including the blockchain domain name of the second blockchain instance; identifying a chain identifier of the second blockchain instance based on the blockchain domain name of the second blockchain instance, wherein the chain identifier of the second blockchain instance indicates a blockchain network configuration of the second blockchain instance; and providing access to the second blockchain instance for the first blockchain instance based on the blockchain network configuration indicated by the chain identifier of the second blockchain instance.

2. **10202005443V** CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS — SG - 29.07.2020

Int.Class **Appl.No** 10202005443V **Applicant** ALIBABA GROUP HOLDING LIMITED **Inventor** QIU, Honglin

39 CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS ABSTRACT Implementations of the present disclosure include identifying, by a relay that is 5 communicatively linked with a first blockchain instance and a second blockchain instance in a unified blockchain network, a blockchain domain name of a first blockchain instance ; identifying a blockchain domain name of the second blockchain instance; receiving, from a node of the first blockchain instance, an access request for accessing the second blockchain instance, wherein the access request including the blockchain domain 10 name of the second blockchain instance; identifying a chain identifier of the second blockchain instance based on the blockchain domain name of the second blockchain instance, wherein the chain identifier of the second blockchain instance indicates a blockchain network configuration of the second blockchain instance; and providing access to the second blockchain instance for the first blockchain instance based on the 15 blockchain network configuration indicated by the chain identifier of the second blockchain instance. 20 FIG. 5

3. **WO/2019/072271** DOMAIN NAME SCHEME FOR CROSS-CHAIN INTERACTIONS IN BLOCKCHAIN SYSTEMS — WO - 18.04.2019

Int.Class H04L 29/08 **Appl.No** PCT/CN2018/115918 **Applicant** ADVANCED NEW TECHNOLOGIES CO., LTD. **Inventor** QIU, Honglin

A method comprising: Obtaining, by a client node of a first blockchain instance, a blockchain domain name of a second, different blockchain instance, wherein the blockchain domain name is a unique identifier of the second blockchain instance in a unified blockchain network including multiple blockchain instances that are communicatively linked by two or more relays, the blockchain domain name includes a human-readable label, and the blockchain domain name uniquely corresponds to a chain identifier of the second blockchain instance; identifying the chain identifier of the second blockchain instance based on the blockchain domain name of the second blockchain instance, wherein the chain identifier of the second blockchain instance indicates a blockchain network configuration of the second blockchain instance; and

15. SG112019092249Q - METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM

National Biblio. Data | Patent Family

PermaLink | Machine translation

Office
Singapore

Application Number
112019092249Q

Application Date
23.05.2018

Publication Number
112019092249Q

Publication Date
28.11.2019

Publication Kind
A1

IPC
G06F 3/06

CPC
G06F 3/0638 | G06F 3/067 | G06F 21/64 | H04L 2209/38 | G06F 16/215 | G06F 16/2255

View more classifications

Applicants
Alibaba Group Holding Limited

Inventors
YE, Guojun

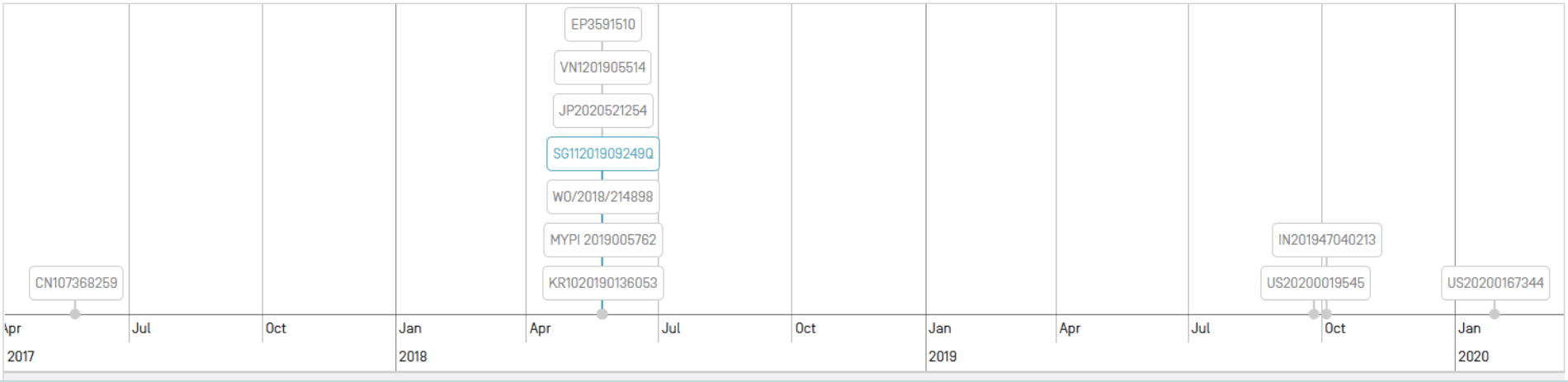
Priority Data
201710379983.8 25.05.2017 CN

Title
(EN) METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM

Abstract
(EN)
ABSTRACT The present application discloses a method for writing transaction data in a blockchain system. The blockchain system comprises at least one blockchain. The method comprises: receiving a blockchain transaction data writing request comprising transaction feature 5 information of transaction data to be added to the blockchain; determining a blockchain matching the transaction data to be added to the blockchain according to a blockchain data record table and the transaction feature information of the transaction data to be added to the blockchain, wherein the blockchain data record table records transaction type identification information associated with the blockchain for reflecting transaction feature information of 10 transaction data in the blockchain; and writing an execution result of the transaction data to be added to the blockchain into the blockchain matching the transaction data to be added to the blockchain. The present application further discloses a corresponding device. By applying embodiments in the present application, blockchains with added data may be distinguished according to transaction types, so that processing demands for different types of transaction 15 data in a blockchain system may be satisfied. 26

Also published as
CN107368259 | KR1020190136053 | EP3591510 | VN1201905514 | JP2020521254 | WO/2018/214898 | MYPI 2019005762 | US20200019545 | IN201947040213 | US20200167344

Timeline


EP3591510
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JP2020521254
SG11201909249Q
WO/2018/214898
MYPI 2019005762
KR1020190136053
CN107368259
IN201947040213
US20200019545
US20200167344
Apr
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Oct
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2017
2018
2019
2020

CN107368259 METHOD AND DEVICE FOR WRITING BUSINESS DATA IN BLOCK CHAIN SYSTEM — 25.05.2017
Appl.No 201710379983.8 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 21.11.2017 Pub.Kind A,B Pub.Lang — IC1

SG112019092490 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM — 23.05.2018
Appl.No 112019092490 Applicant Alibaba Group Holding Limited Pub.Date 28.11.2019 Pub.Kind A1 Pub.Lang — IC2

KR1020190136053 서비스 데이터를 블록체인 시스템에 기입하기 위한 방법 및 디바이스 — 23.05.2018
Appl.No 1020197032391 Applicant 알리바바 그룹 홀딩 리미티드 Pub.Date 09.12.2019 Pub.Kind A Pub.Lang — IC2

EP3591510 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM — 23.05.2018
Appl.No 18805039 Applicant ADVANCED NEW TECHNOLOGIES CO LTD Pub.Date 08.01.2020 Pub.Kind A1,A4,B1,B8 Pub.Lang en — IC2

VN1201905514 PHƯƠNG PHÁP VÀ THIẾT BỊ ĐỂ GHI DỮ LIỆU DỊCH VỤ TRONG HỆ THỐNG CHUỖI KHỐI — 23.05.2018
Appl.No 1201905514 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 30.01.2020 Pub.Kind A Pub.Lang — IC2

JP2020521254 サービス・データをブロックチェーン・システムに書き込むための方法およびデバイス — 23.05.2018
Appl.No 2019565191 Applicant アリババ・グループ・ホールディング・リミテッド Pub.Date 16.07.2020 Pub.Kind A Pub.Lang ja — IC2

WO/2018/214898 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM — 23.05.2018
Appl.No PCT/CN2018/087968 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 29.11.2018 Pub.Kind A Pub.Lang zh — IC1

MYPI 2019005762 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM — 23.05.2018
Appl.No PI 2019005762 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 25.11.2018 Pub.Kind A Pub.Lang — IC6

US20200019545 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM — 26.09.2019
Appl.No 16584579 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 16.01.2020 Pub.Kind A1 Pub.Lang — IC4

IN201947040213 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM — 04.10.2019
Appl.No 201947040213 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 29.11.2019 Pub.Kind A Pub.Lang en — IC2

US20200167344 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM — 28.01.2020
Appl.No 16775116 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 28.05.2020 Pub.Kind A1,B2 Pub.Lang — IC4

CN107368259 METHOD AND DEVICE FOR WRITING BUSINESS DATA IN BLOCK CHAIN SYSTEM
25.05.2017
IC5
Appl.No 201710379983.8 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 21.11.2017 Pub.Kind A,B Pub.Lang

SG11201909249Q METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
23.05.2018
IC2
Appl.No 11201909249Q Applicant Alibaba Group Holding Limited Pub.Date 28.11.2019 Pub.Kind A1 Pub.Lang

KR1020190136053 서비스 데이터를 블록체인 시스템에 기입하기 위한 방법 및 디바이스
23.05.2018
IC2
Appl.No 1020197032391 Applicant 알리바바 그룹 홀딩 리미티드 Pub.Date 09.12.2019 Pub.Kind A Pub.Lang

EP3591510 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
23.05.2018
IC2
Appl.No 18805039 Applicant ADVANCED NEW TECHNOLOGIES CO LTD Pub.Date 08.01.2020 Pub.Kind A1,A4,B1,B8 Pub.Lang en

VN1201905514 PHƯƠNG PHÁP VÀ THIẾT BỊ ĐỂ GHI DỮ LIỆU DỊCH VỤ TRONG HỆ THỐNG CHUỖI KHỐI
23.05.2018
IC2
Appl.No 1201905514 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 30.01.2020 Pub.Kind A Pub.Lang

JP2020521254 サービス・データをブロックチェーン・システムに書き込むための方法およびデバイス
23.05.2018
IC2
Appl.No 2019565191 Applicant アリババ・グループ・ホールディング・リミテッド Pub.Date 16.07.2020 Pub.Kind A Pub.Lang ja

WO/2018/214898 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
23.05.2018
IC1
Appl.No PCT/CN2018/087968 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 29.11.2018 Pub.Kind A Pub.Lang zh

MYPI 2019005762 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
23.05.2018
IC6
Appl.No PI 2019005762 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 25.11.2018 Pub.Kind A Pub.Lang

US20200019545 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
26.09.2019
IC4
Appl.No 16584579 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 16.01.2020 Pub.Kind A1 Pub.Lang

IN201947040213 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
04.10.2019
IC2
Appl.No 201947040213 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 29.11.2019 Pub.Kind A Pub.Lang en

US20200167344 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
28.01.2020
IC4
Appl.No 16775116 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 28.05.2020 Pub.Kind A1,B2 Pub.Lang

1. US20200167344 - METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM

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

[EN]

CROSS REFERENCE TO RELATED APPLICATIONS

___The present application is a continuation application of U.S. patent application Ser. No. 16/584,579, filed on Sep. 26, 2019, and titled "Method and Device for Writing Service Data in Block Chain System," which is a continuation application of the International Patent Application No. PCT/CN2018/087968, filed on May 23, 2018, and titled "Method and Device for Writing Service Data in Block Chain System," which claims priority to Chinese Patent Application No. 201710379983.8 filed on May 25, 2017. The entire contents of all of the above applications are incorporated herein by reference in their entirety.

TECHNICAL FIELD

___The present application relates to the field of computer technologies, and in particular, to a method and device for writing transaction data in a blockchain system.

BACKGROUND

___With the development of computer technologies, blockchain technologies [also referred to as distributed ledger network] have been extensively used, due to advantages such as decentralization, openness and transparency, immutability, and trustworthiness, in various fields, such as smart contracts, securities transactions, e-commerce, Internet of Things, social communications, document storage, existence proof, identity verification, and equity crowd-funding.

___When a transaction system is implemented based on blockchain technologies, the transaction system [which may also be referred to as a blockchain system as the system is implemented using blockchain technology] needs to write transaction data in a blockchain. When the blockchain system receives transaction data to be added to a blockchain [which may also be referred to as a transaction in blockchain technologies], the blockchain system chronologically executes these transactions using a first-in first-out sequence, thereby completing operations such as transaction verification, implementation, writing data into blockchain, etc.

___In current technologies, to fully and reasonably use computation resources of a blockchain system, the blockchain system may comprise many different types of transactions and equally treat these different types of transaction data chronologically. In some cases, however, the manner in which transactions are executed chronologically is unable to meet application demand. For example, when various types of information having different confidentiality levels are processed, the blockchain system may receive transactions for processing information of different confidentiality levels. At this point, the information of different confidentiality levels may need to be isolated to prevent leaking information of a higher confidentiality level from and to ensure the information security. Therefore, when a special control needs to be performed on a transaction, the manner of writing blockchain transaction data in current technologies is unable to meet the application demand.

___Therefore, there is an urgent need for a method for writing transaction data that can meet transaction processing needs for different types of transaction data in a blockchain system having various types of transaction data.

CN107368259 METHOD AND DEVICE FOR WRITING BUSINESS DATA IN BLOCK CHAIN SYSTEM
25.05.2017
IC5
Appl.No 201710379983.8 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 21.11.2017 Pub.Kind A,B Pub.Lang

SG11201909249Q METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
23.05.2018
IC2
Appl.No 11201909249Q Applicant Alibaba Group Holding Limited Pub.Date 28.11.2019 Pub.Kind A1 Pub.Lang

KR1020190136053 서비스 데이터를 블록체인 시스템에 기입하기 위한 방법 및 디바이스
23.05.2018
IC2
Appl.No 1020197032391 Applicant 알리바바 그룹 홀딩 리미티드 Pub.Date 09.12.2019 Pub.Kind A Pub.Lang

EP3591510 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
23.05.2018
IC2
Appl.No 18805039 Applicant ADVANCED NEW TECHNOLOGIES CO LTD Pub.Date 08.01.2020 Pub.Kind A1,A4,B1,B8 Pub.Lang en

VN1201905514 PHƯƠNG PHÁP VÀ THIẾT BỊ ĐỂ GHI DỮ LIỆU DỊCH VỤ TRONG HỆ THỐNG CHUỖI KHỐI
23.05.2018
IC2
Appl.No 1201905514 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 30.01.2020 Pub.Kind A Pub.Lang

JP2020521254 サービス・データをブロックチェーン・システムに書き込むための方法およびデバイス
23.05.2018
IC2
Appl.No 2019565191 Applicant アリババ・グループ・ホールディング・リミテッド Pub.Date 16.07.2020 Pub.Kind A Pub.Lang ja

WO/2018/214898 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
23.05.2018
IC1
Appl.No PCT/CN2018/087968 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 29.11.2018 Pub.Kind A Pub.Lang zh

MYPI 2019005762 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
23.05.2018
IC6
Appl.No PI 2019005762 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 25.11.2018 Pub.Kind A Pub.Lang

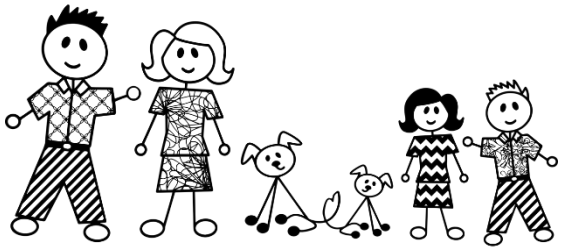
US20200019545 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
26.09.2019
IC4
Appl.No 16584579 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 16.01.2020 Pub.Kind A1 Pub.Lang

IN201947040213 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
04.10.2019
IC2
Appl.No 201947040213 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 29.11.2019 Pub.Kind A Pub.Lang en

US20200167344 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM
28.01.2020
IC4
Appl.No 16775116 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 28.05.2020 Pub.Kind A1,B2 Pub.Lang

Statistics

71 collections + PCT

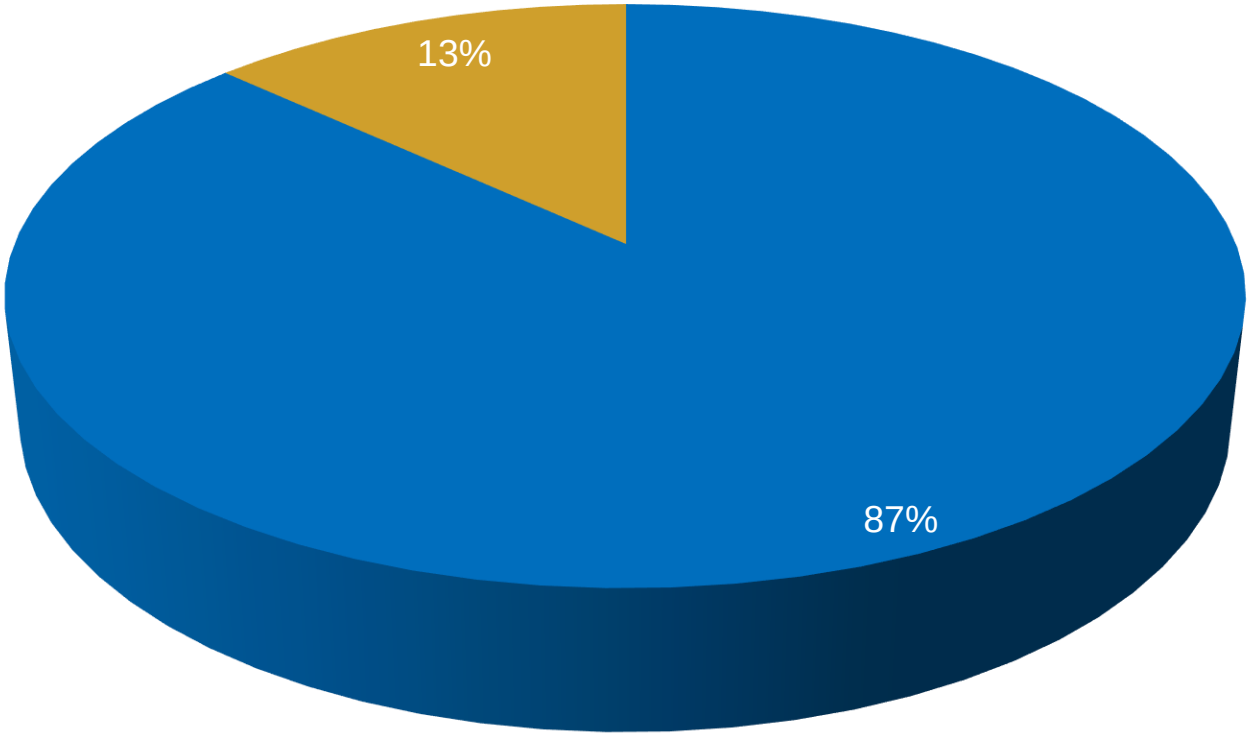


8 millions

34 millions

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

PCT collection



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WORLD
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ORGANIZATION

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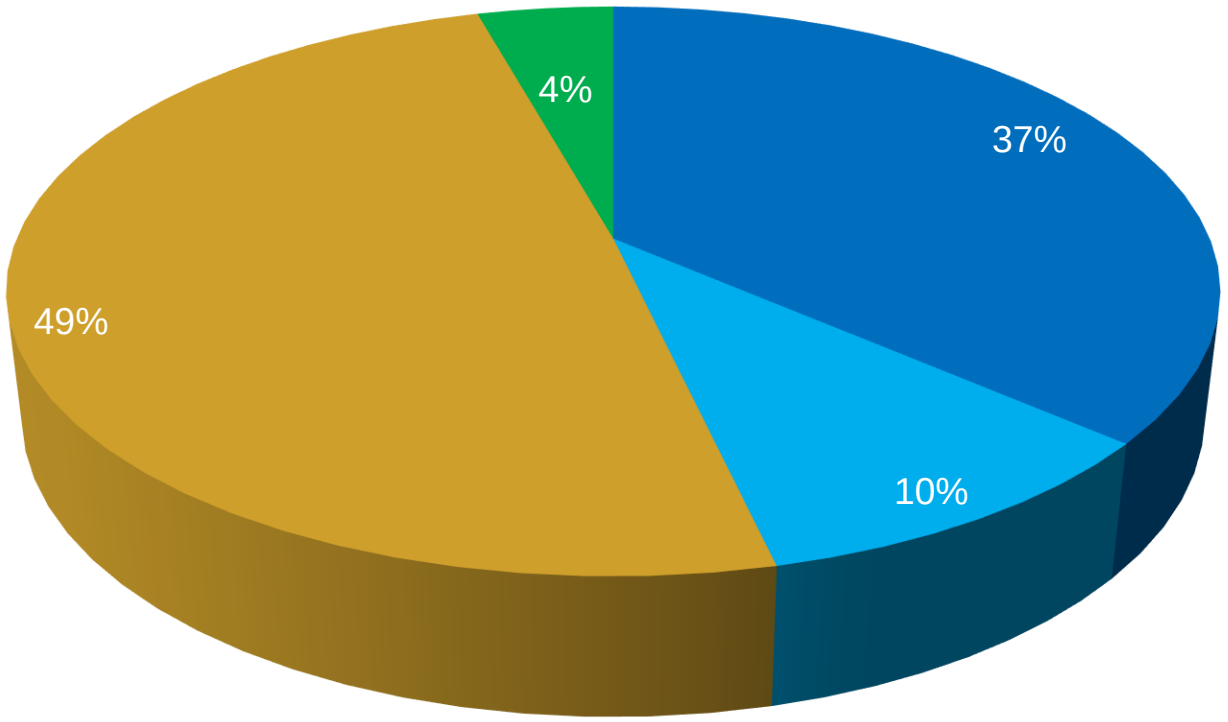


PATENTSCOPE

No patent families tab

National Biblio. Data | Description | Claims | Drawings | Documents

PermaLink | Machine translation

Office
United States of America

Application Number
09911653

Application Date
23.07.2001

Publication Number
20020035837

Publication Date
28.03.2002

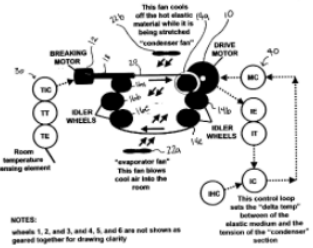
Grant Number
6568196

Grant Date
27.05.2003

Publication Kind
B2

IPC
F25B 43/02 | F25B 49/00 | C09K 5/00 | C09K 5/14 | F24F 5/00 | F24J 3/00

Title
[EN] Air conditioner



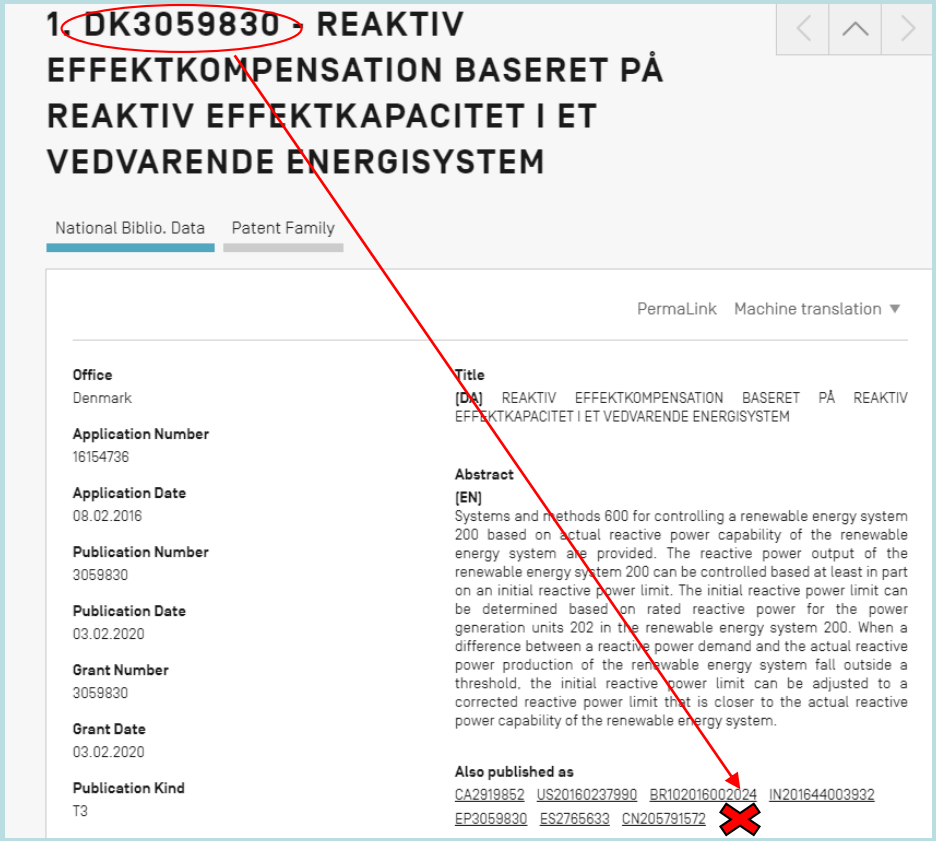
Abstract
[EN]
An air conditioning/cooling system employs an elastic medium such as, for example, a rubber band, instead of the working fluid gases typically used in conventional air conditioners. The system is thus benign and environmentally friendly.

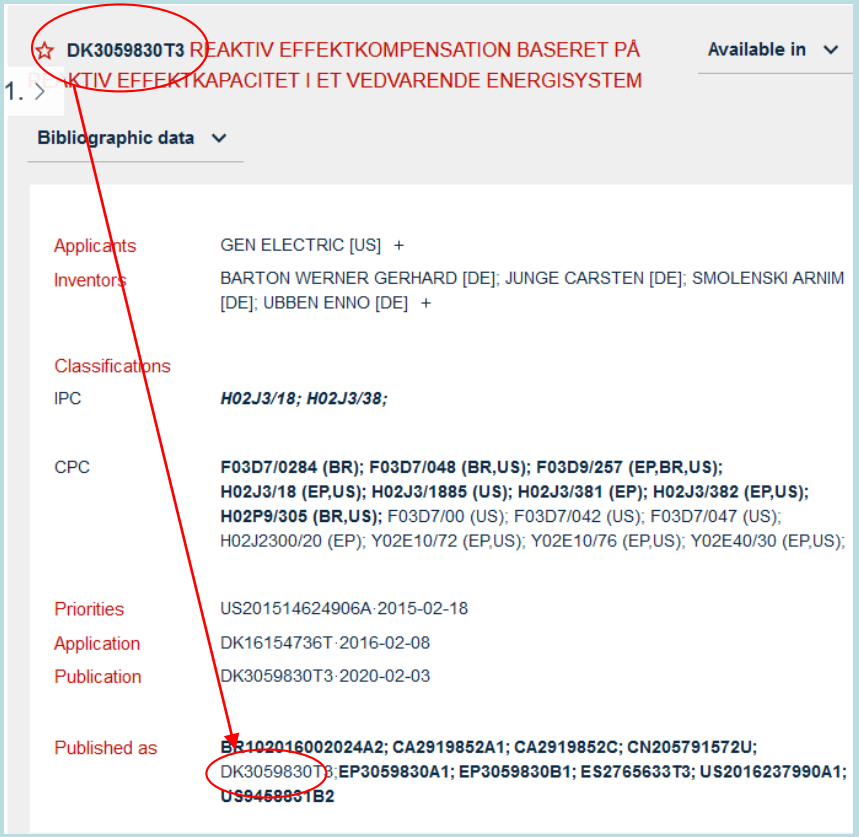
No “also published as”

Published Application		
		View
US09911653A1	US20020328	XML, ZIP(XML + TIFFs)
US09911653B2	US20030527	XML, ZIP(XML + TIFFs)

PATENTSCOPE

Espacenet





PATENTSCOPE

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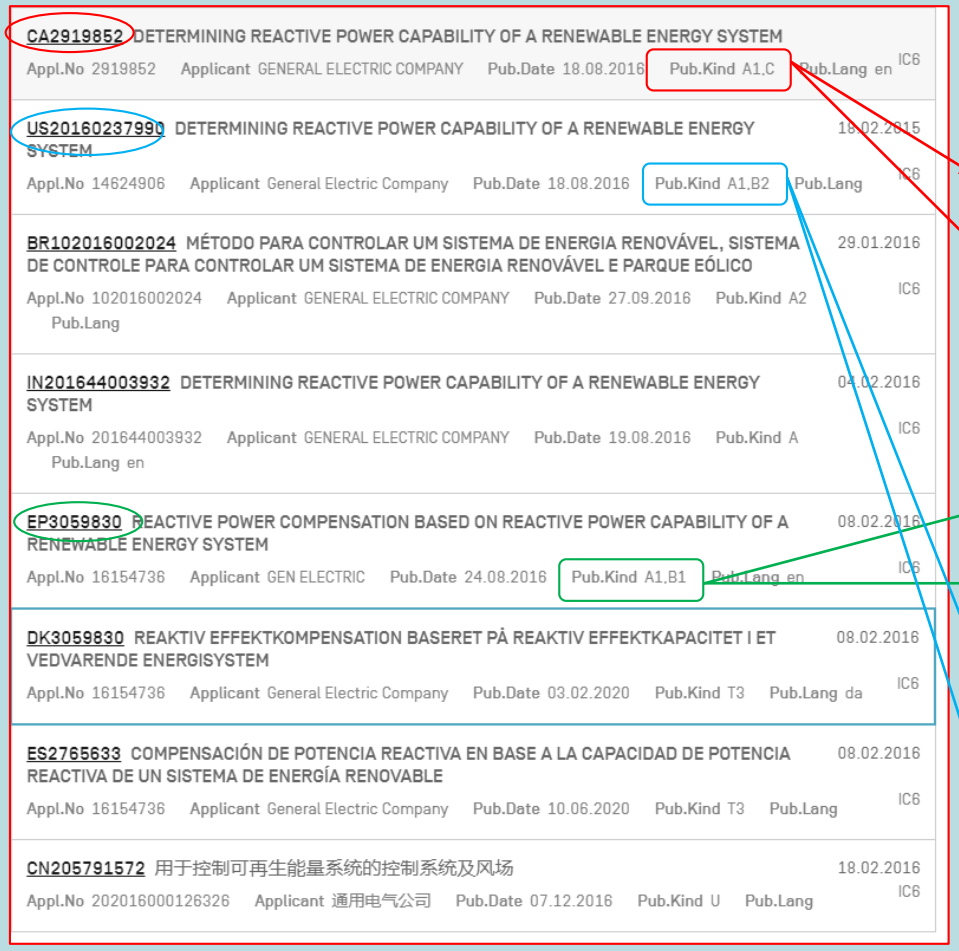


CA2919852 DETERMINING REACTIVE POWER CAPABILITY OF A RENEWABLE ENERGY SYSTEM
Appl.No 2919852 Applicant GENERAL ELECTRIC COMPANY Pub.Date 18.08.2016 Pub.Kind A1,C Pub.Lang en IC6

US20160237990 DETERMINING REACTIVE POWER CAPABILITY OF A RENEWABLE ENERGY SYSTEM 18.02.2015
Appl.No 14624906 Applicant General Electric Company Pub.Date 18.08.2016 Pub.Kind A1,B2 Pub.Lang IC6

BR102016002024 MÉTODO PARA CONTROLAR UM SISTEMA DE ENERGIA RENOVÁVEL, SISTEMA DE CONTROLE PARA CONTROLAR UM SISTEMA DE ENERGIA RENOVÁVEL E PARQUE EÓLICO 29.01.2016
Appl.No 102016002024 Applicant GENERAL ELECTRIC COMPANY Pub.Date 27.09.2016 Pub.Kind A2 Pub.Lang IC6

IN201644003932 DETERMINING REACTIVE POWER CAPABILITY OF A RENEWABLE ENERGY SYSTEM 04.02.2016
Appl.No 201644003932 Applicant GENERAL ELECTRIC COMPANY Pub.Date 19.08.2016 Pub.Kind A Pub.Lang en IC6

EP3059830 REACTIVE POWER COMPENSATION BASED ON REACTIVE POWER CAPABILITY OF A RENEWABLE ENERGY SYSTEM 08.02.2016
Appl.No 16154736 Applicant GEN ELECTRIC Pub.Date 24.08.2016 Pub.Kind A1,B1 Pub.Lang en IC6

DK3059830 REAKTIV EFFEKTKOMPENSATION BASERET PÅ REAKTIV EFFEKTKAPACITET I ET VEDVARENDE ENERGISYSTEM 08.02.2016
Appl.No 16154736 Applicant General Electric Company Pub.Date 03.02.2020 Pub.Kind T3 Pub.Lang da IC6

ES2765633 COMPENSACIÓN DE POTENCIA REACTIVA EN BASE A LA CAPACIDAD DE POTENCIA REACTIVA DE UN SISTEMA DE ENERGÍA RENOVABLE 08.02.2016
Appl.No 16154736 Applicant General Electric Company Pub.Date 10.06.2020 Pub.Kind T3 Pub.Lang IC6

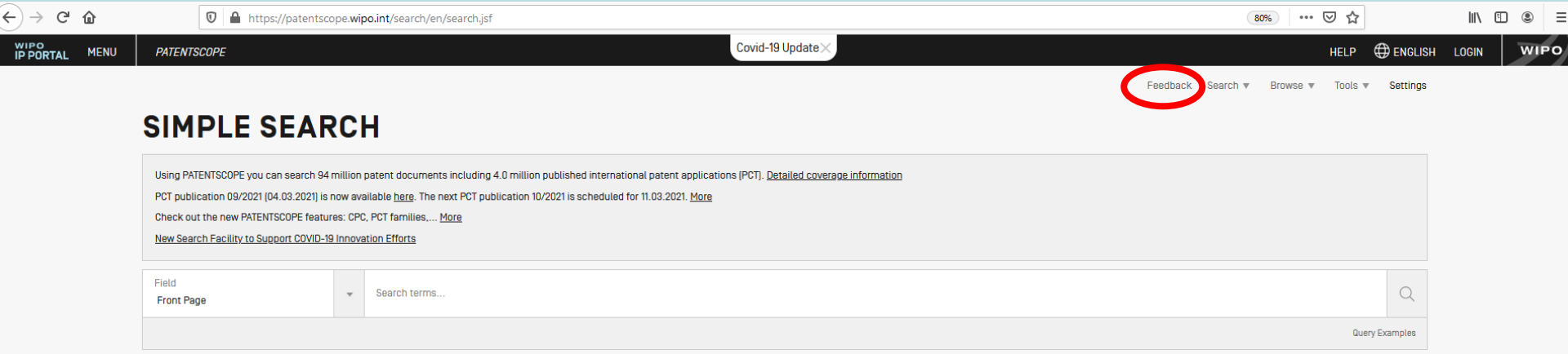
CN205791572 用于控制可再生能量系统的控制系统及风场 18.02.2016
Appl.No 202016000126326 Applicant 通用电气公司 Pub.Date 07.12.2016 Pub.Kind U Pub.Lang IC6

Publication	Application number	Title
BR102016002024A2	BR102016002024A	método para controlar um sistema de energia renovável, sist controlar um sistema de energia renovável e parque eólico
CA2919852A1	CA2919852A	DETERMINING REACTIVE POWER CAPABILITY OF A RE SYSTEM
CA2919852C	CA2919852A	DETERMINING REACTIVE POWER CAPABILITY OF A RE SYSTEM
CN205791572U	CN201620126326U	A control system and feng chang for controlling renewable e
DK3059830T3	DK16154736T	REAKTIV EFFEKTKOMPENSATION BASERET PÅ REAKT I ET VEDVARENDE ENERGISYSTEM
EP3059830A1	EP16154736A	REACTIVE POWER COMPENSATION BASED ON REACT CAPABILITY OF A RENEWABLE ENERGY SYSTEM
EP3059830B1	EP16154736A	REACTIVE POWER COMPENSATION BASED ON REACT CAPABILITY OF A RENEWABLE ENERGY SYSTEM
ES2765633T3	ES16154736T	Compensación de potencia reactiva en base a la capacidad un sistema de energía renovable
US2016237990A1	US201514624906A	DETERMINING REACTIVE POWER CAPABILITY OF A RE SYSTEM
US9458831B2	US201514624906A	Determining reactive power capability of a renewable energy

What’s next

- Improvements
  - Enhance the discovery (focus in the 4% not grouped)
  - IC7: National application related to another application of the same national office already included in the family

Feedback


https://patentscope.wipo.int/search/en/search.jsf
80%
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Feedback
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Browse
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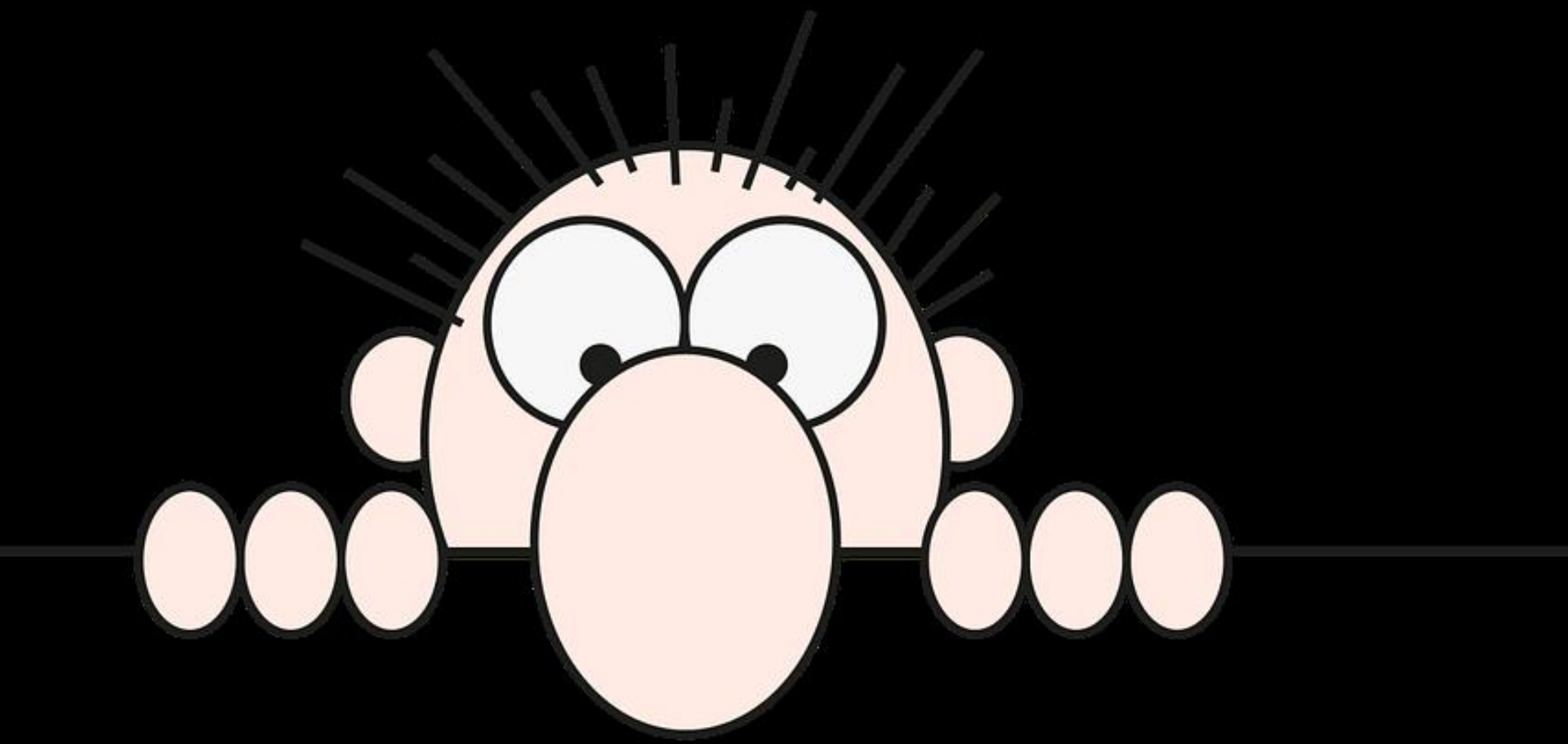
Using PATENTSCOPE you can search 94 million patent documents including 4.0 million published international patent applications (PCT). Detailed coverage information
PCT publication 09/2021 (04.03.2021) is now available here. The next PCT publication 10/2021 is scheduled for 11.03.2021. More
Check out the new PATENTSCOPE features: CPC, PCT families,... More
New Search Facility to Support COVID-19 Innovation Efforts
Field
Front Page
Search terms...
Query Examples

Marksuh



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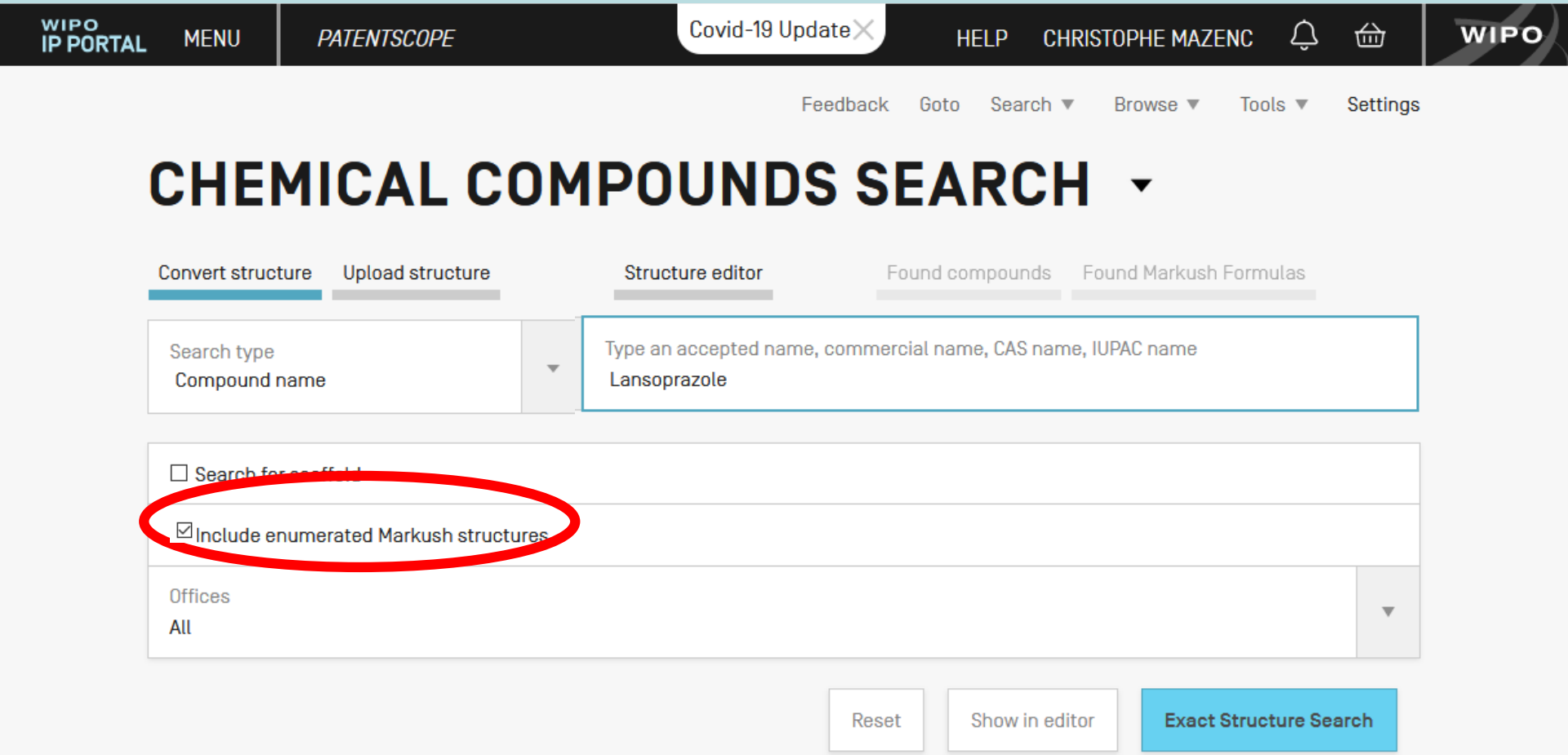


CHEM:(MJIHNNLFOKEZEW-UHFFFAOYSA-N) OR ENUM:(MJIHNNLFOKEZEW-UHFFFAOYSA-N)

15,167 results Offices all Languages en Stemming true Single Family Member false

Sort: Pub Date Asc Per page: 10 View: All 1 / 1,517 Download Machine translation

1. **1986050978** ピリジン誘導体およびその製造法 JP - 13.03.1986
Int.Class C07D 401/12 Appl.No 1984171069 Applicant 武田薬品工業株式会社 Inventor 野原 昭

2. **0174726** DÉRIVÉS DE PYRIDINE ET LEUR PRÉPARATION. EP - 19.03.1986
Int.Class A61K 31/44 Appl.No 85305458 Applicant TAKEDA CHEMICAL INDUSTRIES, LTD. Inventor NOHARA, AKIRA

3. **8607288** UN METODO PARA PRODUCIR UN DERIVADO DE PIRIDINA ES - 16.05.1986
Int.Class C07D 213/30 Appl.No 54615285 Applicant TAKEDA CHEMICAL INDUSTRIES LTD Inventor
METODO PARA PRODUCIR UN DERIVADO DE PIRIDINA. CONSISTE EN DEJAR REACCIONAR UN COMPUESTO DE FORMULA (II) CON UN COMPUESTO DE FORMULA (III) Y SOMETER A OXIDACION EL PRODUCTO DE REACCION, PARA PRODUCIR UN DERIVADO DE PIRIDINA DE FORMULA (I), DONDE R1 ES H, METOXI O TRIFLUOROMETILO; R2 Y R3 SON INDEPENDIENTEMENTE H O METILO, R4 ES UN ALQUILO FLUORADO DE C 2 A 5; Y N SIGNIFICA 0 O 1, PUDIENDOSE PREPARAR TAMBIEN UNA SAL DEL MISMO FARMACOLOGICAMENTE ACEPTABLE. LA TEMPERATURA DE REACCION ESTA COMPRENDIDA ENTRE 0 Y LA DEL PUNTO DE EBULLICION DEL DISOLVENTE QUE SE EMPLEE, Y DURANTE UN TIEMPO ENTRE 0,2 Y 24 HORAS. SE EMPLEAN FARMACEUTICAMENTE COMO AGENTES ANTIULCERAS.-

4. **4628098** 2-[2-PYRIDYLMETHYLTHIO-[SULFINYL]]BENZIMIDAZOLES US - 09.12.1986
Int.Class C07D 401/12 Appl.No 06760568 Applicant Takeda Chemical Industries, Ltd. Inventor Nohara Akira
The compound of the formula ##STR1## wherein R.sup.1 is hydrogen, methoxy or trifluoromethyl, R.sup.2 and R.sup.3 are independently hydrogen or methyl, R.sup.4 is a C.sub.2-5 fluorinated alkyl and n denotes 0 or 1, or a pharmacologically acceptable salt thereof is novel, and useful for prophylaxis and therapy of digestive ulcers [e.g. gastric ulcer, duodenal ulcer] and gastritis.

ENUM:(MJIHNNLFOKEZEW-UHFFFAOYSA-N)

248 results Offices all Languages en Stemming true Single Family Member false

Sort: Pub Date Asc Per page: 10 View: All 1 / 25 Download Machine translation

1. **1986050978** ピリジン誘導体およびその製造法 JP - 13.03.1986
Int.Class C07D 401/12 Appl.No 1984171069 Applicant 武田薬品工業株式会社 Inventor 野原 昭

2. **0174726** DÉRIVÉS DE PYRIDINE ET LEUR PRÉPARATION. EP - 19.03.1986
Int.Class A61K 31/44 Appl.No 85305458 Applicant TAKEDA CHEMICAL INDUSTRIES, LTD. Inventor NOHARA, AKIRA

3. **8607288** UN METODO PARA PRODUCIR UN DERIVADO DE PIRIDINA ES - 16.05.1986
Int.Class C07D 213/30 Appl.No 54615285 Applicant TAKEDA CHEMICAL INDUSTRIES LTD Inventor
METODO PARA PRODUCIR UN DERIVADO DE PIRIDINA. CONSISTE EN DEJAR REACCIONAR UN COMPUESTO DE FORMULA (II) CON UN COMPUESTO DE FORMULA (III) Y SOMETER A OXIDACION EL PRODUCTO DE REACCION, PARA PRODUCIR UN DERIVADO DE PIRIDINA DE FORMULA (I), DONDE R1 ES H, METOXI O TRIFLUOROMETILO; R2 Y R3 SON INDEPENDIENTEMENTE H O METILO, R4 ES UN ALQUILO FLUORADO DE C 2 A 5; Y N SIGNIFICA 0 O 1, PUDIENDOSE PREPARAR TAMBIEN UNA SAL DEL MISMO FARMACOLOGICAMENTE ACEPTABLE. LA TEMPERATURA DE REACCION ESTA COMPRENDIDA ENTRE 0 Y LA DEL PUNTO DE EBULLICION DEL DISOLVENTE QUE SE EMPLEE, Y DURANTE UN TIEMPO ENTRE 0,2 Y 24 HORAS. SE EMPLEAN FARMACEUTICAMENTE COMO AGENTES ANTIULCERAS.-

4. **4628098** 2-[2-PYRIDYLMETHYLTHIO-[SULFINYL]]BENZIMIDAZOLES US - 09.12.1986
Int.Class C07D 401/12 Appl.No 06760568 Applicant Takeda Chemical Industries, Ltd. Inventor Nohara Akira
The compound of the formula ##STR1## wherein R.sup.1 is hydrogen, methoxy or trifluoromethyl, R.sup.2 and R.sup.3 are independently hydrogen or methyl, R.sup.4 is a C.sub.2-5 fluorinated alkyl and n denotes 0 or 1, or a pharmacologically acceptable salt thereof is novel, and useful for prophylaxis and therapy of digestive ulcers [e.g. gastric ulcer, duodenal ulcer] and gastritis.

2. EP0174726 - PYRIDINE DERIVATIVES AND THEIR PRODUCTION

National Biblio. Data | Description | Claims | Compounds | Markush | Documents

PermaLink Machine translation ▼

Office
European Patent Office

Application Number
85305458

Application Date
31.07.1985

Publication Number
0174726

Publication Date
19.03.1986

Publication Kind
B1

IPC
A61K 31/44 | A61K 31/4409 | A61K 31/4418 | A61K 31/4427 | A61P 1/04 | C07D 213/68
View more classifications

CPC
A61P 1/04 | C07D 213/68 | C07D 213/89 | C07D 401/12

Applicants
TAKEDA CHEMICAL INDUSTRIES, LTD.

Inventors
NOHARA, AKIRA

Title
[DE] Pyridin-Derivate und deren Herstellung.
[EN] PYRIDINE DERIVATIVES AND THEIR PRODUCTION
[FR] Dérivés de pyridine et leur préparation.

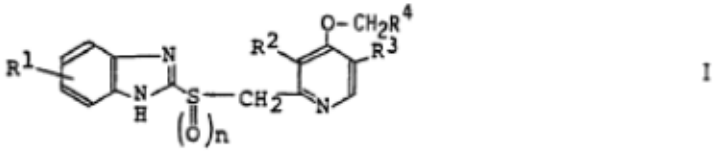
Abstract

Other related publications
BG60415 DK356485 ES546152 ES8607288

Markush information display

[0006] The present invention relates to

[1] pyridine derivatives of the formula (I)



I

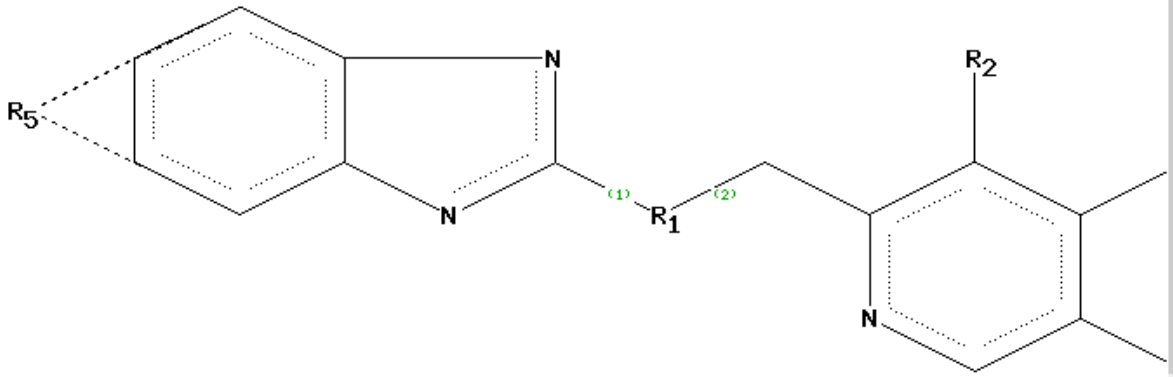
wherein R' is hydrogen, methoxy or trifluoromethyl, R^2 and R^3 are independently hydrogen or methyl, R^4 is a C_{1-4} fluorinated alkyl, arid n denotes 0 or 1, or their pharmacologically acceptable salts and

2. EP0174726 - PYRIDINE DERIVATIVES AND THEIR PRODUCTION

National Biblio. Data | Description | Claims | Compounds | Markush | Documents

PermaLink

Markush Nr.	Markush formula
8265-43501	Enumerated compounds

Markush Nr.	Markush formula
8265-43501	

R1 =

R2 =

Markush Nr.
8265-43501

Markush formula

Enumerated compounds

Note: These structures have been created automatically. Please use the original Markush definition in the PDF version for legal matters

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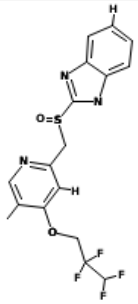

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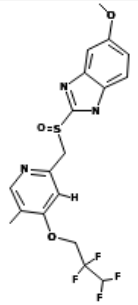

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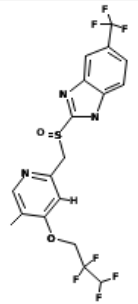

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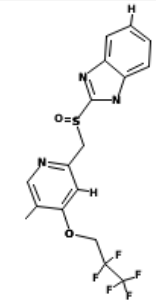

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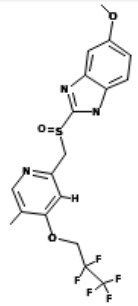

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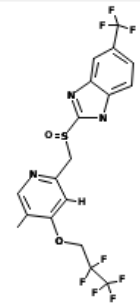

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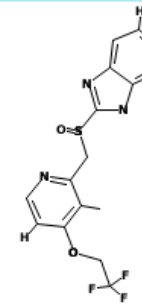

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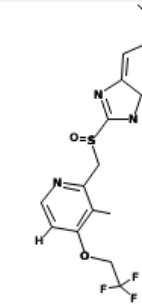

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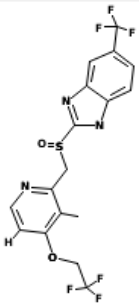

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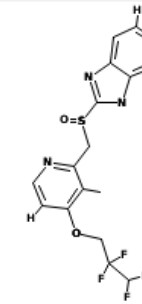

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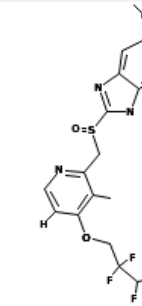

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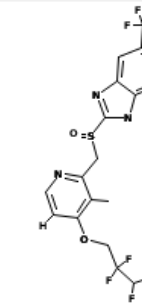

CHEMICAL COMPOUNDS SEARCH

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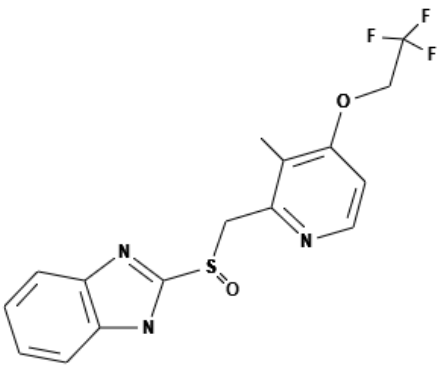

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InChiKey: MJIHNNLFOKEZEW-UHFFFAOYSA-N
Molecular Formula: C16H14F3N3O2S
Molecular Weight: 369.3664 g/mol

☐ Search for scaffold

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search results [10 hits found, 11% searched]

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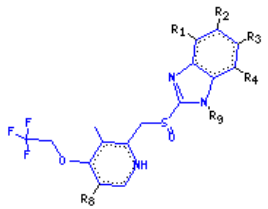
9138-09401



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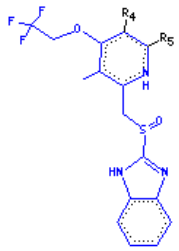

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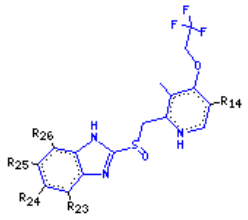

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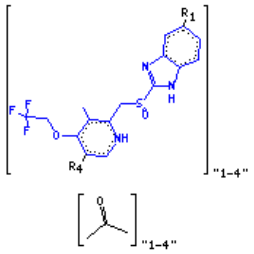

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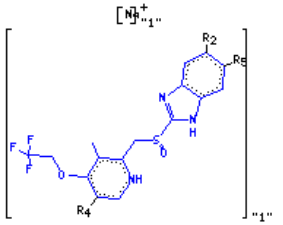

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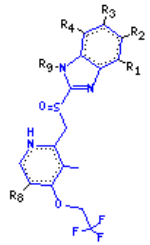

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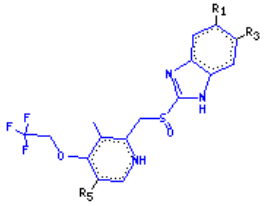

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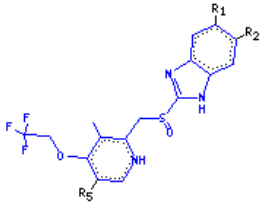

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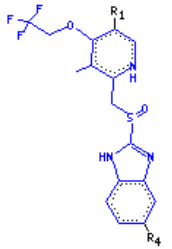

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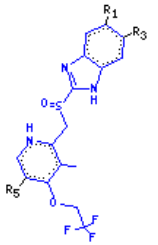

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search results (114 hits found)

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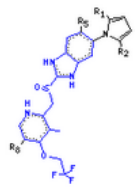

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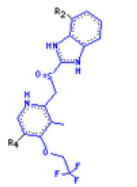

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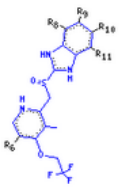

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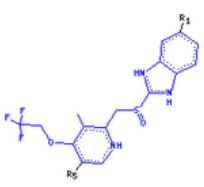

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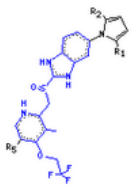

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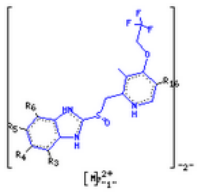

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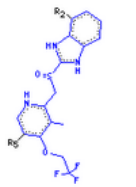

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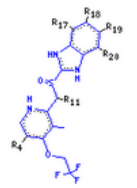

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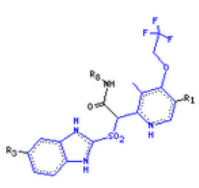

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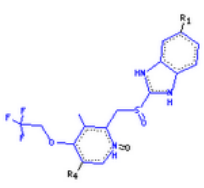

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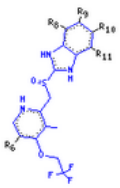

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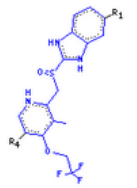

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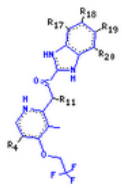

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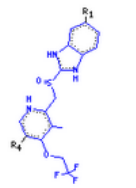

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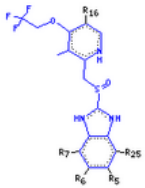

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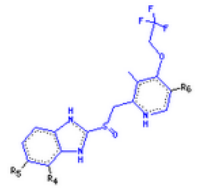

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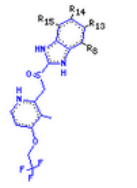

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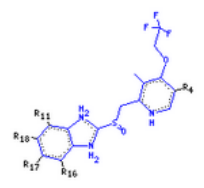

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1. **1986050978** ピリジン誘導体およびその製造法 JP - 13.03.1988
Int.Class C07D 401/12 Appl.No 1984171069 Applicant 武田薬品工業株式会社 Inventor 野原 昭

2. **0174726** DÉRIVÉS DE PYRIDINE ET LEUR PRÉPARATION. EP - 19.03.1986
Int.Class A61K 31/44 Appl.No 85305458 Applicant TAKEDA CHEMICAL INDUSTRIES, LTD. Inventor NOHARA, AKIRA

3. **8607288** UN METODO PARA PRODUCIR UN DERIVADO DE PIRIDINA ES - 16.05.1988
Int.Class C07D 213/30 Appl.No 54815285 Applicant TAKEDA CHEMICAL INDUSTRIES LTD Inventor
METODO PARA PRODUCIR UN DERIVADO DE PIRIDINA. CONSISTE EN DEJAR REACCIONAR UN COMPUESTO DE FORMULA (II) CON UN COMPUESTO DE FORMULA (III) Y SOMETER A OXIDACION EL PRODUCTO DE REACCION, PARA PRODUCIR UN DERIVADO DE PIRIDINA DE FORMULA (I), DONDE R1 ES H, METOXI O TRIFLUOROMETILO; R2 Y R3 SON INDEPENDIENTEMENTE H O METILO, R4 ES UN ALQUILO FLUORADO DE C 2 A 5; Y N SIGNIFICA 0 O 1, PUDIENDOSE PREPARAR TAMBIEN UNA SAL DEL MISMO FARMACOLOGICAMENTE ACEPTABLE. LA TEMPERATURA DE REACCION ESTA COMPRENDIDA ENTRE 0 Y LA DEL PUNTO DE EBULLICION DEL DISOLVENTE QUE SE EMPLEE, Y DURANTE UN TIEMPO ENTRE 0,2 Y 24 HORAS. SE EMPLEAN FARMACEUTICAMENTE COMO AGENTES ANTIULCERAS.-

4. **4628098** 2-[2-PYRIDYLMETHYLTHIO-[SULFINYL]]BENZIMIDAZOLES US - 09.12.1986
Int.Class C07D 401/12 Appl.No 06780588 Applicant Takeda Chemical Industries, Ltd. Inventor Nohara Akira
The compound of the formula ##STR1## wherein R.sup.1 is hydrogen, methoxy or trifluoromethyl, R.sup.2 and R.sup.3 are independently hydrogen or methyl, R.sup.4 is a C.sub.2-5 fluorinated alkyl and n denotes 0 or 1, or a pharmacologically acceptable salt thereof is novel, and useful for prophylaxis and therapy of digestive ulcers (e.g. gastric ulcer, duodenal ulcer) and gastritis.

5. **1019870002125** 피리딘 유도체의 제조방법 KR - 30.03.1987
Int.Class C07D 401/12 Appl.No 1019850005883 Applicant 구라바야시 이꾸시로다께다야꾸힝고오교 가부시끼가이샤 Inventor 노하라 아끼라
내용 없음.

6. **4689333** 2-[2-PYRIDYLMETHYLTHIO [SULFINYL]] BENZIMIDAZOLES US - 25.08.1987
Int.Class A61K 31/44 Appl.No 06937193 Applicant Takeda Chemical Industries, Ltd. Inventor Nohara Akira
The compound of the formula ##STR1## wherein R.sup.1 is hydrogen, methoxy or trifluoromethyl, R.sup.2 and R.sup.3 are independently hydrogen or methyl, R.sup.4 is a C.sub.2-5 fluorinated alkyl and n denotes 0 or 1, or a pharmacologically acceptable salt thereof is novel, and useful for prophylaxis and therapy of digestive ulcers (e.g. gastric ulcer, duodenal ulcer) and gastritis.

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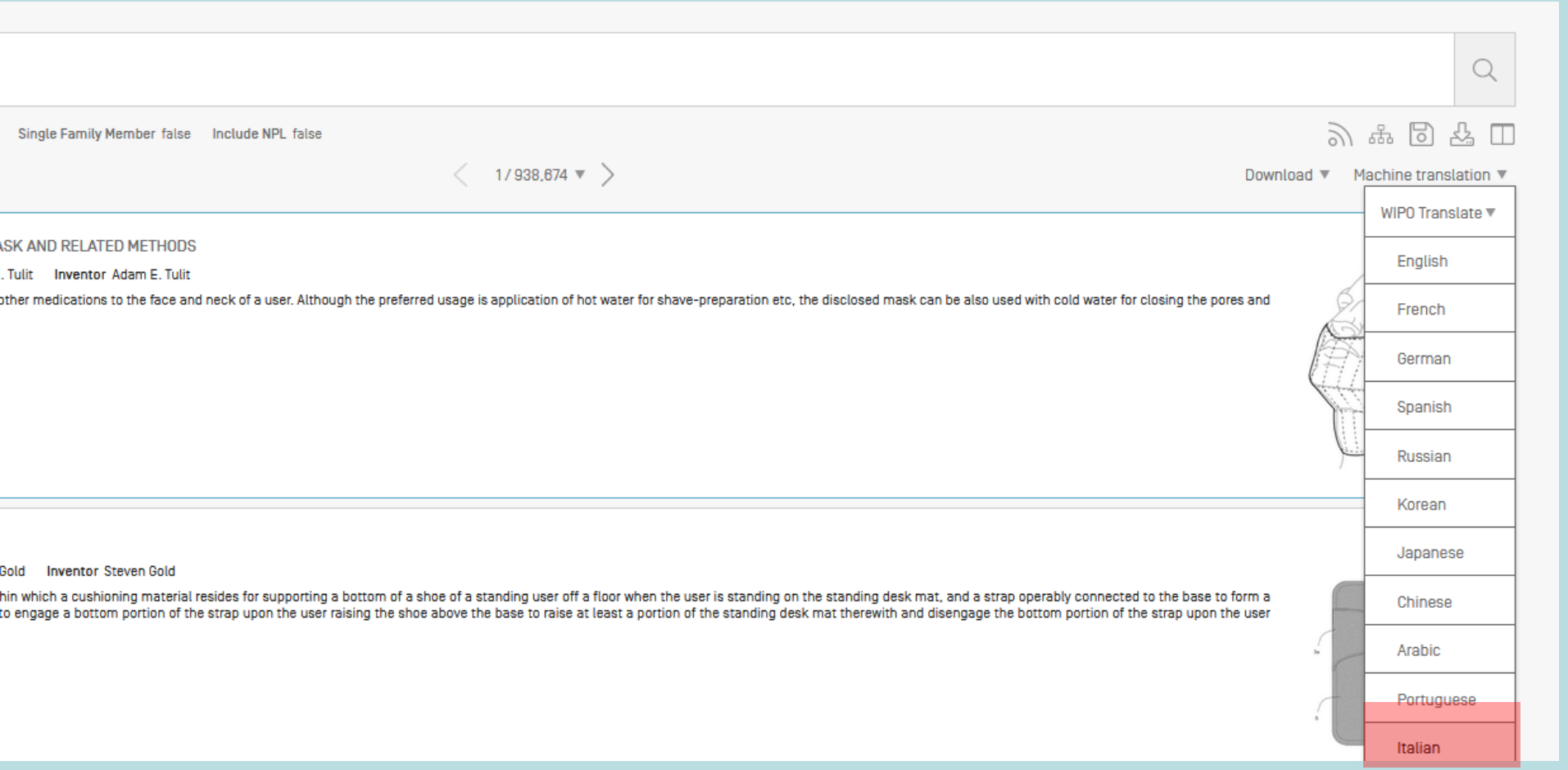

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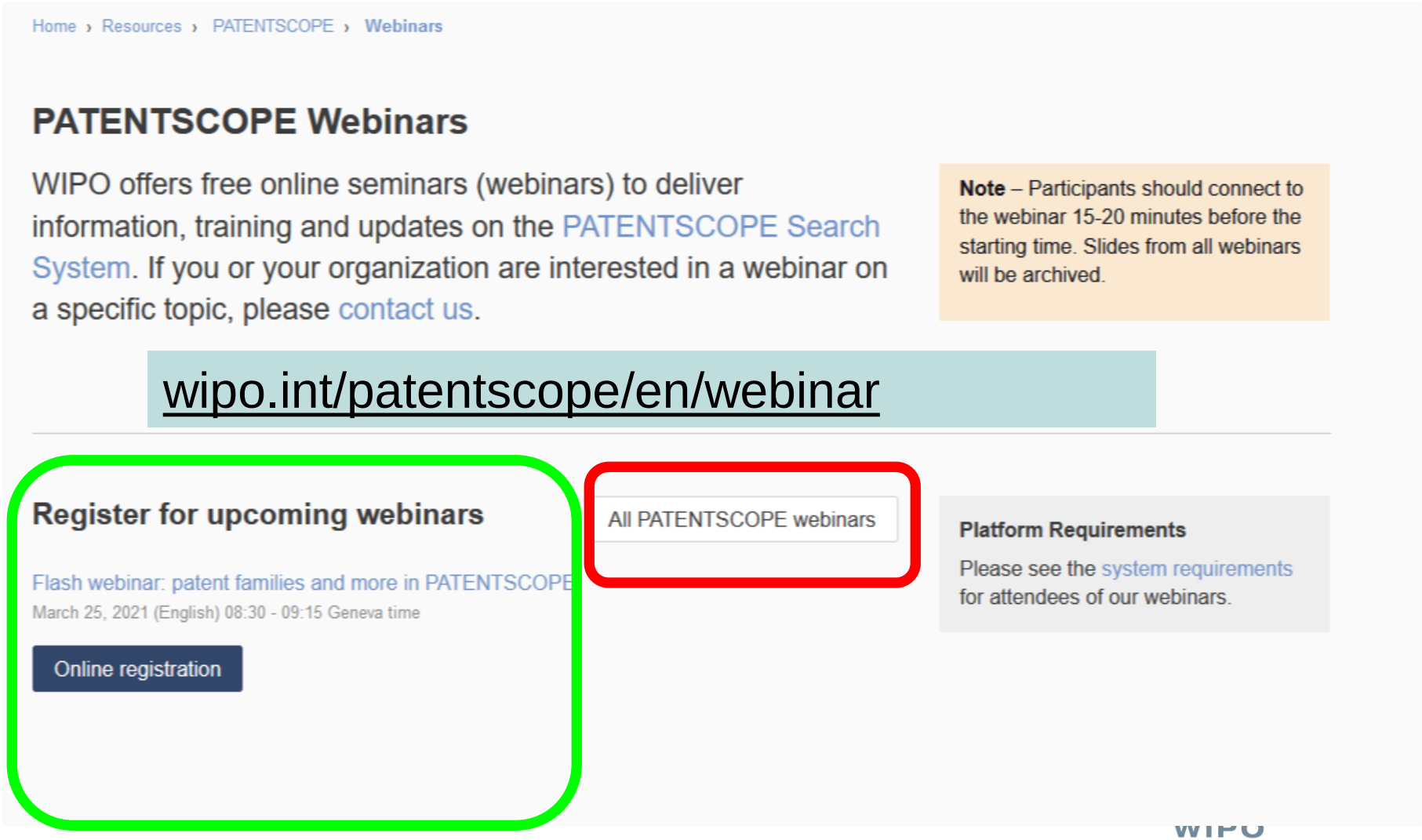

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Global Brand Database, Global Design Database

Webinars:

- https://www.wipo.int/reference/en/branddb/webinar/index.html
- https://www.wipo.int/reference/en/designdb/webinar/index.html


CONTACT
patentscope@wipo.int