

PATENTSCOPE

What's new in “WIPO Patentscope database”?

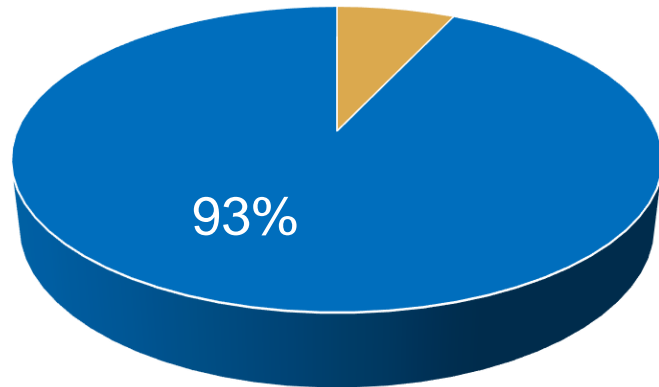
David Diaz Diaz, Data Administrator
Patent Database Section, Global Databases Division
Infrastructure and Platforms Sector

Geneva, November 30, 2023

PATENTSCOPE – Powered by data

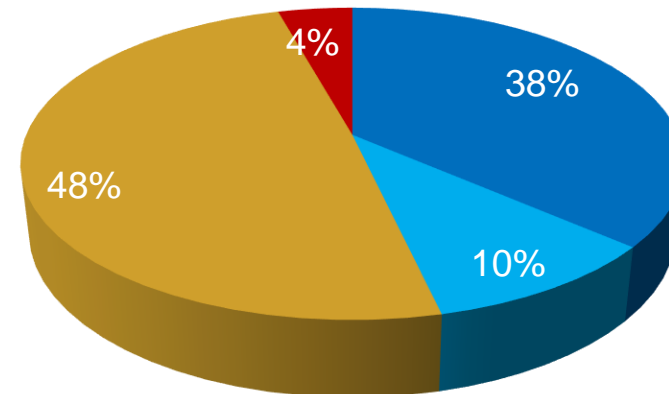
- More than 114 million of filings → 6 million ↑
- 9.7 million of PATENTSCOPE Families (>1 member) → 0.7 million ↑
- 41 million filings from 79 national collections

PCT filings



■ Filings not member of a family ■ Filings in families

All offices filings



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



National and regional data

National offices

- New collections
 - Belgium
 - Norway (with Full-text)
 - Malta (with Full-text)
 - Monaco (with Full-text)
 - Full-text documents of the Philippines office
 - Polish as new WIPO translate language
- Bring up to date existing collections
 - Italy Full-text
 - South Arabia
 - ARIPO

Japanese classifications (FI and F-term)

■ 93% Japanese applications are classified under

■ IPC → IC

■ FI → FICLASSIF

■ F-term → FTERM

■ CPC → CPC

■ Use CLASSIF to search in any classification

2. JP2023546672 - レール特徴部識別システム

National Biblio. Data Full Text Patent Family Documents

Office
Japan

Title
[JA] レール特徴部識別システム

Application Number
2023524529

Application Date
23.10.2021

Publication Number
2023546672

Publication Date
07.11.2023

Publication Kind
A1

IPC
G06T 7/00 B61K 9/08 G06V 10/82 G06T 7/70

CPC
B61L 23/044 B61L 23/045 G06T 7/74
G06T 7/248 G06V 10/7747 G06V 10/56
[View more classifications](#)

FI
B61K 9/08 G06T 7/00.350C G06T 7/00.610B
G06T 7/70A G06V 10/82

F-term
5L096AA02 5L096AA06 5L096BA03
5L096CA04 5L096CA17 5L096DA03
[View more classifications](#)

Abstract
[JA] 本開示は、レール特徴部を同定し、検出し、有し、少なくとも1つのプロセッサは、カメラからの部が識別される。いくつかのシステムでは、少なく

Related patent documents
[WO/2022/087506](#) [CA3196344](#) [AU2021364403](#) [EP423](#)



National Phase Entry

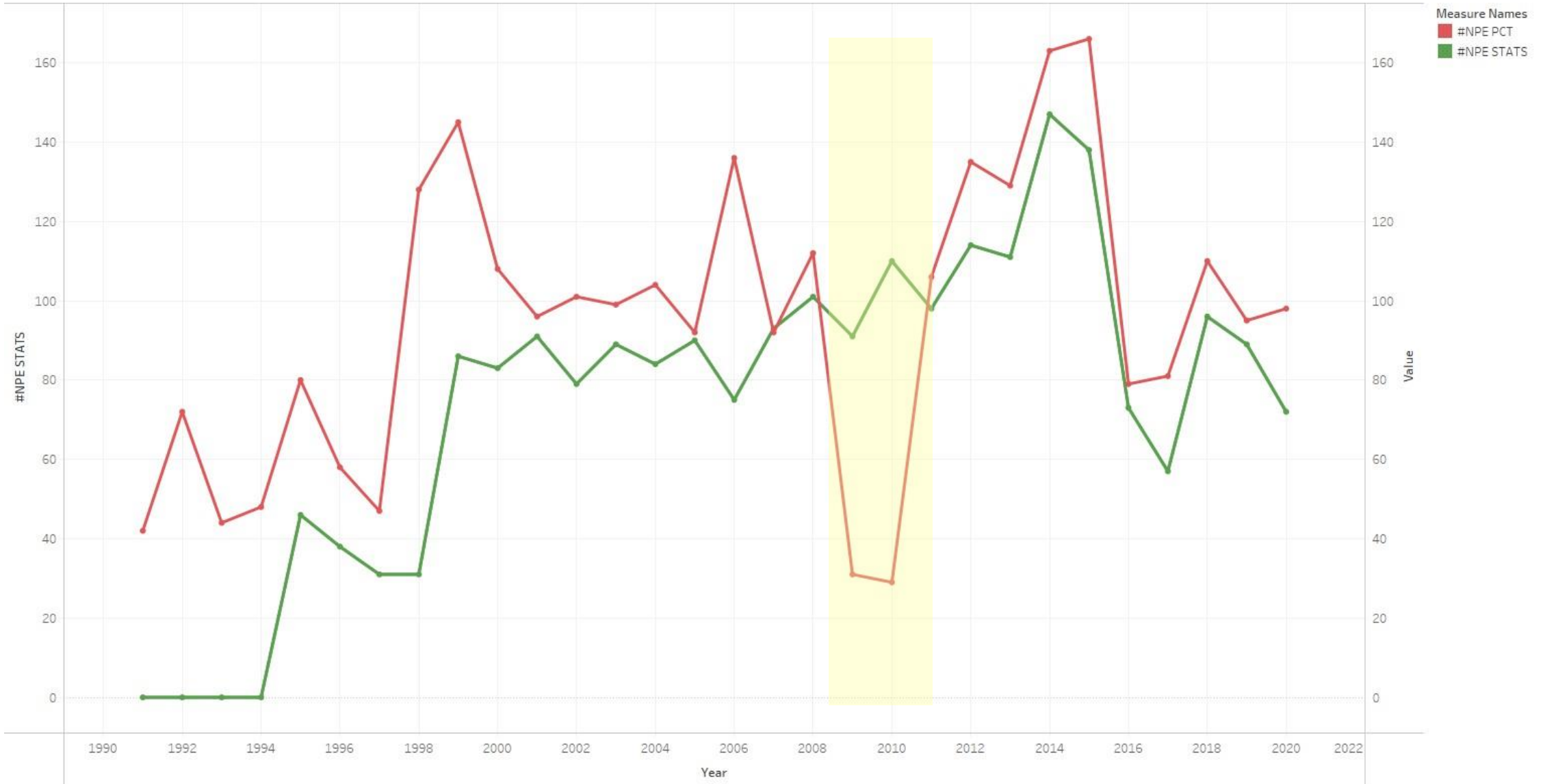
National Phase – Data from PCT contracting states

- National phase entry data shared to WIPO by member states through different mechanisms
 - IP Statistics Data Center <https://www3.wipo.int/ipstats>
 - PCT National Phase Entries via PCT-EDI or files
 - Displayed in Patentscope National Entry tab
 - Bibliographic data
 - Displayed in Patentscope bibliographic data



Patentscope
families

National Phase – Gap analysis



National Phase – Gap analysis

■ National office miss reporting NPE → Patentscope families do help

1. WO2020211537 - ARRAY SUBSTRATE, DISPLAY PANEL, MANUFACTURING METHOD THEREFOR, AND DISPLAY DEVICE

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

PermaLink Machine translation ▾

Publication Number

WO/2020/211537

Publication Date

22.10.2020

International Application No.

PCT/CN2020/076641

Title

[EN] ARRAY SUBSTRATE, DISPLAY PANEL, MANUFACTURING METHOD THEREFOR, AND DISPLAY DEVICE

[FR] SUBSTRAT DE RÉSEAU, PANNEAU D’AFFICHAGE, SON PROCÉDÉ DE FABRICATION, ET DISPOSITIF D’AFFICHAGE

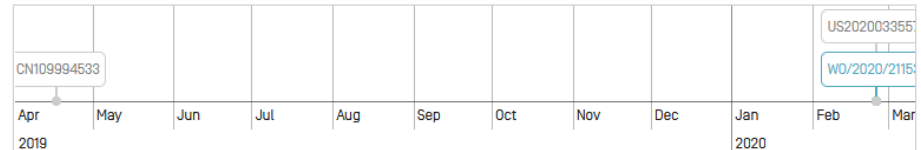
[ZH] 阵列基板、显示面板及其制造方法、显示装置

104

1. WO2020211537 - ARRAY SUBSTRATE, DISPLAY PANEL, MANUFACTURING METHOD THEREFOR, AND DISPLAY DEVICE

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

PermaLink



CN109994533 ARRAY SUBSTRATE, DISPLAY PANEL AND MANUFACTURING METHOD THEREOF Appl.Date 17.04.2019
Appl.No 201910308732.X Applicant BOE TECHNOLOGY GROUP CO., LTD. Inclusion Criteria IC5 Pub.Date 09.07.2019
Pub.Kind A,B

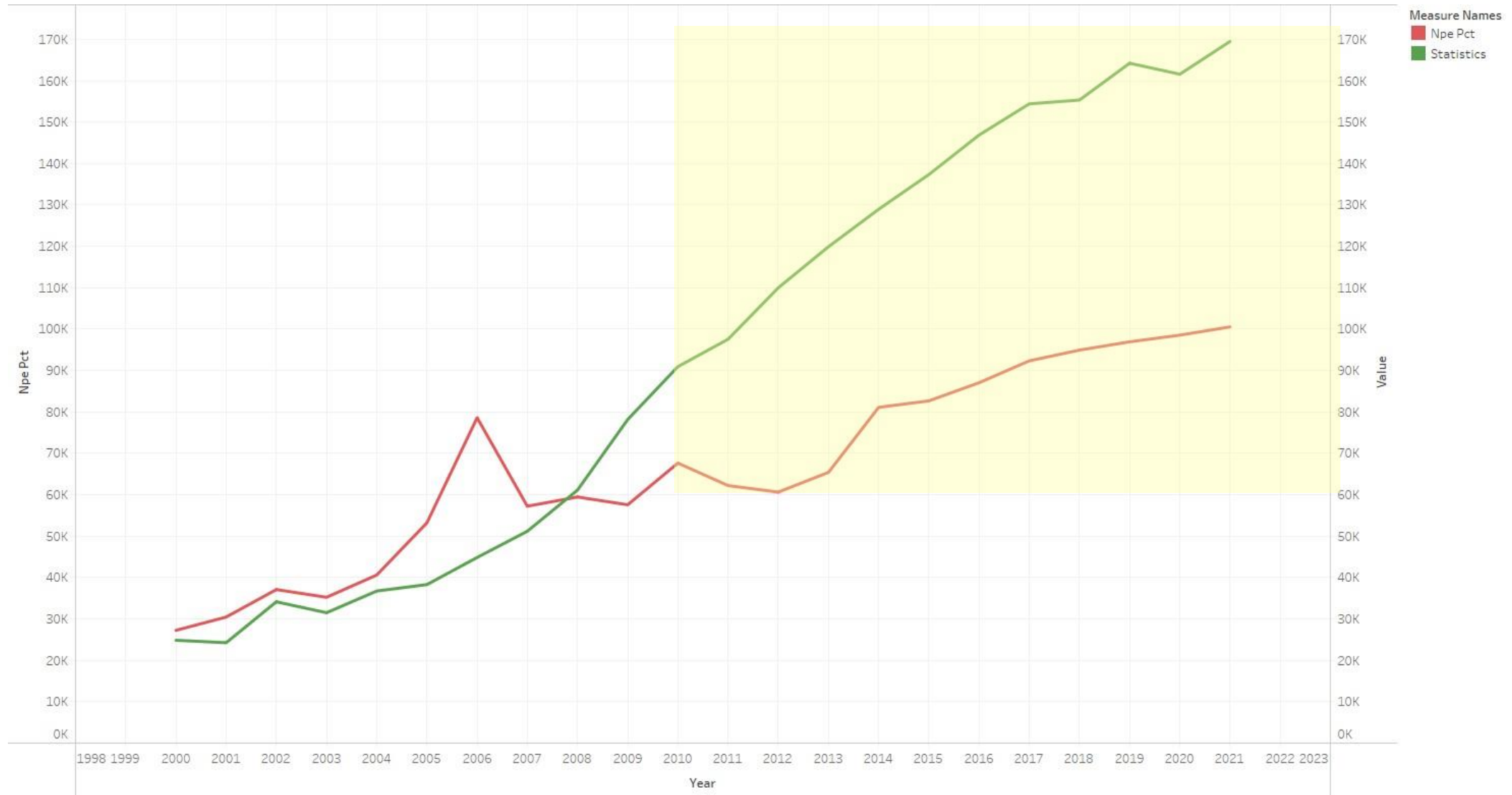
WO/2020/211537 ARRAY SUBSTRATE, DISPLAY PANEL, MANUFACTURING METHOD THEREFOR, AND DISPLAY DEVICE Appl.Date 25.02.2020
Appl.No PCT/CN2020/076641 Applicant BOE TECHNOLOGY GROUP CO., LTD. Inclusion Criteria IC1 Pub.Date 22.10.2020
Pub.Kind A Pub.Lang zh

US20200335575 ARRAY SUBSTRATE, DISPLAY DEVICE, AND METHOD FOR MANUFACTURING SAME Appl.Date 25.02.2020
Appl.No 16895010 Applicant BOE Technology Group Co., Ltd. Pub.Kind A1,B2 Inclusion Criteria IC2 Pub.Date 22.10.2020

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.

National Phase – Gap analysis

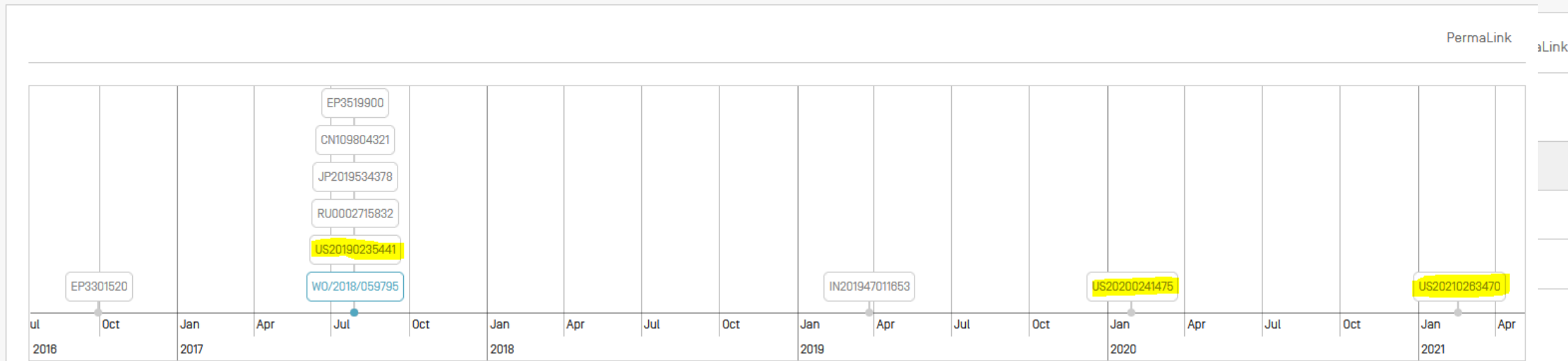


National Phase – Gap analysis

- Domestic relations like divisional and continuations are often not reported as national entries → captured in the **Patentscope families**

1. WO2018059795 - TIMEPIECE COMPONENT COMPRISING A HIGH-ENTROPY ALLOY

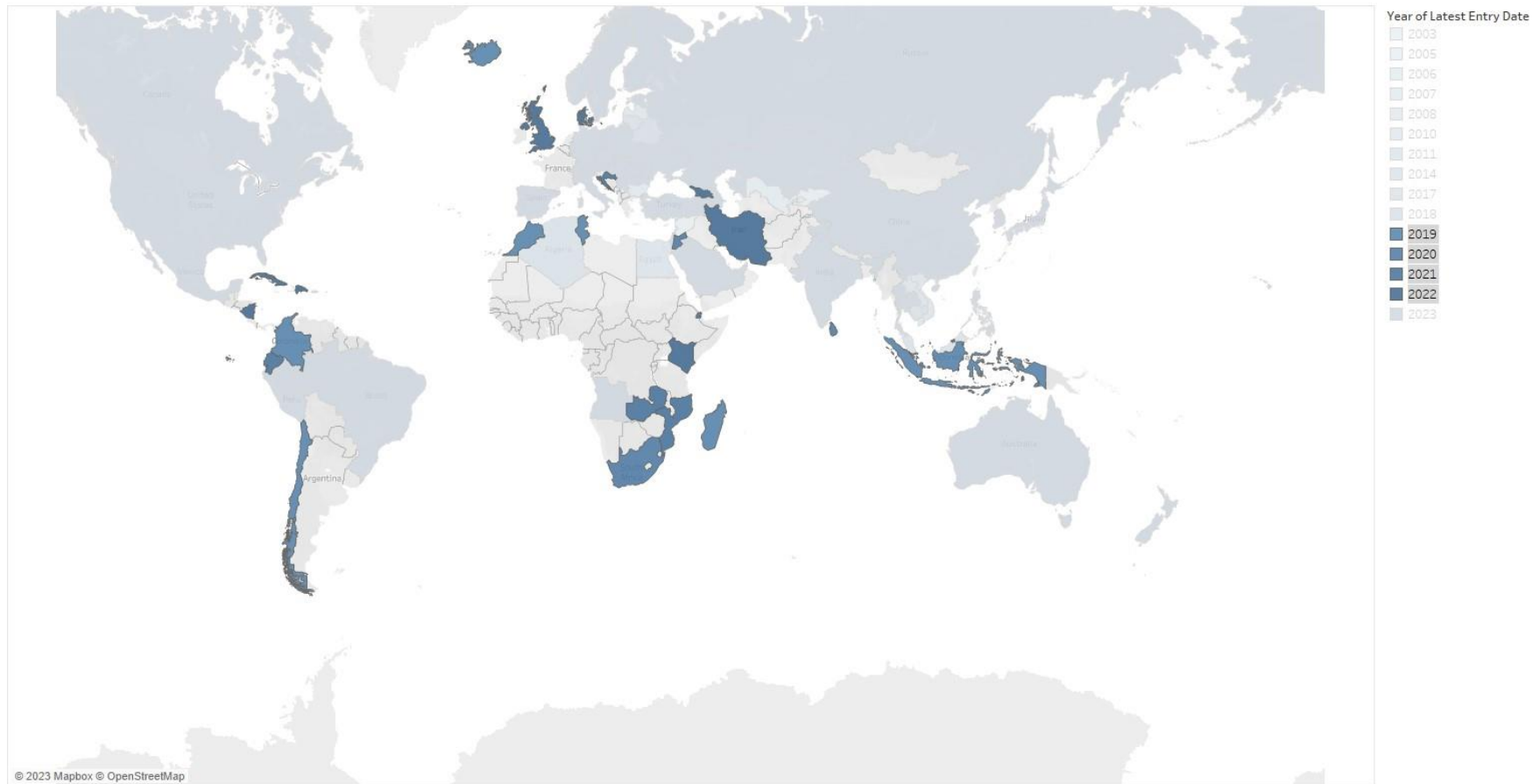
PCT Biblio. Data Description Claims Drawings ISR/WOSA/A17[2][a] National Phase Patent Family Notices Documents



National Phase – Gap analysis

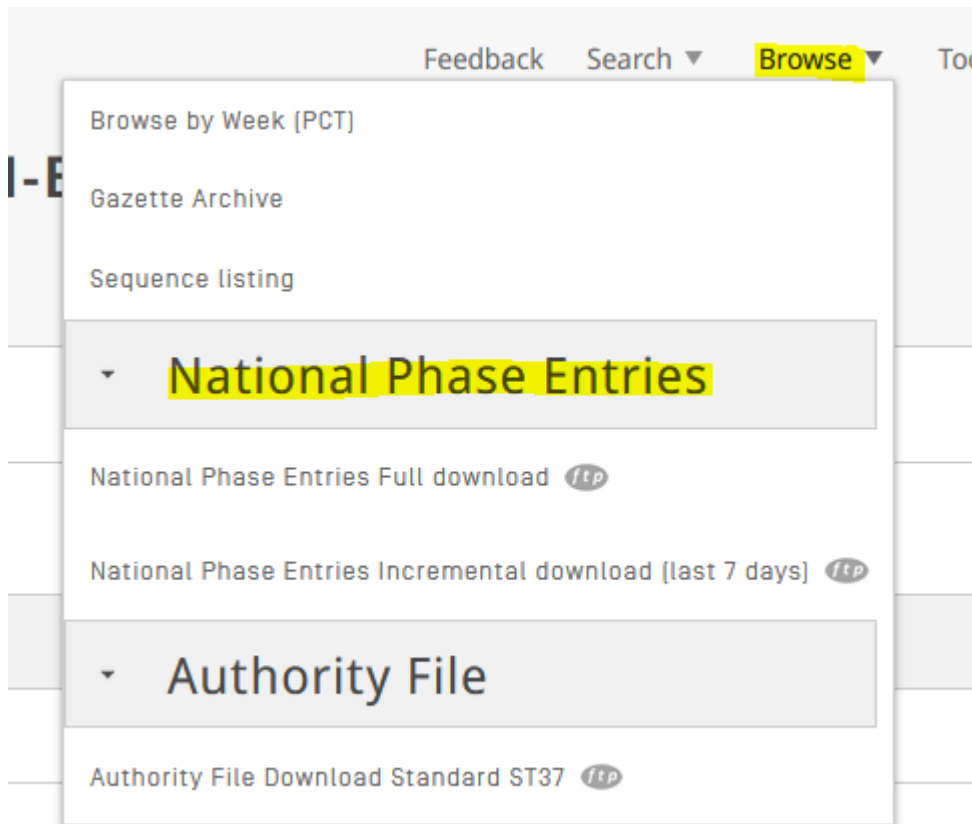
- NPE needs to be regular reported

Last NPE reported Map



Patentscope – National Phase Entries download

- NPE data available in “National Phase” tab and as bulk download



| | Office Code | IA Number | National Number | Event Type | Event Date |
|----|-------------|-------------------|-----------------|------------|------------|
| 1 | AE | PCT/US2022/025853 | P6002604/2023 | G | |
| 2 | AE | PCT/US2022/025853 | P6002604/2023 | P | |
| 3 | AE | PCT/US2022/025853 | P6002604/2023 | R | |
| 4 | AE | PCT/US2022/025853 | P6002604/2023 | W | |
| 5 | AE | PCT/US2022/025876 | P6002758/2023 | C | |
| 6 | AE | PCT/US2022/025876 | P6002758/2023 | D | |
| 7 | AE | PCT/US2022/025876 | P6002758/2023 | G | |
| 8 | AE | PCT/US2022/025876 | P6002758/2023 | P | |
| 9 | AE | PCT/US2022/025876 | P6002758/2023 | R | |
| 10 | AE | PCT/US2022/025876 | P6002758/2023 | W | |
| 11 | AE | PCT/US2022/025916 | P6002745/2023 | C | |
| 12 | AE | PCT/US2022/025916 | P6002745/2023 | D | |
| 13 | AE | PCT/US2022/025916 | P6002745/2023 | G | |
| 14 | AE | PCT/US2022/025916 | P6002745/2023 | P | |

Patentscope – National Phase Entries download

- Previously, the "National Phase Entry (status E) date" was utilized for generating incremental exports. We have now shifted to using now all the following National entry statuses:
 - E – National Phase Entry
 - P – National publication
 - G – Grant
 - R – Refusal
 - W – Withdrawal
 - C – Continuation of processing after a refusal or withdrawal
 - D – Divisional application



PCT data

PCT data quality check

- PCT collection search in Patentscope is more precise

Before

3. [WO/2017/080647](#) METHOD FOR THE SIMPLIFIED MODIFICATION OF APPLICATION PROGRAMS FOR CONTROLLING AN INDUSTRIAL PLANT

WO - 18.05.2017

Int.Class [B25J9/16](#) [?](#) Appl.No PCT/EP2016/001856 Applicant KUKA DEUTSCHLAND GMBH Inventor SEDLMAYR, Andreas

The invention relates to a method for the simplified modification of application programs [2, 3] of an industrial plant [1], comprising the following steps: [a] providing at least one application program [2, 3] in an industrial plant [1], wherein the at least one application program [2, 3] has a plurality of program points [P1 to P5]; [b] providing at least one graphical representation [101 to 103], wherein the at least one graphical representation [101 to 103] shows at least one system state of the industrial plant [1], wherein the system state corresponds to a program point [P1 to P5] and the graphical representation [101 to 103] is linked to at least one program point [P1 to P5] of the at least one application program [2, 3]; [c] executing the application program [2, 3] and, if the application program stops, performing the following steps: [d] comparing the current system state of the industrial plant [1] with the at least one graphical representation [101 to 103] and [e] following a link between the graphical representation and a program point in order to modify the application program.

After

37. [WO/2017/080647](#) METHOD FOR THE SIMPLIFIED MODIFICATION OF APPLICATION PROGRAMS FOR CONTROLLING AN INDUSTRIAL PLANT

WO - 18.05.2017

Int.Class [B25J9/16](#) [?](#) Appl.No PCT/EP2016/001856 Applicant KUKA DEUTSCHLAND GMBH Inventor SEDLMAYR, Andreas

The invention relates to a method for the simplified modification of application programs [2, 3] of an industrial plant [1], comprising the following steps: [a] providing at least one application program [2, 3] in an industrial plant [1], wherein the at least one application program [2, 3] has a plurality of program points [P1 to P5]; [b] providing at least one graphical representation [101 to 103], wherein the at least one graphical representation [101 to 103] shows at least one system state of the industrial plant [1], wherein the system state corresponds to a program point [P1 to P5] and the graphical representation [101 to 103] is linked to at least one program point [P1 to P5] of the at least one application program [2, 3]; [c] executing the application program [2, 3] and, if the application program stops, performing the following steps: [d] comparing the current system state of the industrial plant [1] with the at least one graphical representation [101 to 103] and [e] following a link between the graphical representation and a program point in order to modify the application program.

PCT data quality check

- Better display of formulas and HTML characters in general, in the abstract/titles

Before

Abstract

[EN] The interest of a user of an information terminal is extracted by a file operation and information suited to the interest is provided. When a system call for file access is issued from an application program, an access processor 104 selects from a file storage unit 102 a file designated by the system call, and then performs the file access. A phrase extractor 106 extracts a plurality of phrases from the file in accordance with a predetermined extraction rule. Those of the keywords stored in a keyword storage unit 110 that match the extracted phrases are selected. A score processor 120 assigns to the selected keyword a weight suited to the situation of access to the file by the access processor 104. **
</br>** An information selector 150 receives the weighted keyword and determines a prioritized keyword. Useful information corresponding to the priority keyword is selected from a useful information storage unit 130 and displayed on a display of an information terminal.

After

Abstract

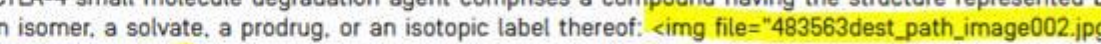
[EN] The interest of a user of an information terminal is extracted by a file operation and information suited to the interest is provided. When a system call for file access is issued from an application program, an access processor 104 selects from a file storage unit 102 a file designated by the system call, and then performs the file access. A phrase extractor 106 extracts a plurality of phrases from the file in accordance with a predetermined extraction rule. Those of the keywords stored in a keyword storage unit 110 that match the extracted phrases are selected. A score processor 120 assigns to the selected keyword a weight suited to the situation of access to the file by the access processor 104. An information selector 150 receives the weighted keyword and determines a prioritized keyword. Useful information corresponding to the priority keyword is selected from a useful information storage unit 130 and displayed on a display of an information terminal.

PCT data quality check

- Better display of formulas and HTML characters in general, in the abstract/titles

Before

Abstract

[EN] A CTLA-4 small molecule degradation agent and an application thereof. The CTLA-4 small molecule degradation agent comprises a compound having the structure represented by formula I or a pharmaceutically acceptable salt, an ester, a deuterated product, an isomer, a solvate, a prodrug, or an isotopic label thereof:  a new class of small molecule compounds having high degradation activity on CTLA-4. The compounds show a good degradation activity on CTLA-4 at the nanomolar [nM] level in in vitro studies.

[FR] L'invention concerne un agent de dégradation à petite molécule de CTLA-4 et son utilisation. L'agent de dégradation à petite molécule de CTLA-4 comprend un composé ayant la structure représentée par la formule I ou un sel pharmaceutiquement acceptable, un ester, un produit deutéré, un isomère, un solvate, un promédicament, ou une étiquette isotopique de celui-ci : La présente invention concerne une nouvelle classe de composés à petites molécules ayant une activité de dégradation élevée sur CTLA-4. Les composés présentent une bonne activité de dégradation sur CTLA-4 au niveau nanomolaire [nM] dans des études in vitro.

[ZH] 一种CTLA-4小分子降解剂及其应用, 所述CTLA-4小分子降解剂具备式I结构的化合物或其药学上可接受的盐、酯、氘代物、异构体、溶剂化物、前药或同位素标记物: 一类对CTLA-4具有高降解活性的新型小分子化合物, 所述化合物在体外研究中, 对CTLA-4在纳摩尔(nM)水平即显示出良好的降解活性。

After

Abstract

[EN] A CTLA-4 small molecule degradation agent and an application thereof. The CTLA-4 small molecule degradation agent comprises a compound having the structure represented by formula I or a pharmaceutically acceptable salt, an ester, a deuterated product, an isomer, a solvate, a prodrug, or an isotopic label thereof: a new class of small molecule compounds having high degradation activity on CTLA-4. The compounds show a good degradation activity on CTLA-4 at the nanomolar [nM] level in in vitro studies.

[FR] L'invention concerne un agent de dégradation à petite molécule de CTLA-4 et son utilisation. L'agent de dégradation à petite molécule de CTLA-4 comprend un composé ayant la structure représentée par la formule I ou un sel pharmaceutiquement acceptable, un ester, un produit deutéré, un isomère, un solvate, un promédicament, ou une étiquette isotopique de celui-ci : La présente invention concerne une nouvelle classe de composés à petites molécules ayant une activité de dégradation élevée sur CTLA-4. Les composés présentent une bonne activité de dégradation sur CTLA-4 au niveau nanomolaire [nM] dans des études in vitro.





[ZH] 一种CTLA-4小分子降解剂及其应用, 所述CTLA-4小分子降解剂具备式I结构的化合物或其药学上可接受的盐、酯、氘代物、异构体、溶剂化物、前药或同位素标记物: 一类对CTLA-4具有高降解活性的新型小分子化合物, 所述化合物在体外研究中, 对CTLA-4在纳摩尔(nM)水平即显示出良好的降解活性。

PCT Watched applications

- Track changes in your watched applications for logged users

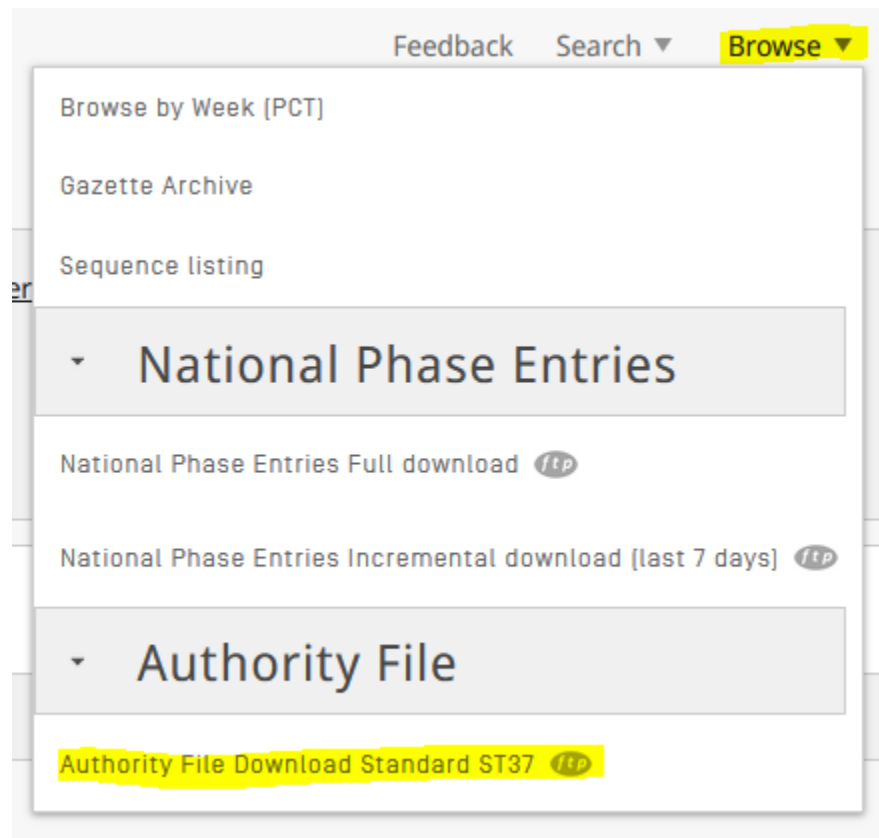
Watched Applications

These are the PCT applications you are keeping an eye on.

| Application ID | Last Republication | Last Biblio. Update | Last National Phase Update | Last Document Update | |
|----------------|--------------------|---------------------|----------------------------|----------------------|---|
| W02021002023 | | | 15.11.2022 | |   |
| W02022163570 | 04.08.2022 | 25.08.2023 | 02.11.2023 | 10.08.2023 |   |

PCT Authority file

■ PCT Authority file in ST.37



The screenshot shows a web interface with a 'Browse' dropdown menu. The menu is open, showing several options. The 'Authority File' section is expanded, and the 'Authority File Download Standard ST37' option is highlighted in yellow. Other options include 'Browse by Week [PCT]', 'Gazette Archive', 'Sequence listing', 'National Phase Entries', 'National Phase Entries Full download', and 'National Phase Entries Incremental download [last 7 days]'. The 'Browse' button is highlighted in yellow.

```
1 IPO,Publication Number,Kind Code,Publication Date,Exception code,Abstract
2 WO,2020117508,A9,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
3 WO,2022061271,A8,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
4 WO,2022098908,A9,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
5 WO,2022106902,A8,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
6 WO,2022120345,A9,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
7 WO,2022173850,A8,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
8 WO,2022177820,A9,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
9 WO,2022186728,A8,20231123,,ABST-en ABST-fr ABST-ru,DESC-ru,CLMS-ru
10 WO,2022186776,A8,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
11 WO,2022198214,A8,20231123,,ABST-en ABST-fr,DESC-en,CLMS-en
```




Non-patent literature

Non-patent literature

- IEEE recently added
 - 5 million of public and **private** documents
 - Comprehensive Search Capability
 - IPC Integration
 - Integrated Results

The screenshot shows the WIPO PATENTSCOPE website interface. At the top, there is a navigation bar with the WIPO logo, a menu icon, and links for 'Help', 'English', and 'IP Portal login'. Below the navigation bar, there is a breadcrumb trail: 'Home > PATENTSCOPE > Search'. The main content area features a title 'Non-Patent Literature - Data Coverage' and a sub-header 'Updated: November 28, 2023'. A table below the sub-header lists the data coverage for various publishers. The table has three columns: 'Publisher', 'Biblio Data with searchable full-text', and 'Nb records'. The rows are: IEEE (01.01.1892 - 01.03.2024, 4,981,454 records), MDPI (13.02.1998 - 23.10.2023, 584,390 records), nature (01.11.1975 - 01.12.2023, 145,892 records), and wikipedia (29.01.2001 - 19.02.2021, 62,083 records).

| Publisher | Biblio Data with searchable full-text | Nb records |
|-----------|---------------------------------------|------------|
| IEEE | 01.01.1892 - 01.03.2024 | 4,981,454 |
| MDPI | 13.02.1998 - 23.10.2023 | 584,390 |
| nature | 01.11.1975 - 01.12.2023 | 145,892 |
| wikipedia | 29.01.2001 - 19.02.2021 | 62,083 |

Thank you!

- PATENTSCOPE

<https://patentscope.wipo.int>

- PATENTSCOPE Team

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- PATENTSCOPE Webinars

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

- PATENTSCOPE Tips&Tricks

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