

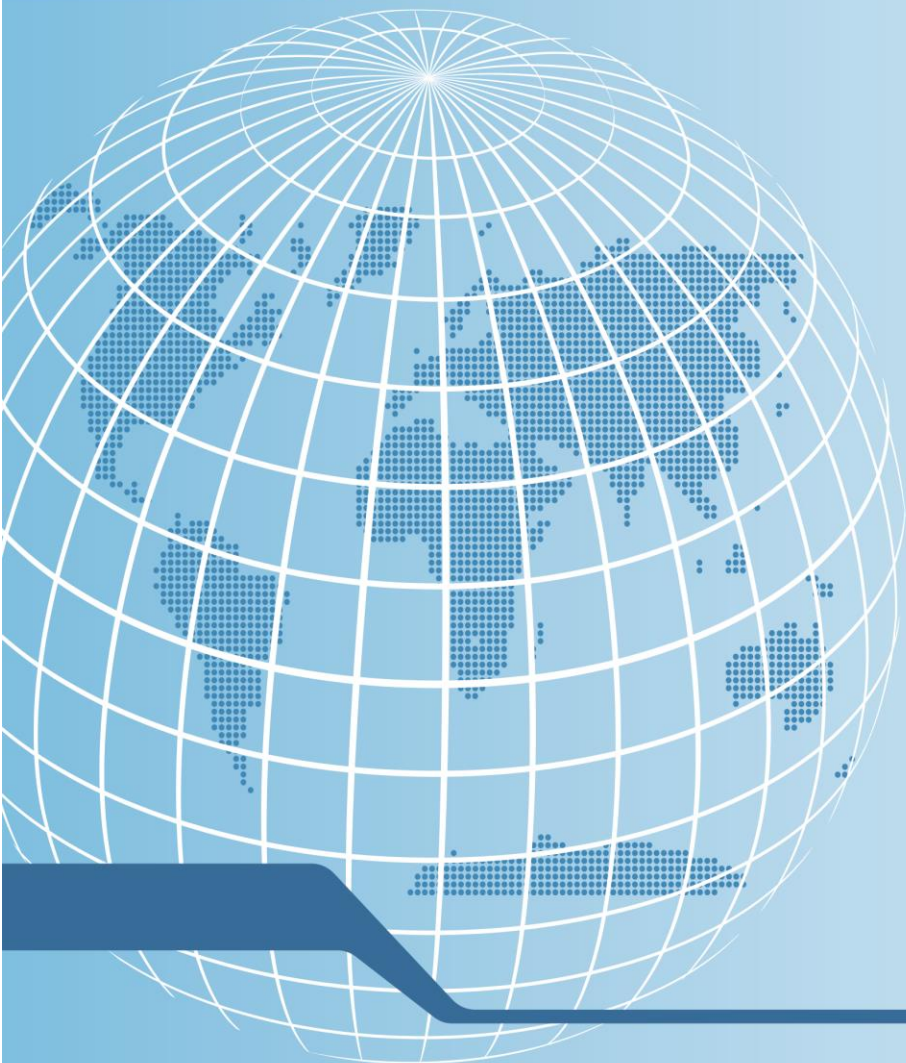
Taller Nacional

La búsqueda de novedad y el estado del arte para evaluar la estrategia de protección. Elementos a tomar en cuenta en la formulación de las solicitudes de invención.

Pablo Paz

Bogotá, Colombia

21 al 23 de Junio de 2016



Estrategias de protección

- ✓ Proteger en los países mas relevantes para la invención
- ✓ Buscar posibles licenciatarios o socios en la protección
- ✓ Buscar estrategias de protección de empresas competidoras lideres

Entonces ..¿ Dónde patentar ?

- ✓ **¿ Conocer de los Recursos financieros disponibles?**

- ✓ **Presentación**
 - ✓ Redacción de patentes (incluido realización de figuras)
 - ✓ Tramitación de la patente
 - ✓ Traducciones
 - ✓ Tasas oficiales

- ✓ **Tramitación:**
 - ✓ Contestación de observaciones
 - ✓ Anualidades (Desde 3^{er} año en algunos países, aún sin concesión)
 - ✓ Tasas de concesión

¿ Dónde patentar ?

✓ **Primero, la Solicitud nacional**

- ✓ Menores costos (menos intermediarios)
- ✓ Idioma local (No existen costos de traducción)
- ✓ Derecho de prioridad (la fecha nacional es considerada en otros países y fija un momento particular)

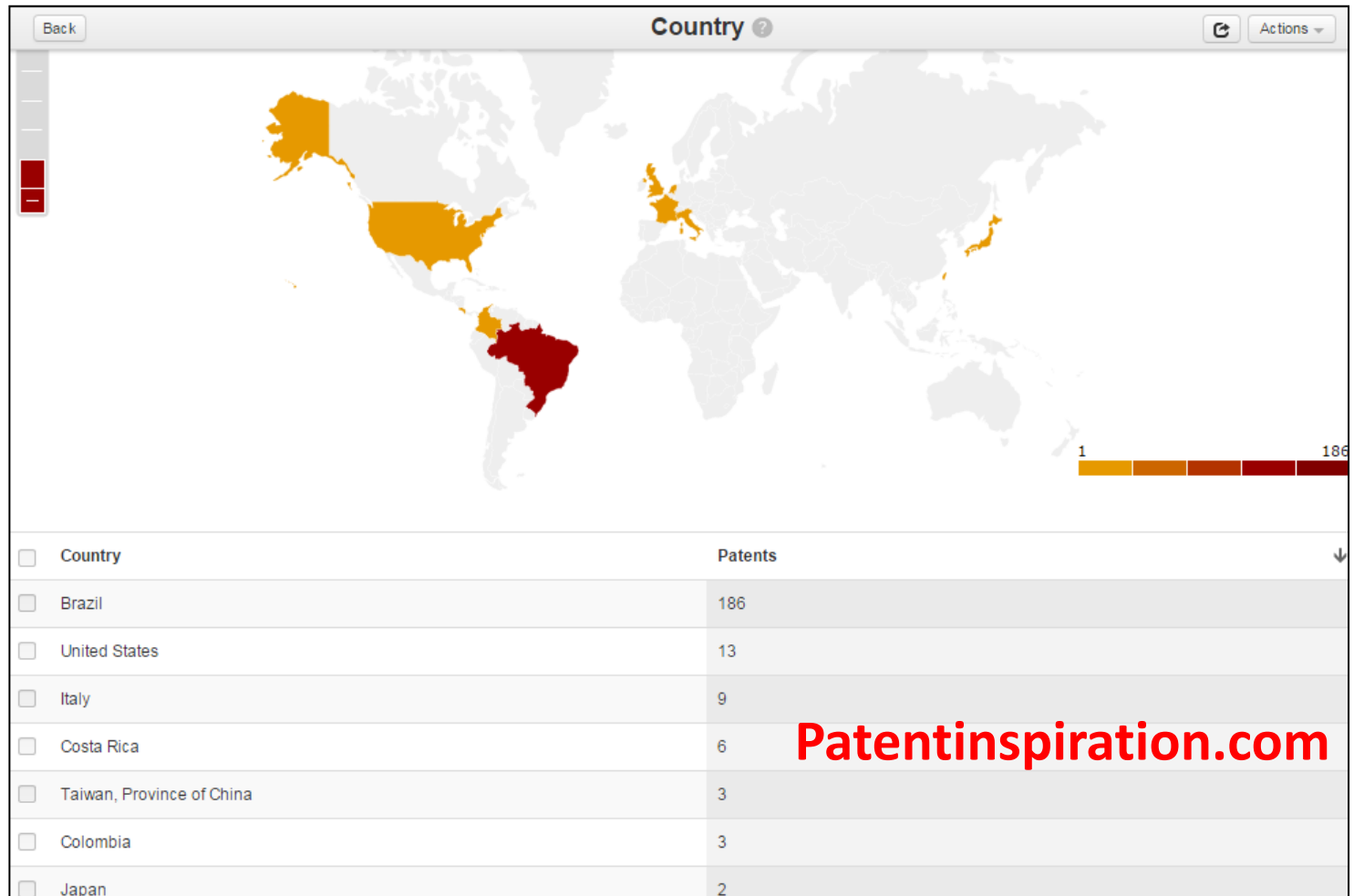
✓ **Luego en el exterior. Pero .. ¿ En que países ?**

- ✓ ¿Mercado?
- ✓ ¿Clientes/usuarios?
- ✓ ¿Competidores/ infractores/licenciatarios?
- ✓ ¿Es patentable en todos los países?
- ✓ Fortaleza legal de una patente en dichos países

¿ Que bases de datos usar ?

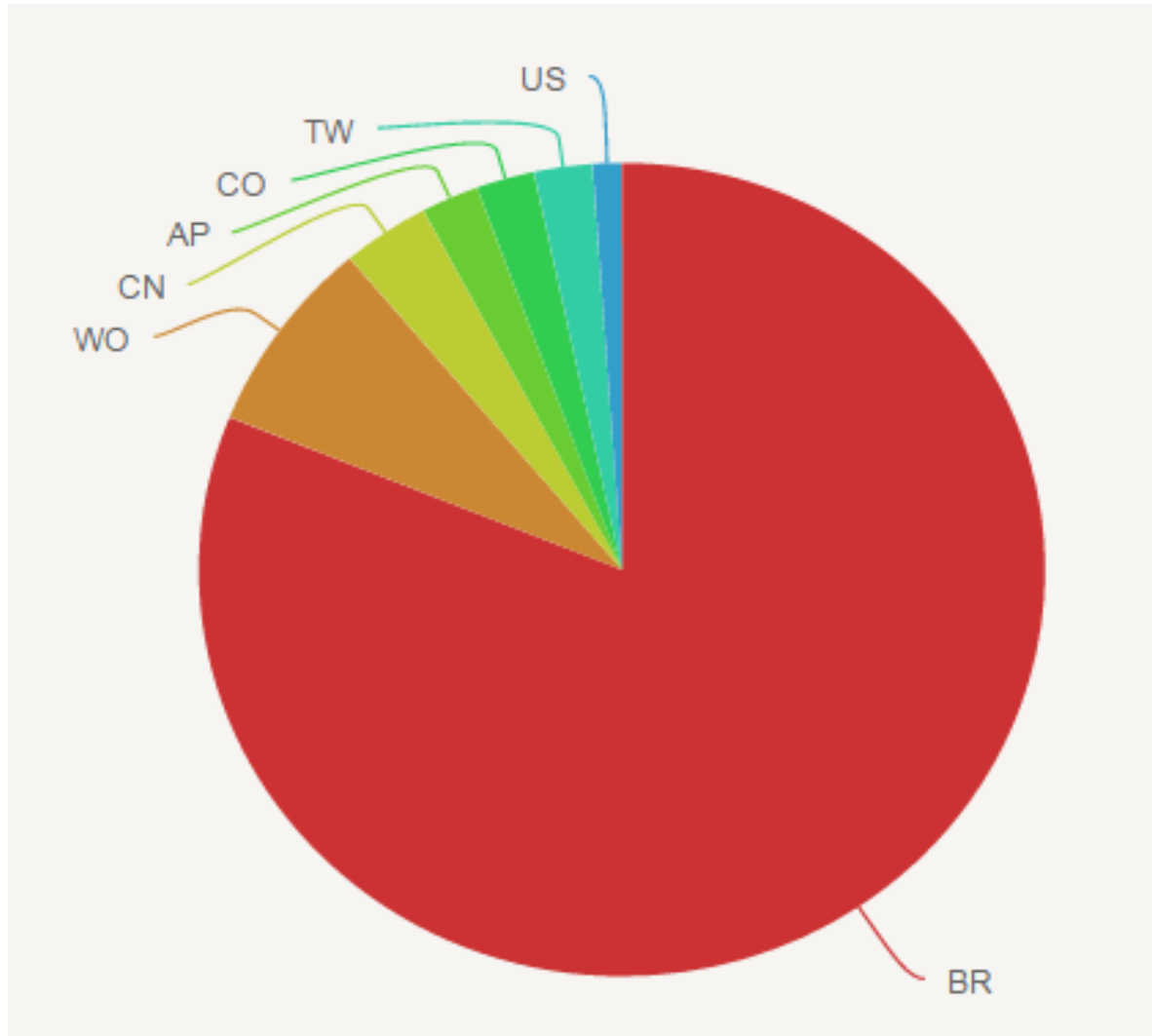
- ✓ Bases que nos ofrezcan información estadística
- ✓ De uso libre y gratuito
 - ✓ Patentscope
 - ✓ Lens.org
 - ✓ Patentinspiration

¿ Países donde se desarrolla ?

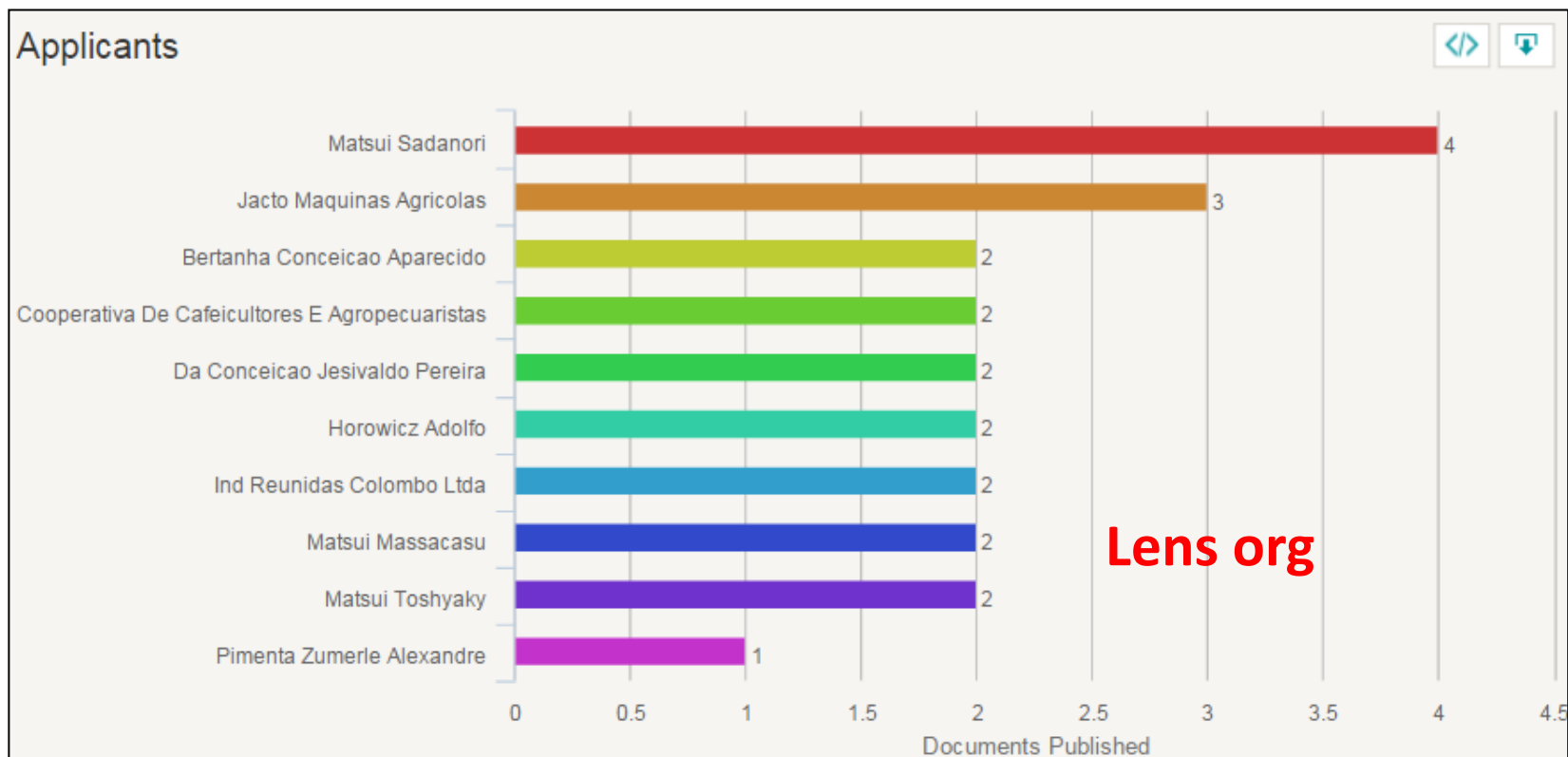


¿ Países que reciben más patentes?

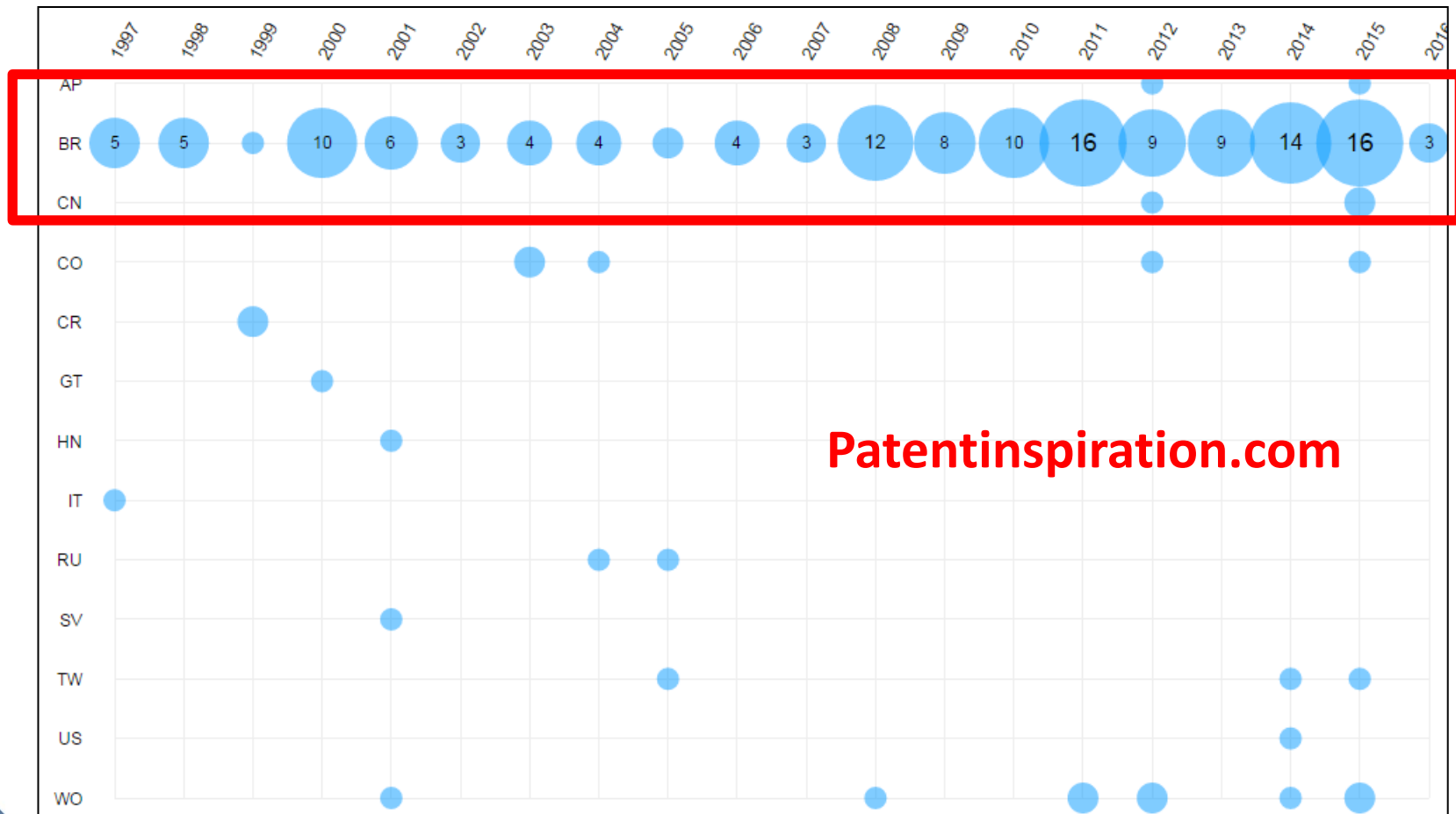
Lens.org



¿ Empresas que más patentan?



¿ Evolución de patentes por país?



¿ Competidores , Licenciatarios ?

Patentinspiration.com

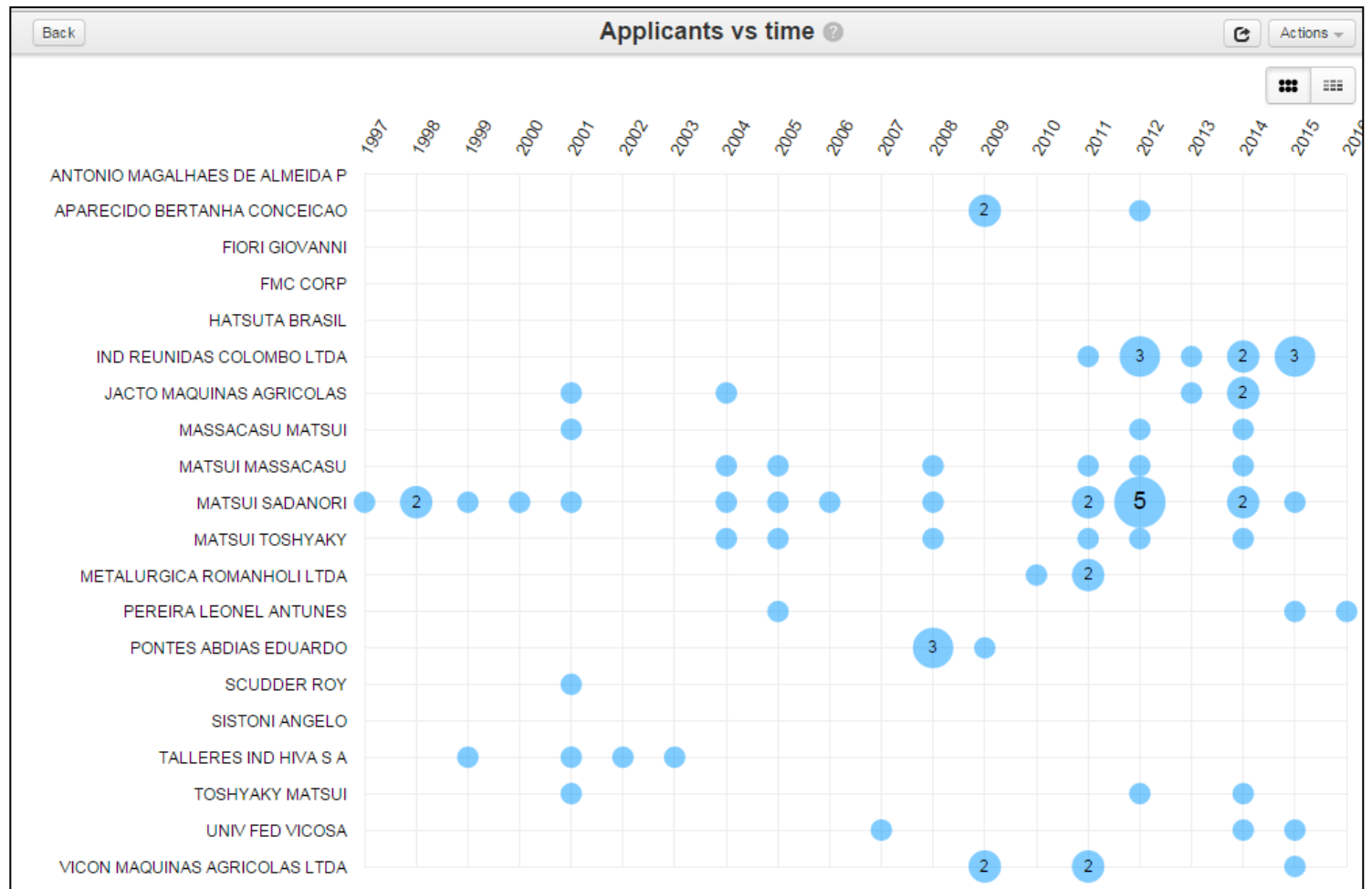
Applicant ? Actions

5 10 20 30 40 50

ANTONIO MAGALHAES DE ALMEIDA P • APARECIDO BERTANHA CONCEICAO
BERTANHA CONCEICAO APARECIDO • BRUDDEN EQUIP • CAMIC CAJURU MAQUINAS IND E CO
DA CONCEICAO JESIVALDO PEREIRA • FEDERACION NAC DE CAFETEROS DE COLOMBIA • FIORI GIOVANNI
FMC CORP • FORSTER NILBERTO JOAO • GUIMARAES FRANCISCO DOS REIS F • HATSUTA BRASIL
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JACTO MAQUINAS AGRICOLAS • KOJI OBARA MILTON • LENDARO ERNESTO
MASSACASU MATSUI • MATSUI MASSACASU • **MATSUI SADANORI**
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VICON MAQUINAS AGRICOLAS LTDA

Evolución en el tiempo por empresa

Patentinspiration.com



Estrategias de protección

- ✓ Recursos financieros para presentar, llegar hasta la concesión y pagar anualidades
- ✓ Aprovecharnos del derecho de prioridad
- ✓ ¿ Patente provisional? ¿ Ir directo a EEUU ?
- ✓ ¿ Patentes nacionales vía derecho de prioridad?
- ✓ ¿ Patentes regionales (patente unitaria EP)
- ✓ ¿ Patente PCT ?
- ✓ ¿ Patente regionales?

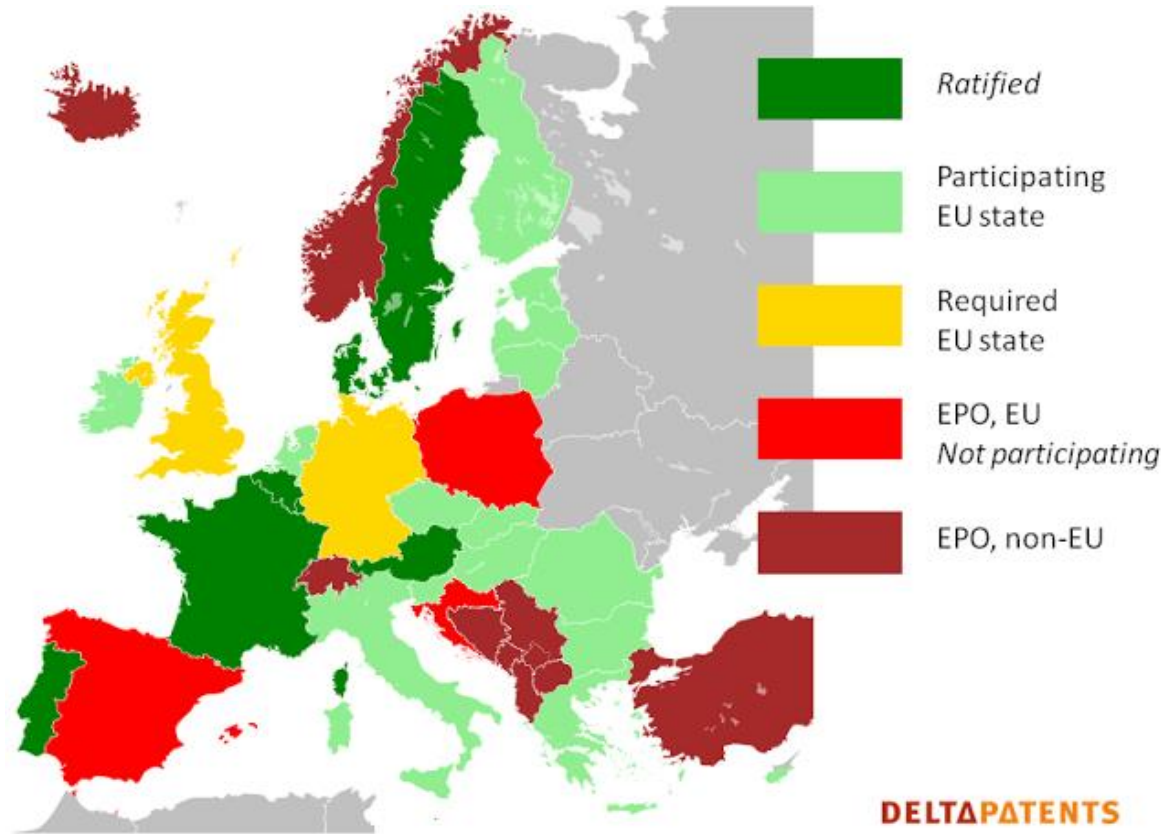
¿ Dónde proteger ?

Patentes vía nacional








Patentes Regionales

- Patente Unitaria Europea -



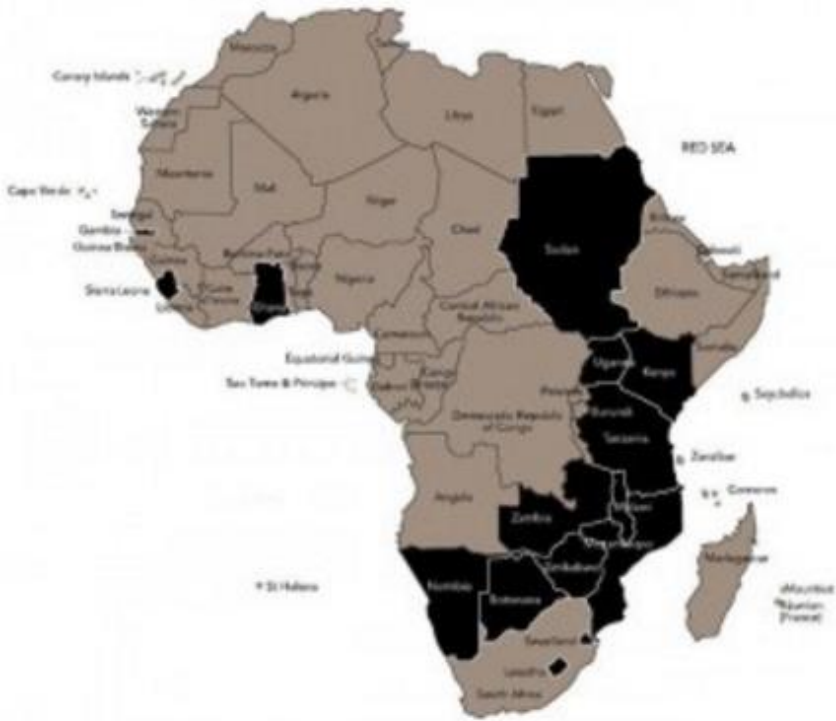
Patente Eurasiática EAPO



-  Eurasian Patent Office
-  Turkmenistan
-  Republic of Belarus
-  Republic of Tajikistan
-  Russian Federation
-  Republic of Kazakhstan
-  Azerbaijan Republic
-  Kyrgyz Republic
-  Republic of Armenia
-  Republic of Moldova

Patentes Africanas Regionales

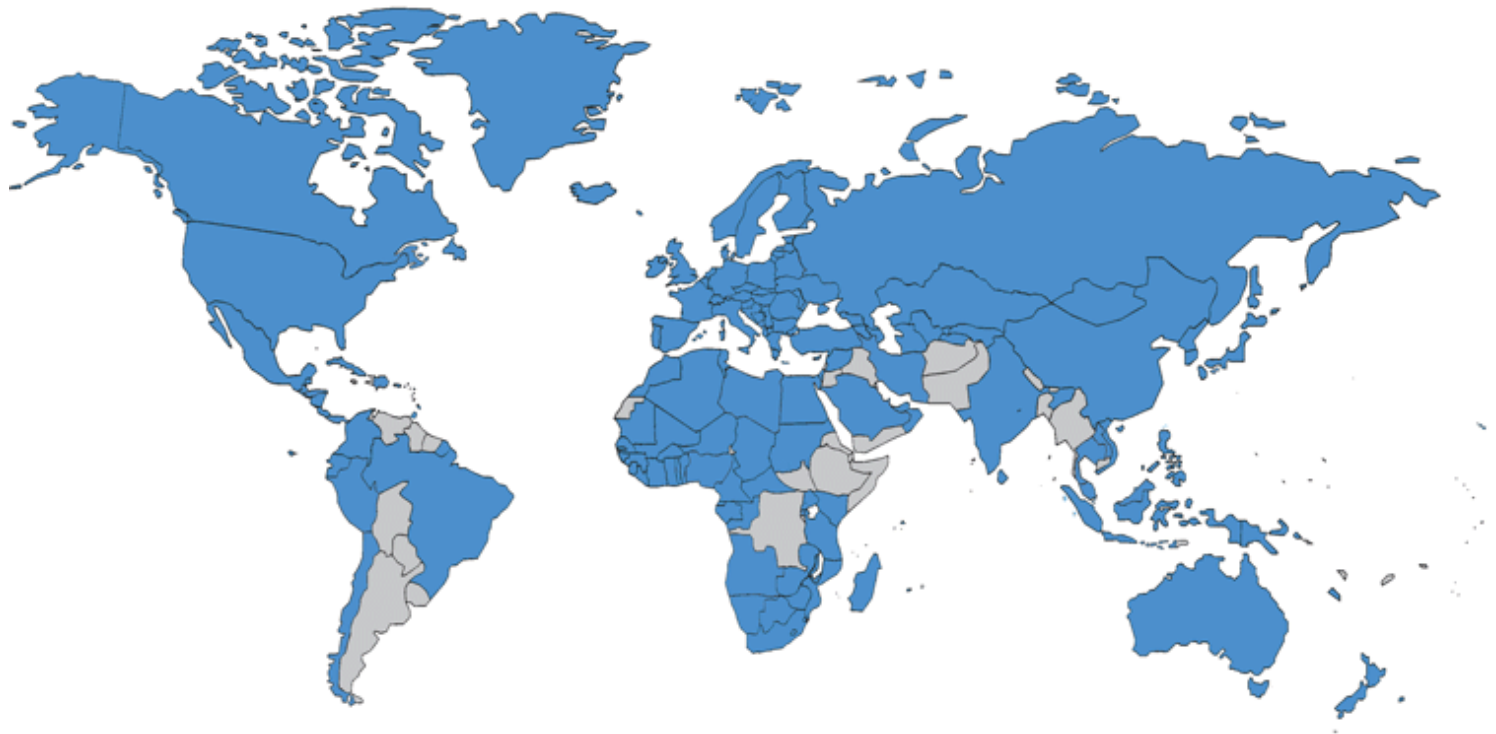
ARIPO



OAPI



Tratado de Cooperación de Patentes



PCT - 148 Países

Caso mecánico

Una empresa ha desarrollado en conjunto con la Universidad de su ciudad, una máquina para cosecha de caña de azúcar, y desea su analizar su patentamiento:

- ¿ En que países le aconsejaría patentar la invención?
- ¿ Que empresas debería contactar buscando socios o posible licenciarios ?
- ¿ Que lideres observaría en cuanto a estrategias de patentamiento?

Encontrar la CIP

Símbolo en uso
A01D 45/10

Idioma
 Español
 Inglés
 Español/Inglés

Modo vista
 trayectoria
 completo
 jerárquica

Mostrar CPC/FI
 Entradas Suprimidas
 Esquema general
 Encabezamientos-guías
 Notas

Búsqueda

Ayuda

Número de entradas mostradas
500

Última modificación
26.02.2016
IPCPUB v5.3

ACTIVIDADES RURALES

A01 AGRICULTURA; SILVICULTURA; CRIA; CAZA; CAPTURA; PESCA

A01D RECOLECCION; SIEGA

Nota(s) [7]
La presente subclase cube el desfibrado o pulverización de rastrojo, p. ej. con el objeto de producir pajote, pero no cube otros tipos de destrucción mecánica de vegetales, los cuales están cubiertos por el grupo **A01M 21/02**. [7]

A01D 45/00 Recolección de especies verticales (A01D 44/00 tiene prioridad; máquinas trilladoras adaptadas para cosechas especiales, dispositivos de trillado para cosechadoras-trilladoras adaptados para cosechas especiales A01F 11/00) [2006.01]

A01D 45/10 · para la caña de azúcar [2006.01]

Búsqueda de Términos ...

cip.oepm.es/ipcpub/search/fulltext/#v...

IPC Terms search
Version 2016.01 - Español


Word(s) cosechadora caña
Warning: AND, OR, NOT, +, -, double quotes and ~ operators are ignored when using Path option.
 Stemming

Limit to

Exclude

Scheme Path
A01D 45/10

Encontrar la CPC



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Espacenet

Patent search

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Advanced search
Classification search

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Cooperative Patent Classification

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CPC [...] A »

Symbol	Classification and description	
<input type="checkbox"/> A	HUMAN NECESSITIES	
<input type="checkbox"/> B	PERFORMING OPERATIONS; TRANSPORTING	
<input type="checkbox"/> C	CHEMISTRY; METALLURGY	
<input type="checkbox"/> D	TEXTILES; PAPER	
<input type="checkbox"/> E	FIXED CONSTRUCTIONS	
<input type="checkbox"/> F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS	
<input type="checkbox"/> G	PHYSICS	

CPC

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Classification search

Quick help

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« [A01D44/00](#) [A01D46/00](#) »

Symbol	Classification and description
<input type="checkbox"/> A	HUMAN NECESSITIES S
AGRICULTURE	
<input type="checkbox"/> A01	AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING
<input type="checkbox"/> A01D	HARVESTING; MOWING S D I {(parts, details or accessories of agricultural machines or implements in general A01B 51/00 - A01B 75/00)}
Harvesters or mowers for grass, cereals, or other crops (component parts thereof A01D 57/00 - A01D 69/00; accessories therefor A01D 75/00)	
<input type="checkbox"/> A01D 45/00	Harvesting of standing crops (A01D 44/00 takes precedence; threshing machines adapted for special crops, threshing devices for combines adapted for special crops A01F 11/00) D
<input type="checkbox"/> A01D 45/10	• of sugar cane {(for digging sugar cane A01D 31/00)} D

Patentinspiration: planteo de búsqueda

This screenshot shows the 'Add filter' dialog box in the Patentinspiration search tool. The dialog has a blue 'Add filter' button and a grey 'Cancel' button. A text input field contains the code 'A01D45/10'. Below the input field, the text 'IPC Lookup' is displayed. At the bottom of the dialog, there are several tabs: 'Keyword', 'Applicant', 'Inventor', 'CPC Code', 'IPC Code' (which is currently selected), 'Number', and 'All'. On the left side of the dialog, there is a vertical sidebar with icons for home, search, and a pie chart.

This screenshot shows the search results and filtering options in the Patentinspiration search tool. At the top, there are three buttons: 'AND', 'OR', and 'NOT', followed by the text 'Patents with A01D45/10 children included in IPC Codes'. Below this is a search input field with the placeholder text 'Enter a keyword, applicant, inventor, code or number'. The main section is titled 'Narrow results by filtering...' and contains several checkboxes and dropdown menus. The checkboxes are: 'show only one per family', 'patents without empty title or abstract', and 'only applications that are granted'. The dropdown menu is set to 'Order by text content'. To the right, there are checkboxes for 'only with images' and 'document date: Last 20 years, 10 years, 5 years'. The 'document date' is currently set to 'Publication date' and the date range is '01-01-2011 - 31-12-2016'. At the bottom, there are 'Search' and 'Clear' buttons.

Patentinspiration: resultados

Edit filter Analyze patents		871 patents		
<input type="checkbox"/>	Number	Title	Published	Applicant
<input type="checkbox"/>	CN105555126A	Rotor of an extractor-fan assembly for agricultural machines	3 May 2016	
<input type="checkbox"/>	CN205196350U		3 May 2016	
<input type="checkbox"/>	CN205179778U		26 Apr 2016	
<input type="checkbox"/>	CN103563555B	Primary conveying device for sugarcane harvester	19 Apr 2016	GUANGDONG KO...
<input type="checkbox"/>	CN105501443A		19 Apr 2016	
<input type="checkbox"/>	US9317979B2	Crop density map using row sensors	18 Apr 2016	DEERE & CO
<input type="checkbox"/>	BR102014021086A2	Mancal do extrator primário de colhedoras de cana-de-açúcar	18 Apr 2016	UNIMIL IND E CO...
<input type="checkbox"/>	BR222015007945Y1	Colhedora de cana-de-açúcar dotada de sistema de giro da esteira secundária	18 Apr 2016	MARCHESAN IMP...
<input type="checkbox"/>	AU2011247841B2	Basecutter for a cane harvester	13 Apr 2016	DEERE & CO
<input type="checkbox"/>	CN104335764B	Chopping type micro cane harvesting machine	12 Apr 2016	GUANGXI GAONO...
<input type="checkbox"/>	CN105474879A		12 Apr 2016	
<input type="checkbox"/>	CN105491875A	Method and apparatus for control of base cutter height for multiple row sugar cane harvesters	12 Apr 2016	
<input type="checkbox"/>	BR102014023129A2	Cortador de cana	11 Apr 2016	MESQUITA EDNA...
<input type="checkbox"/>	BR102015009517A2	Colheitadeira de cana-de-açúcar, método para colher uma safra em um campo, e, meio de armazenamento...	11 Apr 2016	DEERE & CO
<input type="checkbox"/>	BR102015011143A2	Defletor para uma colheitadeira de cana-de-açúcar, e, arranjo de limpeza de cana-de-açúcar	11 Apr 2016	DEERE & CO
<input type="checkbox"/>	BR222015007942Y1	Colhedora de cana-de-açúcar dotada de volante de mesa	11 Apr 2016	MARCHESAN IMP...
<input type="checkbox"/>	AU2011247839B2	Basecutter assembly for a cane harvester	6 Apr 2016	DEERE & CO

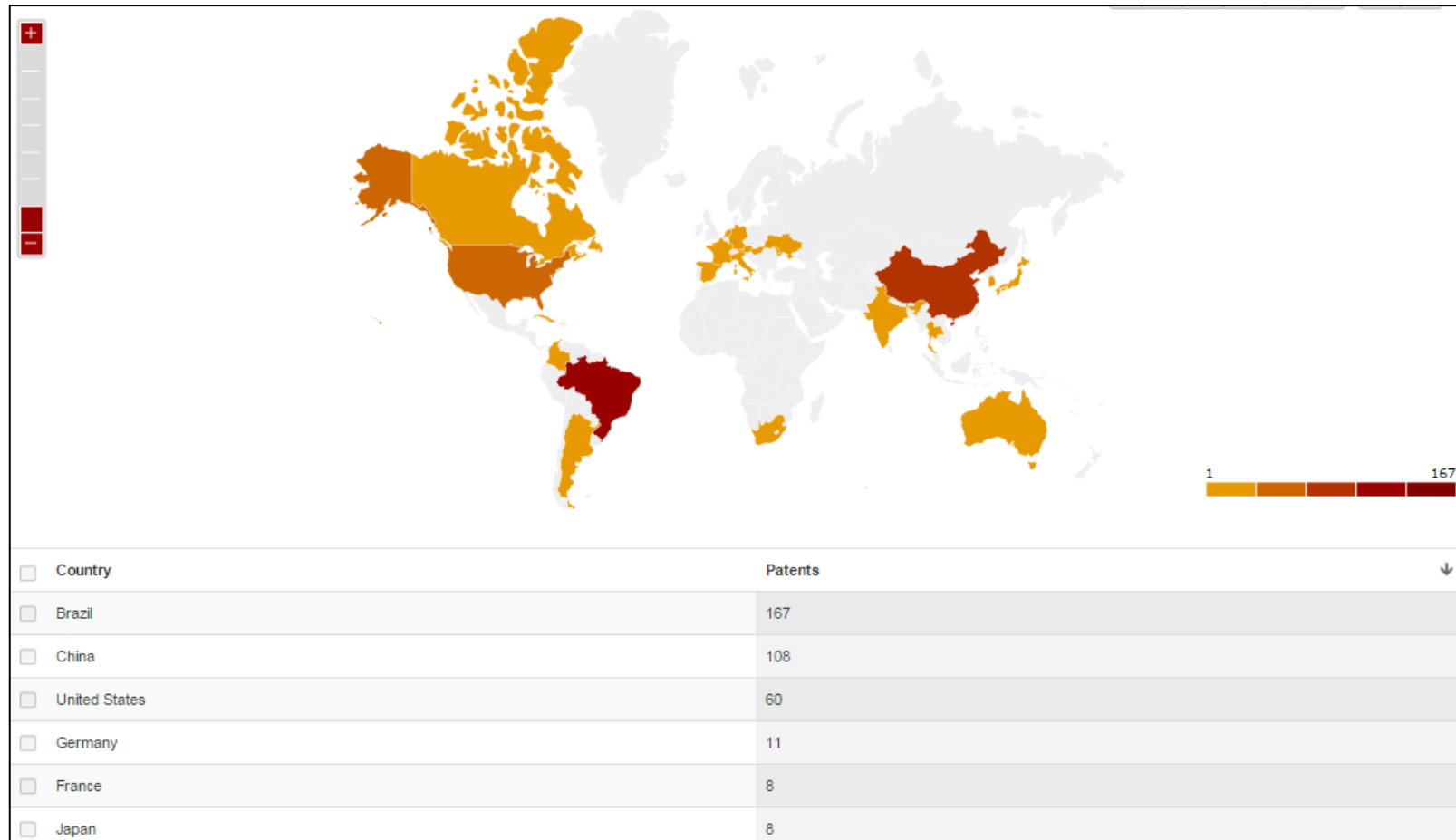
Patentinspiration: principales solicitantes

Applicant
ADAM DE VILLIERS JACQUES • BELLOTA HERRAMIENTAS SA • BLOUNT IND LTDA • BUNMEI NOKI KK • BUSSOLA CLAUDIO LEANDRO • BUSSOLA GAGLIOTTI MARLI REGINA • CN ACAD AGRICULTURAL MECH SCI
CNH AMERICA LLC • CNH LATIN AMERICA LTDA • DACHENG LUO • DEERE & CO • FANG SUNDIAN • FRANCISCO ZANGRANDI CECILIA
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LIUZHOU XIANGYUE AGRICULTURAL MACHINERY CO LTD • MAI YONGQIANG • MARCHESAN IMPLEMENT & MAQUIN
MARCHESAN IMPLEMENTOS E MÁQUINAS AGRICOLAS TATÚ S A • QINZHOU JUNHUI MACHINERY CO LTD
RIBERMAN PLASTICOS IND LTDA • SCHALKER EISENHUETTE MASCHF • SHANDONG AOXING MINING EQUIPMENT CO LTD
TIANJIN GUANTONG AUTOMOBILE PART MANUFACTURE CO LTD • TRIMBLE NAVIGATION LTD • UNIV GUANGXI • UNIV JIANGSU SCIENCE & TECH
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ZHONGSHOUXIN GUIZHOU MODERN AGRICULTURAL EQUIPMENT CO LTD • ZHU JIHUA • ZOOMLION HEAVY MACHINERY CO LTD

Patentinspiration: evolución por solicitante



Países con mayor I&D



Lens.org: planteo de búsqueda

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Dates:

Documents That Were: Published


Filed

Jurisdictions

Only search patent documents that are the following jurisdictions. Select None

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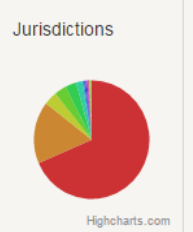
Home > **949** (783 families) results for "classification_ipc:A01D45V10"

Results Analysis

Inventors



Jurisdictions



Refine Search


[Clear All](#)

Dates 1 ^







Documents Published Filed





Custom Range 2011-01-01 2016-04-01

[Clear](#) [Refine](#)

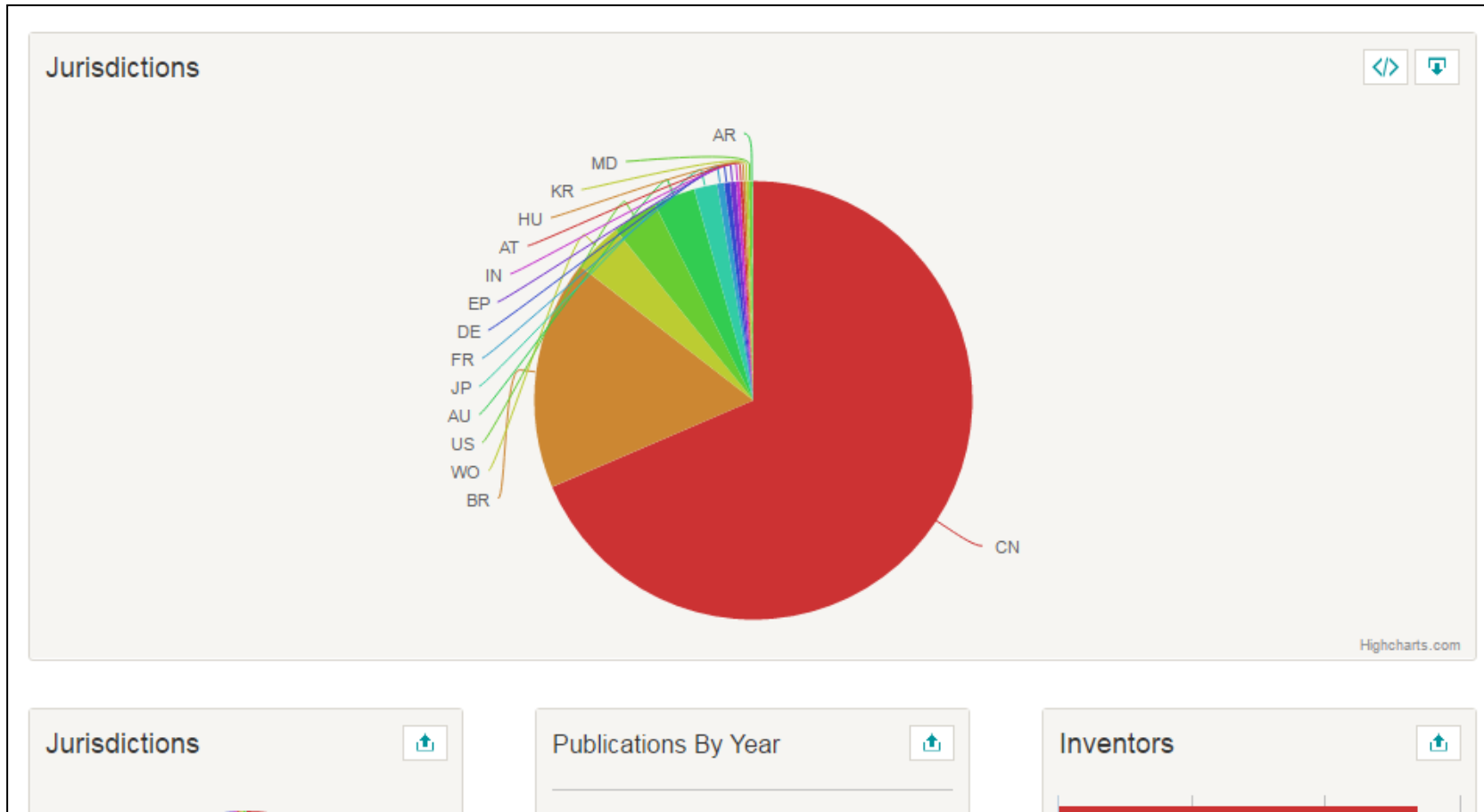
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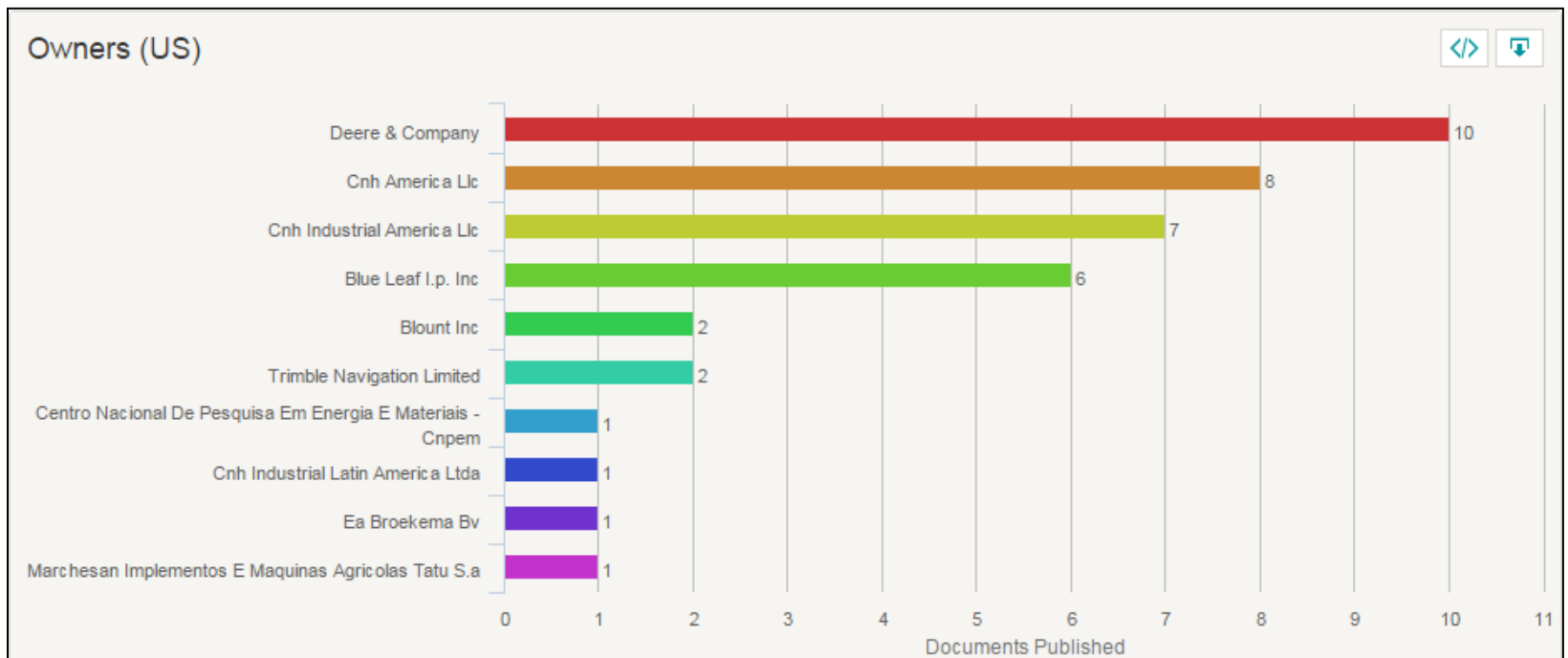
     

<input checked="" type="checkbox"/>	Document	Sort by	Rank
<input type="checkbox"/>	Sistema De Separacion De Hojas De Cana De Azucar O Productos Similares Published: Feb 23, 2011 Family: 1 Cited: 0 Info: Applicant: Echezarreta Javier Andres	 AR 074940 A3 Doc type: Patent Application ID: lens.org/118-372-439-389-793	
<input type="checkbox"/>	Sammelvorrichtung Für Mähwerk Published: Nov 15, 2012 Family: 3 Cited: 0 Info: Applicant: Steininger Werner	 AT 511385 A1 Doc type: Patent Application ID: lens.org/082-625-445-762-070	
<input type="checkbox"/>	Sammelvorrichtung Für Mähwerk Published: Feb 15, 2013 Family: 3 Cited: 0 Info: Applicant: Steininger Werner	 AT 511385 B1 Doc type: Granted Patent ID: lens.org/064-350-459-582-158	
<input type="checkbox"/>	Colheitadeira Para Colher Talos De Plantas Tipo Talo, E, Cortador De Base Para	 BR 102012006658 A2	

Lens.org: países de patentamiento



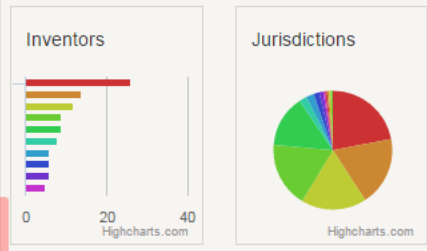
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Lens : CPC

Home > 191 (69 families) results for "classification_cpc:A01D45V10"

Results Analysis



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Dates



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classification_cpc:A01D45V10

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New Search



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Create Collection



Document

Sort by Rank



Colheitadeira Para Colher Talos De Plantas Tipo Talo, E, Cortador De Base Para Uma Colheitadeira
Published: Jun 4, 2013 Family: 5 Cited: 0 Info:
Applicant: Deere & Co

BR 102012006658 A2
Doc type: Patent Application
ID: lens.org/065-057-163-588-714




Dispositivo Transportador-separador Dinamométrico Acoplável A Uma Colhedora De Cana-de-açúcar E Processo De Transferência De Rebolos E Palha Da Colhedora Para Um Veículo De Transbordo
Published: Mar 17, 2015 Family: 2 Cited: 0 Info:
Applicant: Cnpem Ct Nac De Pesquisa Em En E Mat..

BR 102013005854 A2
Doc type: Patent Application
ID: lens.org/035-544-615-125-842

Deere & Co: Familia de patentes

Colheitadeira Para Colher Talos De Plantas Tipo Talo, E, Cortador De Base Para Uma Colheitadeira

Published: Jun 4, 2013 Family: 5

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Marchesan Impl.: Familia de patentes

Dispositivo De Linhas Contendo Pirulito De Secção Transversal Variável E Máquina Colhedora De Cana-de-açúcar

Published: Nov 11, 2014 Family: 6

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 BR 102013007097 A2

Doc Type: Patent Application

ID: lens.org/105-454-645-986-609

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¿ Dudas, consultas ?

Muchas gracias !

Pablo Paz

E-mail: pablo_paz@hotmail.com