

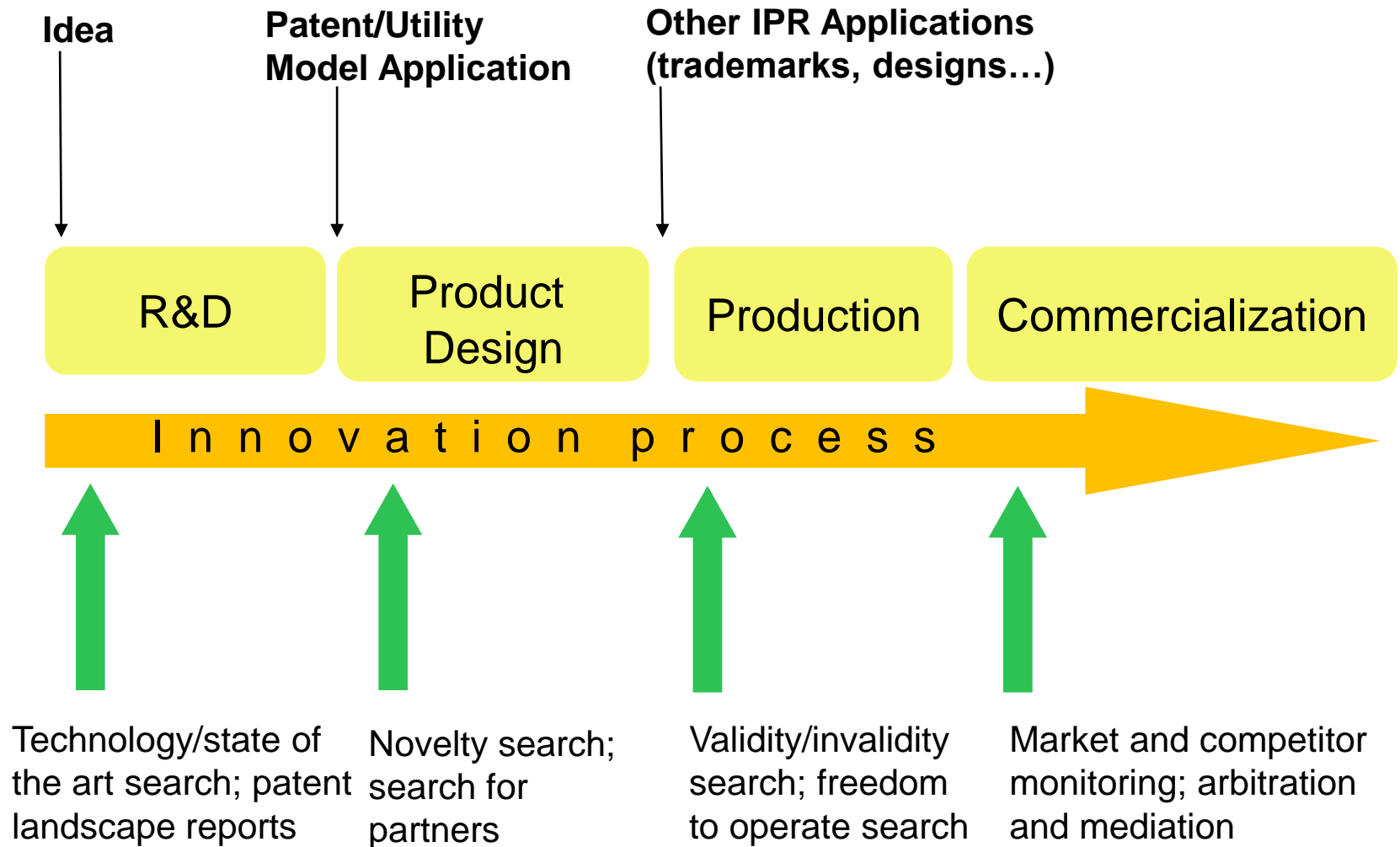
Commercializing Research for Universities, Public Research Organizations and SMEs

- *How access to WIPO's Global Databases and Tools can assist in this process*

Nathalie Montillot

Program Officer, Innovation and Technology Support Section

Innovation: from Idea to Market



Patent system

■ 2 fundamental elements: **protection** and **disclosure**

- Exclusive right limited by claims vs. disclosure of full document in a “**manner sufficiently clear and comprehensive for the invention to be carried out by a person skilled in the art**”
(Article 29.1 TRIPS Agreement)
- Territorial protection vs. global disclosure
- Time-limited protection vs. permanent disclosure

■ Up to 80% of current technical knowledge is only found in patent documents*

■ Up to 30% of R&D efforts wasted due to insufficient use of patent information*

*Source: “Why researchers should care about patents”, European Patent Office, available at http://ec.europa.eu/invest-in-research/pdf/download_en/patents_for_researchers.pdf

Strategic use of patent information

R&D

Product
Design

Innovation process



- Is my invention new? Is it patentable?
 - Novelty search, validity search
- What technologies already exist? Is there already a solution to my problem so I don't waste resources reinventing the wheel? What are my competitors doing?
 - State-of-the-art/technology trend search, patent landscape reports (snap-shot of situation in a specific technology area)
- Any opportunities for collaboration/joint ventures/licensing?
 - Name search (applicants, inventors)

Strategic use of patent information

Production

Commercialization

Innovation process



- Do I have freedom to operate? Do I risk infringing on someone else's patent?
 - Freedom-to-operate search, infringement/legal status search
- What are my competitors doing?
 - Monitor patenting activity of competitors
- Is anyone infringing my patent?
- Other IPRs? TM/industrial design protection to add value to your product and extend the commercial benefits beyond patent protection as part of your business strategy

WIPO databases: use IP intelligence for your business strategy

■ PATENTSCOPE

- 74 million patent documents (3,6 million PCT)
- New: Greek collection since April (biblio.data)

■ Global Brand Database

- 38 million brands

■ Global Design Database

- 10.4 million designs

■ WIPO Lex

- Check IP laws and regulations in your target markets

Is my invention new?

What technologies already exist, e.g. in the area of **solar power**?

WIPO PATENTSCOPE
Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

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Field Combination

	Front Page	=	
AND	WIPO Publication Number	=	
AND	Application Number	=	
AND	Publication Date	=	
AND	English Title	=	
AND	English Abstract	=	
AND	Applicant Name	=	
AND	International Class	=	F03G6
AND	Inventor Name	=	
AND	Office Code	=	
AND	English Description	=	
AND	English Claims	=	
AND	Inventor Name	Is Empty:	<input checked="" type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No
AND	Licensing availability	=	<input type="checkbox"/>

Language: English Stem: Office: + All

(+) Add another search field | (-) Reset search fields | Tooltip Help

7,268 results Search Reset

- + A HUMAN NECESSITIES
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- + C CHEMISTRY; METALLURGY
- + D TEXTILES; PAPER
- + E FIXED CONSTRUCTIONS
- + F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
- + G PHYSICS
- + H ELECTRICITY

-	F03G 6/00	Devices for producing mechanical power from solar energy
-	F03G 6/02	• using a single state working fluid [2006.01]
	F03G 6/04	•• gaseous [2006.01]
	F03G 6/06	• with solar energy concentrating means [2006.01]

Technical information:

How does this technology work?

What technical problem does it solve?


What is protected?

Machine translation

8. (WO2009129167) A SOLAR STEAM GENERATOR

PCT Biblio. Data Description Claims National Phase Notices Documents

Latest bibliographic data on file with the International Bureau PermaLink

Pub. No.: WO/2009/129167 International Application No.: PCT/US2009/040328
Publication Date: 22.10.2009 International Filing Date: 13.04.2009
IPC: F03G 6/00 (2006.01), F22B 1/00 (2006.01), F22B 21/02 (2006.01), F22B 37/10 (2006.01) 
Applicants: PALKES, Mark [US/US]; US (UsOnly)
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TEIGEN, Bard; US
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ZALE, Lawrence, P.; Alstom Power Inc. 2000 Day Hill Road Windsor, CT 06095, US
Priority Data: 12/421,047 09.04.2009 US
61/045,361 16.04.2008 US
Title: (EN) A SOLAR STEAM GENERATOR
(FR) GÉNÉRATEUR DE VAPEUR SOLAIRE
Abstract: (EN) A solar power generation system includes a solar receiver disposed on a tower that receives radiant heat reflected from a field of solar collectors. The solar receiver includes an evaporator having a plurality of vertically oriented tubes to form a panel for receiving a fluid, such as water and/or steam, wherein the tubes have a rifled internal surface. The fluid within the tubes has a mass flow greater than 0.2×10^6 lb/hr/ft³ at a pressure in the range of 100-2850 psia, wherein radiant heat fluxes on the outside of the tubes exceed 185.00 btu/hr/ft².
(FR) L'invention concerne un système de génération d'énergie solaire comprenant un récepteur solaire disposé sur une tour qui reçoit de la chaleur radiante réfléchie par un champ de collecteurs solaires. Le récepteur solaire comprend un évaporateur pourvu d'une pluralité de tubes orientés verticalement destinés à former un panneau de réception de fluide, tel que de l'eau et/ou de la vapeur.

PCT Biblio. Data Description Claims National Phase Notices Documents

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

CLAIMS

What is claimed is:

1. A solar receiver for a solar power generation system; said solar receiver comprising:

a panel of tubes receiving a fluid therethrough whereby solar energy is directed onto said tube for heating the fluid, each of said tubes having a rifled internal surface.

2. The solar receiver of claim 1, wherein the tubes are oriented substantially vertical.

3. The solar receiver of claim 2, wherein the fluid has a mass flow greater than 0.2×10^6 lb/hr/ft³.

4. The solar receiver of claim 3, wherein the pressure of the fluid within the tubes are approximately in the range of 100-2850 psia.

Business information:

Who are the main players?

Who could be a partner?

Where do applicants file?

Results 1-10 of 7,268 for Criteria:IC:F03G6 Office(s):all Language:EN Stemming: true

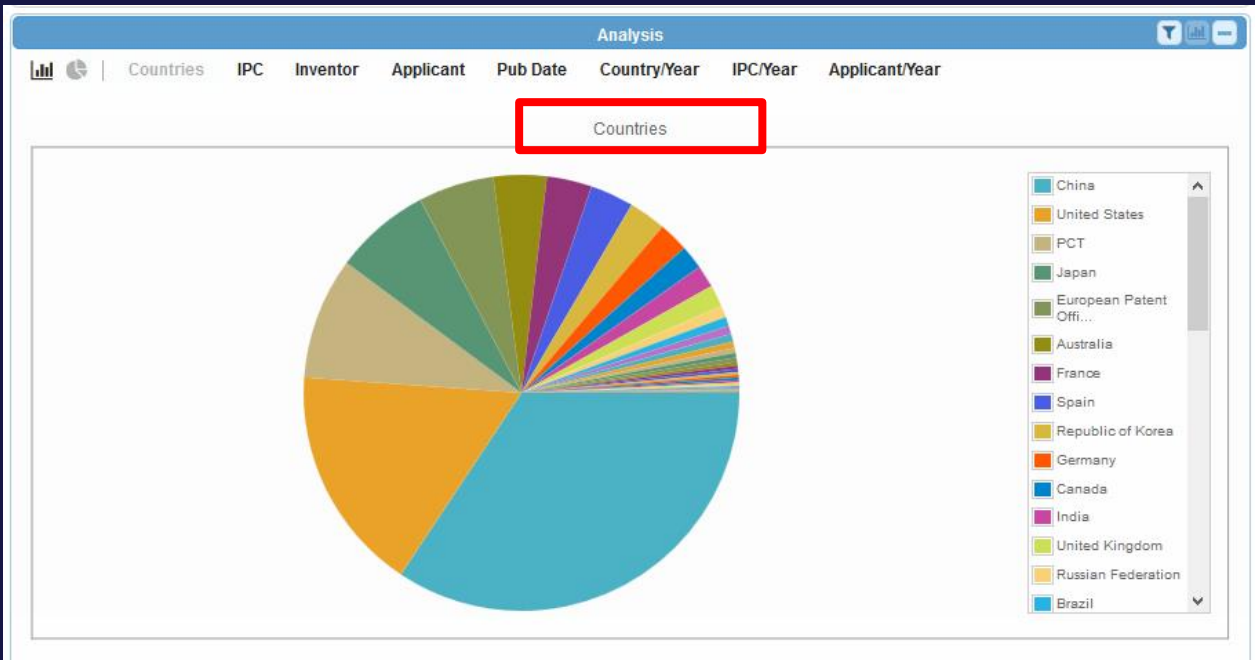
Page: 1 / 727

Refine Search IC:F03G6

Analysis									
Countries		IPC		Inventor		Applicant		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
China	2,496	F03G	7,268	TANIGAWA HIROYASU	104	TANIGAWA HIROYASU	104	2009	272
United States	1,220	F24J	2,172	TANIGAWA KAZUNAGA	104	TANIGAWA KAZUNAGA	104	2010	399
PCT	657	F01K	1,664	TANIGAWA KAZUNAGA	104	SIEMENS AKTIENGESELLSCHAFT	58	2011	608
Japan	519	F03D	710	ZHAO QIAN	55	ALSTOM TECHNOLOGY LTD	49	2012	618
European Patent Office	408	F22B	576	ZHAO JUNZHENG	54	NINGBO HIGH-TECH ZONE SHIDAI ENERGY TECHNOLOGY CO., LTD.	44	2013	730
Australia	287	F01D	550		40	SIEMENS AG	41	2014	684
France	243	F02C	509	KOBAYASHI ICHITA	21	MITSUBISHI HEAVY IND LTD	38	2015	530
Spain	235	F24S	425		00			2016	500

Sort by: Pub Date Desc View All List Length 10 Machine translation Side-by-side

Int.Class	Appl.No	Title	Applicant	Ctr	PubDate
				Inventor	

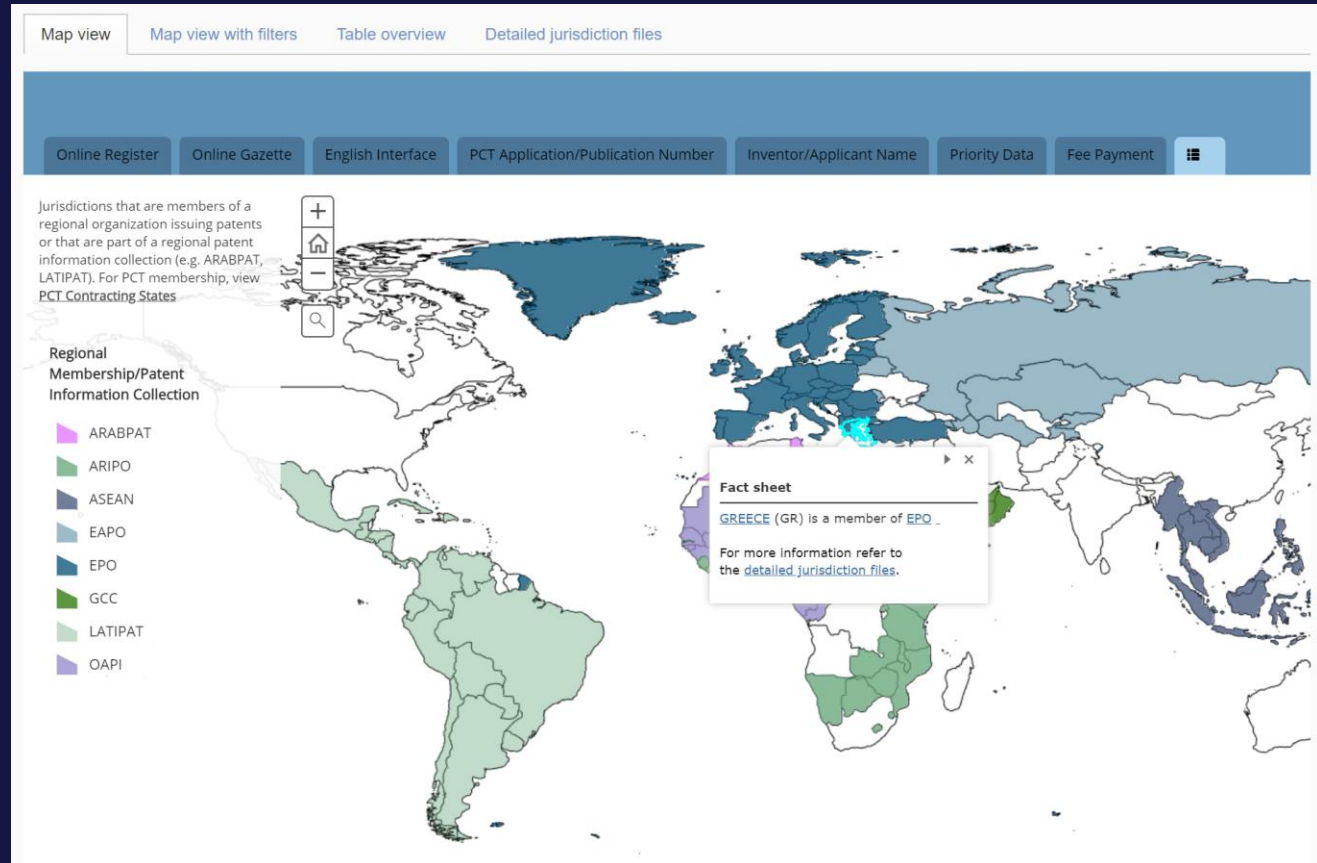


Are there any patents I might be infringing?

8. (WO2009129167) A SOLAR STEAM GENERATOR

PCT Biblio. Data	Description	Claims	National Phase	Notices	Documents
Available information on National Phase entries(more information)					
Office	Entry Date	National Number	National Status		
China	13.04.2009	200980114106.1			
Algeria	14.11.2010	DZP2010000698	Granted: 29.12.2011		
European Patent Office (EPO)	15.11.2010	2009732027	Published: 02.03.2011 Granted: 11.05.2016		
India	16.11.2010	8091/DELNP/2010			

Is this patent valid in my target market?



WORLD INTELLECTUAL PROPERTY ORGANIZATION

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- Browse by Week (PCT)
- Gazette Archive
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- Sequence listing
- IPC Green Inventory
- Portal to patent registers**

PCT Biblio. | Available in

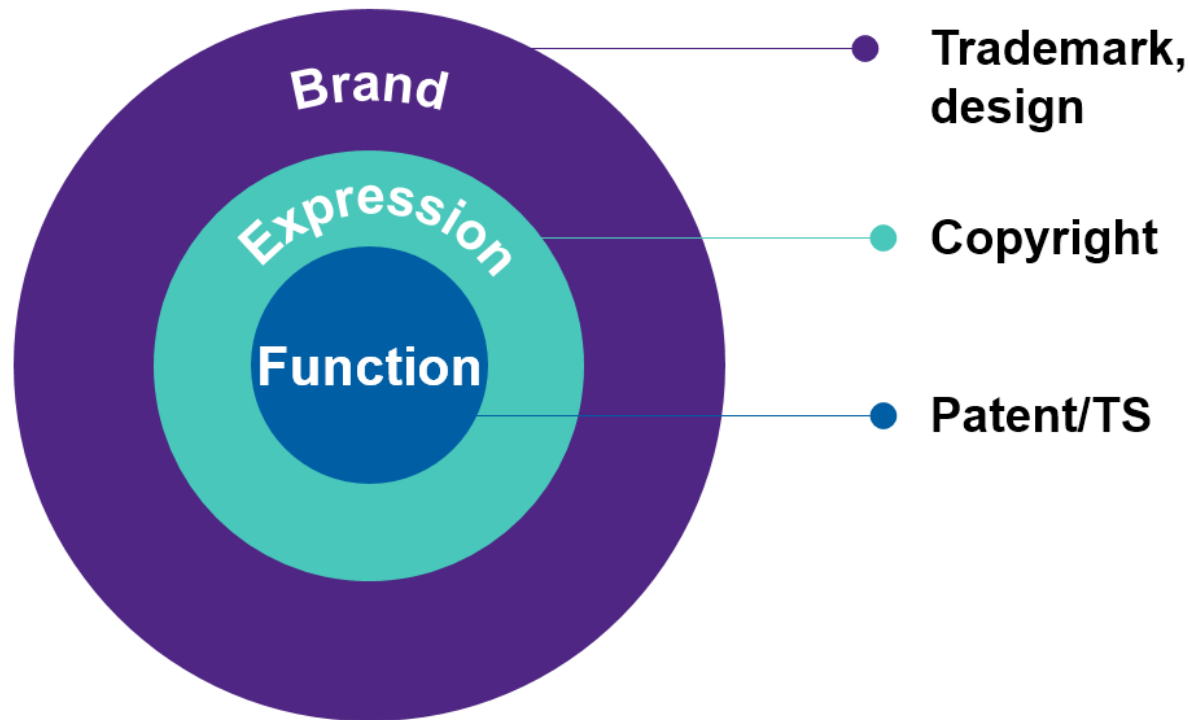
PATENTSCOPE tools

- WIPO Translate: search and translate patent documents in up to 14 languages
- Cross-lingual Expansion: looks for synonyms and translates terms and variations in up to 14 languages
- WIPO Pearl: collection of scientific and technical terminology for accurate and consistent use of terminology across languages, identify relationships between concepts
- Chemical compound search (register for a free account)

Resources: patent search and analysis

- [Finding Technology Using Patents](#)
- [WIPO Guide to Using Patent Information](#)
- [Guide to Technology Databases](#)
- [e-Tutorial](#) on Using and Exploiting Patent Information
- [PATENTSCOPE User Guide](#)
- PATENTSCOPE [video tutorials](#) and [webinars](#)
- [Guidelines on Preparing Patent Landscape Reports](#)
 - [WIPO PLRs](#) and [database of PLRs](#) by other organizations
- [Manual on Open Source Tools for Patent Analysis](#)
- [WIPO Academy Distance Learning Courses](#)

Other IP rights to add value to your product



Source: The IP Atom Framework in “Innovation and IP Protection”, Advanced Course on Intellectual Property Management, WIPO Academy

Trademarks and industrial designs:

→ is my trademark or my design new/distinctive?

Global Brand Database

Perform a trademark search by text or image in brand data from multiple national and international sources, including trademarks, appellations of origin and official emblems. V: 2019-04-04 21:43

A new AI-powered image search available Use the "Concept" Strategy
 2019-04-01
Data from Registro Nacional Costa Rica available Over 326000 records added
 2019-03-21
International Nonproprietary Names from WHO available
 2019-02-08
Data from North Macedonia available Over 33500 records added
 2018-12-21
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Data from Samoa available Over 7000 records added
 2018-11-27
Complete refresh of Thailand data Over 900,000 records available
 2018-11-27
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 NEWS

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Brand Names Numbers Dates Class Country

Text = korres

Image Class = e.g. 05.07.13, apple AND tree

Goods/Services = e.g. footwear, comput*


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BRAND:korres

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Verbal	6
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Unknown	0

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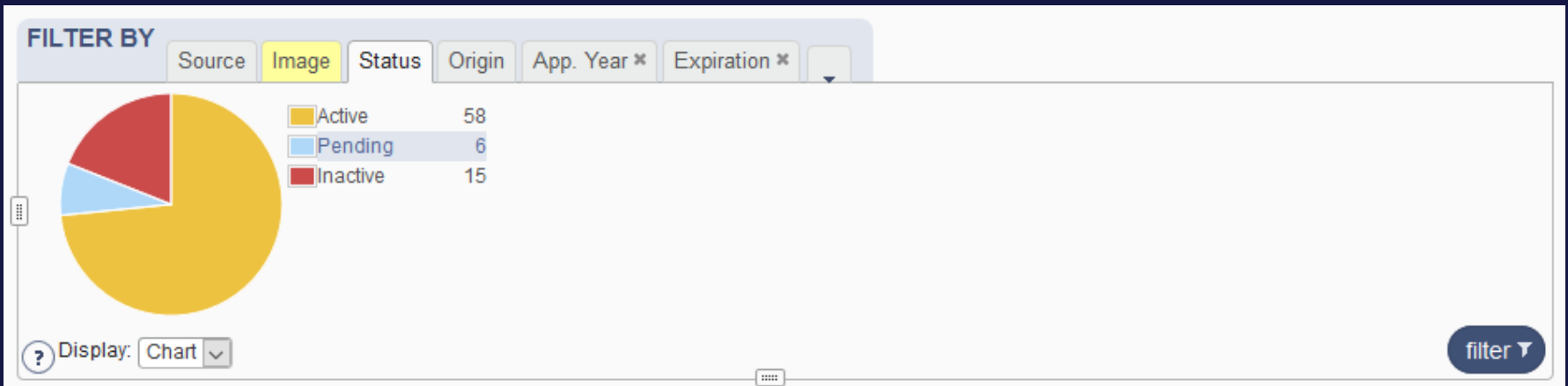
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<input type="checkbox"/>	KORRES	WO TM	Active	35	GR	KORRES S.A. NATURAL PRODUCTS	1145911		VC.27.05	3, 5	KORRES
<input type="checkbox"/>	KORRES	ID TM	Active	31	ID	KORRES S.A. NATURAL PRODUCTS	D002013027861	2013-06-11		3	KORRES
<input type="checkbox"/>	KORRES	IS TM	Active	31	IS	KORRES S.A. NATURAL PRODUCTS	V0088223	2013-01-31	VC.27.05	3, 5	KORRES
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<input type="checkbox"/>	KORRES	US TM	Active	31	US	KORRES SA NATURAL PRODUCTS	85710774	2012-08-23		3	KORRES

New: image concept similarity search



Statistical/trend information



Global Design Database

A world-wide collection of industrial designs data; including WIPO Hague registrations and information from participating national offices.

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SEARCH BY

Design Names Numbers Dates Country

Holder =

Creator =

Representative =

search ↗

CURRENT SEARCH
HOL:paleohorinos ✕

FILTER BY

Source	Designation	Locarno Class	Reg. Year *				
CA Designs	0	CN Designs	0	DE Designs	0	EM Designs	0
ES Designs	0	FR Designs	0	GE Designs	0	ID Designs	0
JP Designs	0	JO Designs	0	MD Designs	0	MK Designs	0
MN Designs	0	MY Designs	0	NZ Designs	0	TN Designs	0
US Designs	0	WO Designs	20				

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Display: 20 per page options

Sort by Reg. Date - desc

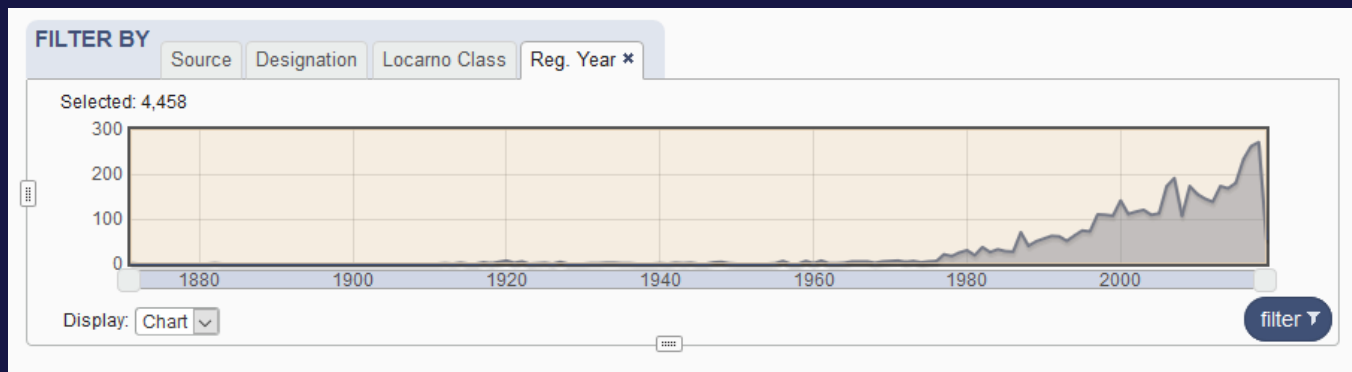
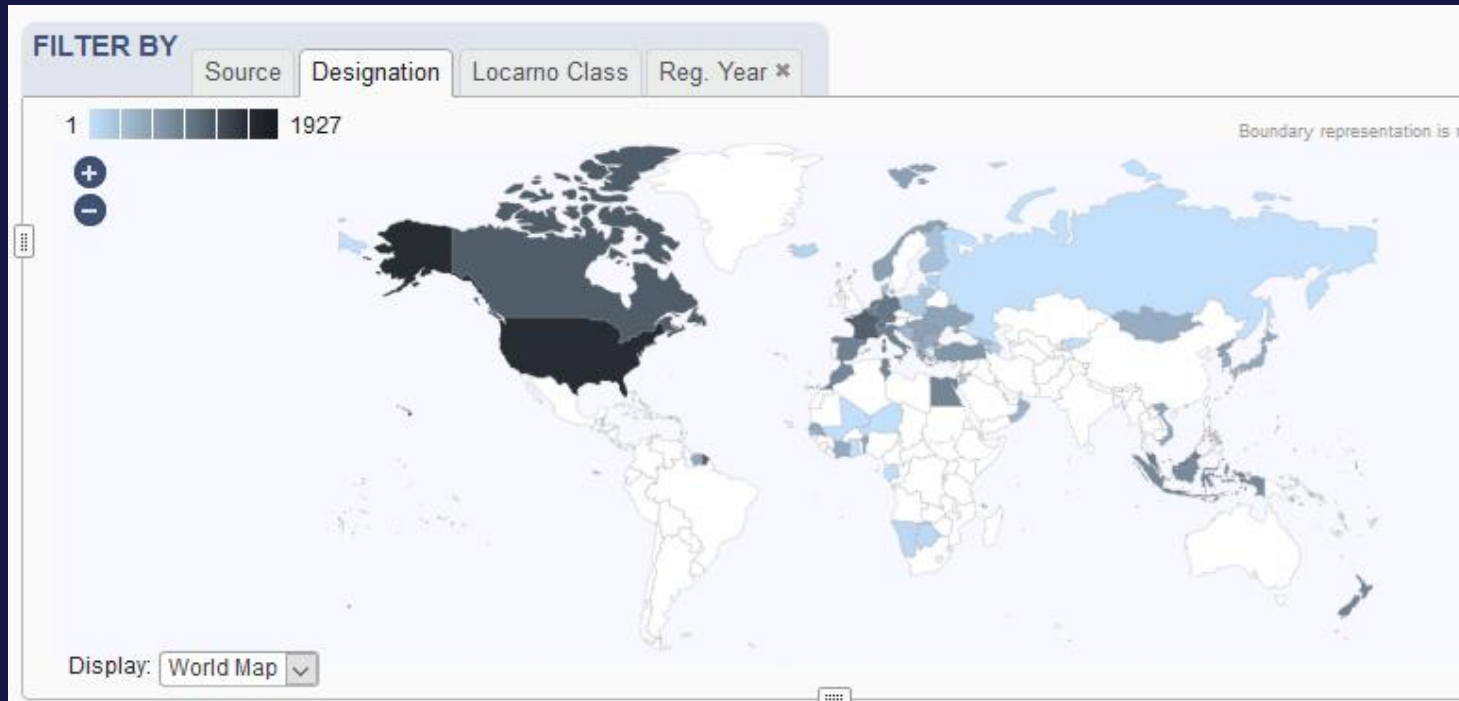
Hague
D101619
 1.-100. Luminous decorations
2018-05-25
[I. PALEOHORINOS FOTISTIKA A.B.E.E.](#)

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D103693
 1.-100. Luminous decorations
2018-05-25
[I. PALEOHORINOS FOTISTIKA A.B.E.E.](#)

Hague
D103775
 1.-100. Luminous decorations
2018-05-25
[I. PALEOHORINOS FOTISTIKA A.B.E.E.](#)

Hague
D100541
 1.-2. Luminous decorations
2018-01-25
[I. PALEOHORINOS FOTISTIKA A.B.E.E.](#)

Statistical/trend information



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WIPO Lex

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All news

Collective Marks Act (Act

News on IP Laws

Hungary: Act No. LXVII of 2011

Denmark: Act on Amendment of the Patent Act No. 1533 of December 18, 2010

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<https://www3.wipo.int/wipogreen/en/>



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(IMAGE: SHUTTERSTOCK/HANA)

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Type of institution

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Focus

*** Any ***

- Collaboration
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- Contact Research

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*** Any ***

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- IP policy
- National model IP Policies
- Template forms and agreements

Country / Territory

*** Any ***

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- Belgium
- Botswana
- Brazil

Language

*** Any ***

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- Catalan
- Croatian
- Czech
- Denish

Search

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