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Sandrine Ammann

Marketing and Communications Officer

Global Infrastructure Sector, WIPO

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April 8-11, 2019**

1995. 11

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1992 (11)

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2012 (11)

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2002 (11)

2001 (11)



# IP Documents

■ Patents: 73,180,000

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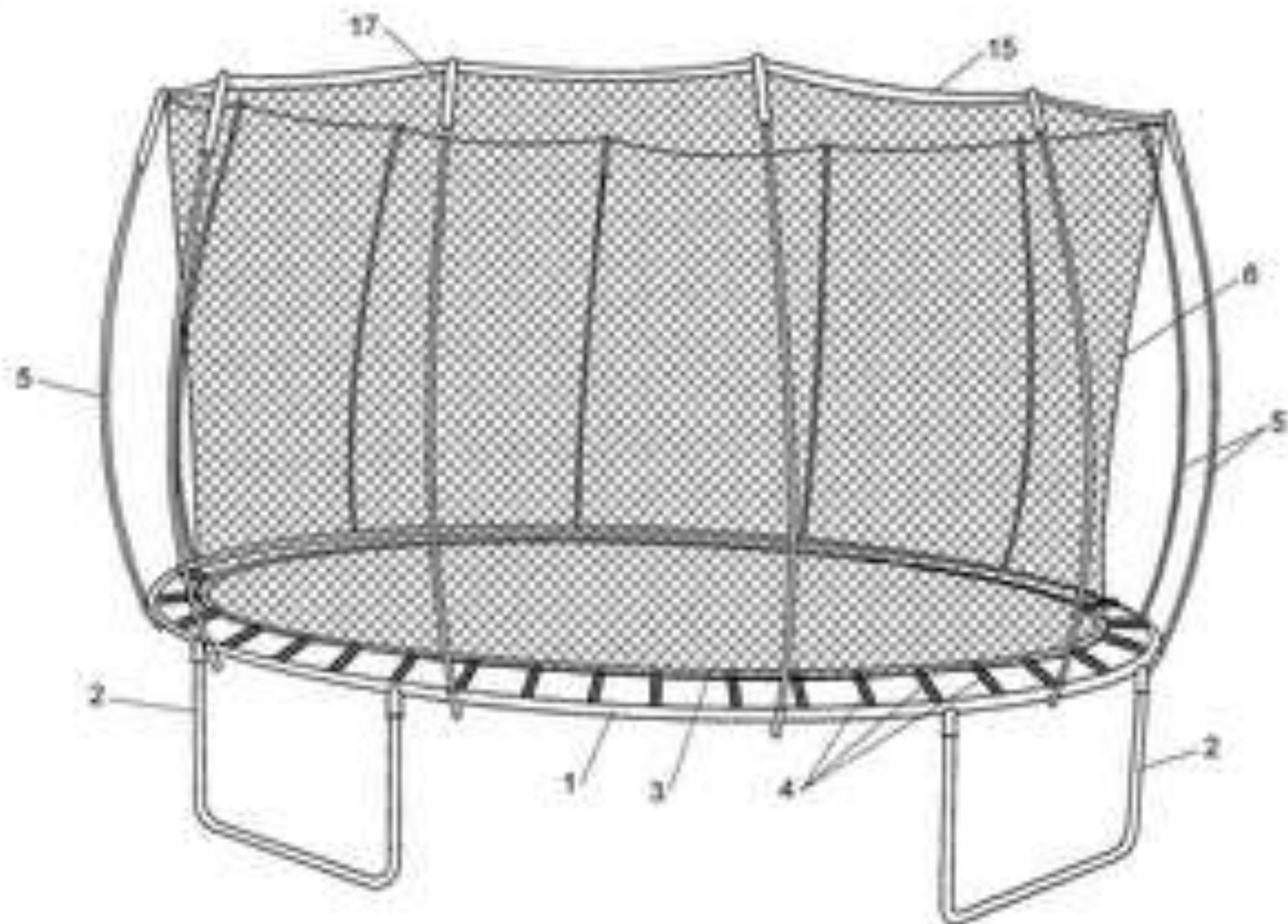
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trampoline



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**i** PCT Publication 45/2018 (08.11.2018) is now available. The next publication date is scheduled as follows: Gazette number 46/2018 (15.11.2018). [More](#)

Refine Search ALLNAMES:(Keith Alexander) AND EN\_AB:trampoline

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## Analysis

Countries		IPC		Inventor		Applicant		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
United States	14	A63B	68	Alexander Keith Vivian	14	BOARD & BATTEN INTERNATIONAL INC.	22	2009	3
PCT	14	A01N	3	ALEXANDER KEITH VIVIAN	13	BOARD & BATTEN INT INC	13	2010	5
European Patent Office	13	A41G	3	ALEXANDER, KEITH VIVIAN	11	ALEXANDER, Keith, Vivian	8	2011	6
Canada	9			ALEXANDER, Keith, Vivian	8	BOARD & BATTEN INTERNATIONAL INC	8	2012	2
Australia	5			ALEXANDER, Keith Vivian	4	Board & Batten International Inc.	8	2013	1
China	4			ALEXANDER, Keith, Vivian,	3	Alexander, Keith Vivian	5	2014	4
India	4			Keith Vivian Alexander	3	ALEXANDER, Keith Vivian	4	2015	1
Denmark	2			ALEXANDER Keith Vivian	2	Board & Batten Internat Inc.	4	2016	2

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 Side-by-side

Int.Class	Title	Applicant	Ctr	PubDate
1. WO/2004/062738	LEG STRUCTURE FOR A TRAMPOLINE		WO	29.07.2004
A63B 5/11	PCT/NZ2004/000005	BOARD & BATTEN INTERNATIONAL INC.		ALEXANDER, Keith, Vivian
<p>A leg structure (40) for a trampoline having a base frame formed from a plurality of interconnectable base section includes two end sections (46,48) two end sections (42,44) arranged to support respective adjacent base sections, and a central section (54) arranged to support the base sections supported by the end sections at the point of attachment of the base sections. The trampoline support frame has the base frame and a plurality of leg structures (40) supporting joins between respective pairs of adjacent base sections. The trampoline has a flexible mat (1), a base frame formed from a plurality of interconnectable base sections (46, 48), a plurality of resiliently flexible rods (2) each having a lower end retained in the base frame and an upper end retained in the flexible mat, and leg structures (40) supporting joins between respective pairs of adjacent base sections (46, 48).</p>				
2. WO/2004/062739	FRAME STRUCTURE FOR A TRAMPOLINE		WO	29.07.2004
A63B 5/11	PCT/NZ2004/000006	BOARD & BATTEN INTERNATIONAL INC.		ALEXANDER, Keith, Vivian
<p>A trampoline support frame is made up of a base frame (3) and tubular holders (8) arranged to retain the lower ends of respective resiliently flexible rods (2), with the tubular holders (8) located at least partly within the base frame (3). The base frame may have a number of interconnectable base sections (4, 5). The base sections may be coupled by an extending tongue portion (6) of on base section engaging into a recess (7) in an adjacent base section. The tongue portion of each base section may be provided with a slot arranged to receive at least one of the tubular holders of the adjacent base section. A trampoline has a flexible mat (1), the base frame (3), and a number of resiliently flexible rods (2) each having an upper end retained in the flexible mat and a lower end retained in a respective tubular holder (8).</p>				
3. WO/2005/035070	IMPROVED ROD CONSTRUCTION FOR SOFT-EDGED TRAMPOLINES		WO	21.04.2005

# Why should you do a patent search

- Does it already exist?

Refine Search ALLNAMES:(Keith Alexander) AND EN\_AB:trampoline

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## Analysis

Countries	
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PCT	14
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India	4
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Pub Date		
No	Date	No
22	2009	3
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4	2015	1
4	2016	2

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Title	Ctr	PubDate
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## 1. WO/2004/062738 LEG STRUCTURE FOR A TRAMPOLINE

WO 29.07.2004

A63B 5/11

PCT/NZ2004/000005

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## 2. WO/2004/062739 FRAME STRUCTURE FOR A TRAMPOLINE

WO 29.07.2004

A63B 5/11

PCT/NZ2004/000005

BOARD &amp; BATTEN INTERNATIONAL INC.

ALEXANDER, Keith, Vivian

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## 3. WO/2005/035070 IMPROVED ROD CONSTRUCTION FOR SOFT-EDGED TRAMPOLINES

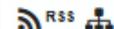
WO 21.04.2005

# Why should you do a patent search

- Does it already exist?
- What are my competitors doing?
- Are there any licensing opportunities?
- Who could be my partners?
- Any expired patents I could use?
- What are the latest trends?

Refine Search ALLNAMES:(Keith Alexander) AND EN\_AB:trampoline

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A63B 5/11

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BOARD &amp; BATTEN INTERNATIONAL INC.

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## 2. WO/2004/062739 FRAME STRUCTURE FOR A TRAMPOLINE

WO 29.07.2004

A63B 5/11

PCT/NZ2004/000006

BOARD &amp; BATTEN INTERNATIONAL INC.

ALEXANDER, Keith, Vivian

A trampoline support frame is made up of a base frame (3) and tubular holders (8) arranged to retain the lower ends of respective resiliently flexible rods (2), with the tubular holders (8) located at least partly within the base frame (3). The base frame may have a number of interconnectable base sections (4, 5). The base sections may be coupled by an extending tongue portion (6) of on base section engaging into a recess (7) in an adjacent base section. The tongue portion of each base section may be provided with a slot arranged to receive at least one of the tubular holders of the adjacent base section. A trampoline has a flexible mat (1), the base frame (3), and a number of resiliently flexible rods (2) each having an upper end retained in the flexible mat and a lower end retained in a respective tubular holder (8).

## 3. WO/2005/035070 IMPROVED ROD CONSTRUCTION FOR SOFT-EDGED TRAMPOLINES

WO 21.04.2005

# Cross-lingual Expansion

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Countries		IPC		Inventor		Applicant		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
42		A63B	34	Alexander Keith Vivian	4	Board & Batten Internat Inc.	4	2009	3
		A63G	3	Wang Zhiyue	3	Donghui Plastics (Shanghai) Co., Ltd.	3	2010	7
		A43B	1	Jin Hongliang	2	Fairweather Trading Ltd.	2	2011	3
		A47G	1	Legg Peter	2	Mo Zhiping	2	2012	3
		B27D	1	Mo Zhiping	2	Alexander Raidt	1	2013	3
		B32B	1	Alexander Raidt	1	Berg Toys B. V.	1		
		D05B	1	Barracrough Gavin	1	Cao Lixi	1		
		E01D	1	Brown Alexander Barracrough	1	Chengdu Yunshan Science and Technology Co., Ltd.	1		
		E04H	1	Cao Lixi	1	Eurotramp Trampoline Kurt Hack	1		

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Int.Class	Appl.No	Title	Wipo Translate	Ctr	PubDate	Inventor
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### 31. 103007483 Trampoline

A63B 5/11 201310009857.5

苏州益童

CN 03.04.2013  
孔德修

The invention relates to a trampoline which comprises a bed frame, wherein a bullet surface and a surrounding edge are arranged on the bed frame, a plurality of protective rods are arranged on the periphery of the bed frame, a protective net is arranged on the protective rod, and the protective net is arranged on the protective rod, and the lower edge of the protective net is connected between the elastic surface and the surrounding edge, a plurality of ropes are arranged on the periphery of the protective net along the periphery of the protective net, a light ring is arranged on the periphery of the surrounding edge, and a pressure sensor is arranged in the elastic surface, one end of the pressure sensor is connected with the diaphragm, and the other end of the pressure sensor is connected with a power supply device. The bouncing bed provided by the invention is provided with the protection net, so that the bouncing bed is safe and firm, and the light ring is additionally arranged on the bouncing bed, the light of the diaphragm is controlled by the pressure applied to the elastic surface during bouncing of an user, so that the method is more interesting.

### 32. 100010 Shape weaving rebounder making process and apparatus

A63B 5/11 200510062180.7

Huang Yongjun

Huang Yongjun

The present invention is strap weaving rebounder making process and apparatus. The making process includes the steps of preparing material, netting, aligning with special mold, sewing with an improved industrial sewing machine, and correcting. By means of improved aligning tool and improved industrial sewing machine, the made rebounder has high quality and lowered making cost. The present invention makes it possible to raise rebounder sport level and popularize rebounder sport.

### 33. 102264438 Trampoline padding element, trampoline padding cover and trampoline padding assembly

A63B 6/00 200980152709.0

Berg Toys B. V.

CN 30.11.2011

Van Den Berg Hendrik

Trampoline padding element for a trampoline padding assembly is usable on a trampoline, wherein the trampoline padding element is adapted to cooperate with a trampoline padding cover to form said trampoline padding assembly, the trampoline padding element is of a resilient material and is adapted to at least partly cover rigid and/or moving parts of the trampoline, wherein the trampoline padding element comprises a protection element, preferably provided along an outer circumferential edge of the trampoline padding element, the protection element in use is at least positioned above an upper frame, more in particular above a top rail of the upper frame, of the trampoline. The invention further relates to a trampoline padding cover and a trampoline padding assembly.



Machine translation

48. (CN205759365) 一种蹦床

National Biblio. Data

Description

Claims

Drawings

Documents

PermaLink

Application Number: 202016000477551 Application Date: 21.05.2016

Publication Number: 205759365 Publication Date: 07.12.2016

Publication Kind : U

IPC: A63B 5/11

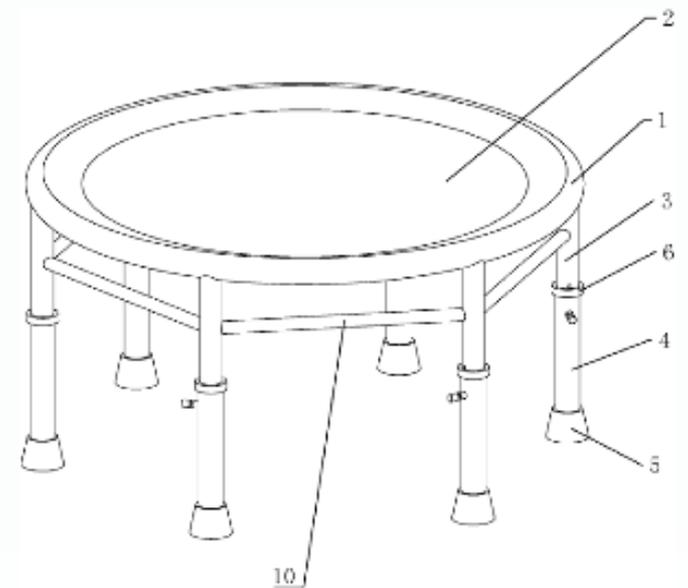
Applicants: 嘉兴市欧家旅游用品有限公司

Inventors: 张波

Priority Data:

Title: (ZH) 一种蹦床

**Abstract:** (ZH) 本实用新型公开了一种蹦床,解决了蹦床放置在不平整的地面上时,不能放置稳定而影响蹦床使用安全性的问题,其技术方案要点是一种蹦床,包括框架、连接在框架上的蹦床布和支撑框架的支撑杆,所述支撑杆包括上脚架和下脚架,上脚架一端固定连接在框架上,另一端与下脚架套接,上脚架与下脚架之间有可调节两者竖直方向相对位置的调节机构,达到了蹦床即使放置在不平整的地面上,也能通过调节每条支撑杆的长度使蹦床能平稳放置,从而增加蹦床的使用安全性。



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

# 一种蹦床

## 技术领域

本实用新型涉及一种运动器材，更具体地说，它涉及一种蹦床。

## 背景技术

蹦床是用弹面做成的供人们弹跳的一种运动器材。蹦床的主要作用是供人们运动或者娱乐。

目前，公开号为CN204910597U的中国专利公开了一种可调节倾斜角度的蹦床，它包括框架、用于支撑框架的脚架部、设于框架上的蹦床布，还包括长度可调节的支撑部，所述脚架部铰接在框架上，所述支撑部的两端分别铰接于脚架部以及框架上。

这种蹦床虽然能通过铰连的脚架部来调节整个蹦床的倾斜角度，在地面平整但有一定倾斜角度的条件下能平稳的放置蹦床，但当蹦床所处的地面为不平整的地面时，脚架部会出现一些脚架能触碰到地面而另一些会由于长度关系而碰不到地面，蹦床就不能平稳的放置在地面上，则蹦床在使用的过程中安全性会大大降低。

## 实用新型内容

针对现有技术存在的不足，本实用新型在于提供一种能通过调节单个支撑杆长度使蹦床放置更加平稳，从而使蹦床的使用更加安全的蹦床。

为实现上述目的，本实用新型提供了如下技术方案：一种蹦床，包括框架、连接在框架上的蹦床布和支撑框架的支撑杆，所述支撑杆包括上脚架和下脚架，上脚架一端固定连接在框架上，另一端与下脚架套接，上脚架与下脚架之间有可调节两者竖直方向相对位置的调节机构。

通过采用上述技术方案，用于支撑蹦床的支撑杆通过上下脚架套接形成，并且通过调节机构使得每根脚架都能单独调节长度，则在不平整的地面放置蹦床的时候，通过单独调节每一根脚架的长度，从而达到每一根脚架都能支撑在地面上，则蹦床就可以平稳的放置在地面上，达到使蹦床使用更安全的目的。

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

## Claims

1. Trampoline, comprising frame, trampoline connected to frame, and support frame (1), and is characterized in that the supporting rod comprises an upper foot frame and a lower foot frame (4), one end of the upper foot rest is fixedly connected to the frame, and the other end of the upper foot rest is connected with the lower foot rest (4) in a sleeving manner; an adjusting mechanism capable of adjusting the relative position in two vertical directions is arranged between the upper foot rest and the lower foot stand;

2. The trampoline according to claim 1, wherein the adjusting mechanism comprises a first pin column (7), and a pin column groove is formed in the lower foot frame (41); the first pin column is inserted into the pin column groove; the upper foot frame (3) and a plurality of holes matched with the inner ends of the pin columns in an inserted mode are formed in the length direction of the pin column

3. The trampoline according to claim 2, characterized in that: and a mounting box is arranged at the position, on the upper pin column groove of the lower foot frame, of the upper pin column groove (42), and the first pin column penetrates through the installation box and is inserted into the pin column groove (41); a spring is arranged in the mounting box; the spring (8) is arranged on the first pin column in a sleeved mode; the first pin column (7) is provided with a stop piece, and the stop piece is located on the spring (8) and the outer surface of the foot rest; one end of the spring is abutted against the stop piece (72); the other end of the connecting rod is abutted against the inner wall of the mounting box;

4. The trampoline according to claim 2, characterized in that the first pin column (7) is arranged away from the foot rest; a pin column cap is arranged at the other end, far away from the foot rest,

5. The trampoline according to claim 1, characterized in that the lower leg frame (4) is arranged away from the upper foot rest,

6. The trampoline according to claim 5, characterized in that the anti-skid sleeve (5) is in a circular truncated cone shape; the area of the upper end surface of the anti-skid sleeve is smaller than that of the lower end surface;

7. The trampoline according to claim 1, characterized in that the lower leg frame and the upper foot frame (3) is sleeved with a sealing ring; the sealing ring is fixed on the lower foot frame (4) with a port at one end connected with the upper foot stand

8. The trampoline according to claim 1, and is characterized in that a fixing strip is connected between the supporting rods

9. The trampoline according to claim 1, wherein the adjusting mechanism comprises a second pin column (9) and a rack; a vertically-arranged pin column groove is formed in the upper foot rack; the rack (33) is arranged in the groove, and one end, close to the rack, of the second pin column is provided with an energy source capable of being connected with the rack (33); the second pin column penetrates through the pin column groove to be

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PCT Publication 08/2019 (21.02.2019) is now available. The next publication date is scheduled as follows: Gazette number 09/2019 (28.02.2019).

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Text to be translated:

本发明公开了一种多用途的园林维护设备，其结构包括移动维修机、轮胎、滚轴、底盘、开关控制器、推把；为了实现多用途的园林维护设备能够实现打药和洒水并且移动方便，可以修枝剪叶清理地面杂草和落叶，移动维修机下设有轮胎，便于移动，驱动机构可以带动剪切机构对园林的植物进行修枝剪叶，通过地面清理装置能够将地面的杂草和落叶收集到垃圾收集框内，浇水装置配合注水室可以将药水直接浇注到植物上，推动柱带动洒水机构能够对地面进行洒水，提高了工作效率。

Language pair:

Chinese->English (Neural MT) ▾

Domain:

ADMN-Admin, Business, Management & Soc Sci ▾

Translate

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- *Please hover your mouse over parallel segments of text*
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本发明公开了一种多用途的园林维护设备，其结构包括移动维修机、轮胎、滚轴、底盘、开关控制器、推把；为了实现多用途的园林维护设备能够实现打药和洒水并且移动方便，可以修枝剪叶清理地面杂草和落叶，移动维修机下设有轮胎，便于移动，驱动机构可以带动剪切机构对园林的植物进行修枝剪叶，通过地面清理装置能够将地面的杂草和落叶收集到垃圾收集框内，浇水装置配合注水室可以将药水直接浇注到植物上，推动柱带动洒水机构能够对地面进行洒水，提高了工作效率。

the invention discloses a multipurpose garden maintenance device which structurally comprises a mobile maintenance machine, a rolling shaft, a chassis, a switch controller and a push handle; in order to realize multi-purpose garden maintenance equipment, insecticide and watering can be realized, and the multifunctional garden maintenance equipment is convenient to move., the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine, and the driving mechanism can drive the shearing mechanism to perform pruning and leaf shearing on the plants of the garden., and weeds and fallen leaves on the ground can be collected into the garbage collecting frame through the ground cleaning device., the watering device is matched with the water injection chamber, so that the liquid medicine can be directly poured on the plant, the pushing column drives the watering mechanism to spray water on the ground, and the working efficiency is improved.

Edit translation

本发明公开了一种多用途的园林维护设备，其结构包括移动维修机、轮胎、滚轴、底盘、开关控制器、推把；为了实现多用途的园林维护设备能够实现打药和洒水并且移动方便，可以修枝剪叶清理地面杂草和落叶，**移动**维修机下设有轮胎，便于移动，驱动机构可以带动剪切机构对园林的植物进行修枝剪叶，通过地面清理装置能够将地面的杂草和落叶收集到垃圾收集框内，洒水装置配合注水室可以将药水直接浇注到植物上，推动柱带动洒水机构能够对地面进行洒水，提高了工作效率。

Edit translation

the invention discloses a multipurpose garden maintenance device which structurally comprises a mobile maintenance machine, a rolling shaft, a chassis, a switch controller and a push handle; in order to realize multi-purpose garden maintenance equipment, insecticide and watering can be realized, and the multifunctional garden maintenance equipment is convenient to move., **the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine, and the driving mechanism can drive the shearing**

Choose among proposals, or edit the text

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine ...

Ok

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves**, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and a tire is arranged under** the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged **under** the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and fallen leaves**, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and the tire is arranged below** the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and the tire is arranged under** the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and fallen leaves, and a tire is arranged under** the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and **the tire is arranged below** the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and a tire is arranged below the movable** maintenance machine

the pruning blade can be used for cleaning **ground weeds and fallen leaves**, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for cleaning **the ground weeds and the fallen leaves, and a tire is arranged under the movable** maintenance machine

the pruning **shears** can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the mobile maintenance machine

the pruning **shears can be used for cleaning the ground weeds and the fallen leaves**, and a tire is arranged below the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a **t**(t)ire is arranged below the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and **the tire is arranged under** the mobile maintenance machine

the pruning blade can be used for clearing away weeds and fallen leaves on the ground, and a tire is arranged below the **movable** maintenance machine

the pruning **shears can be used for cleaning the ground weeds and the fallen leaves, and a tire is arranged under** the mobile maintenance machine

the pruning blade can be used for cleaning **ground weeds and fallen leaves, and a tire is arranged under** the mobile maintenance machine

lated links

- [WIPO Translate: Cutting-Edge Translation Tool For Patent Documents](#)

...

English->Arabic (Neural MT Beta)

Arabic->English (Neural MT Beta)

English->German (Neural MT)

German->English (Neural MT)

English->Spanish (Neural MT)

Spanish->English (Neural MT)

English->French (Neural MT)

French->English (Neural MT)

English->Japanese (Neural MT)

Japanese->English (Neural MT)

English->Korean (Neural MT)

Korean->English (Neural MT)

English->Portuguese (Neural MT)

Portuguese->English (Neural MT)

English->Russian (Neural MT)

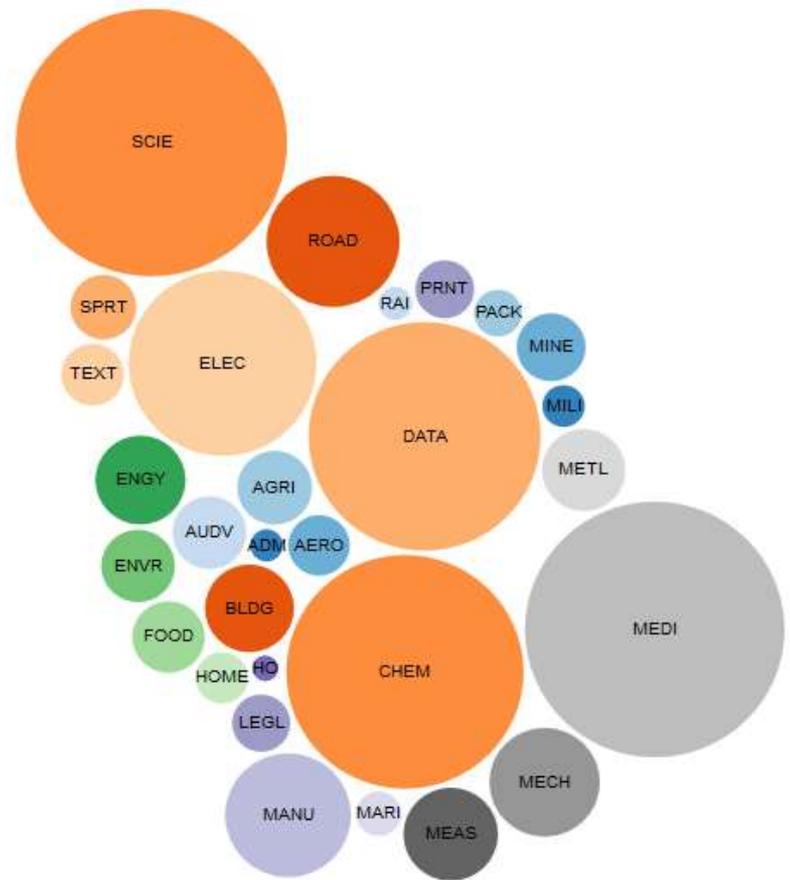
Russian->English (Neural MT)

English->Chinese (Neural MT)

Chinese->English (Neural MT)

⌵⌵⌵ Previous models (non-Neural) ⌵⌵⌵

# WIPO Pearl



## WIPO Pearl - Linguistic Search

WIPO's multilingual terminology portal gives access to scientific and technical terms derived from patent documents. Search by term, with optional parameters. Select a Source Language for best results, and disable ad-blocking plug-ins.

- [User Guide](#)
- [Concept Map Search](#)

Search Term	<input type="text" value="Enter your term here..."/>	Source Language	<input type="text" value="Any"/>	Target Language	<input type="text" value="Any"/>
Subject Field	<input type="text" value="Any"/>	Abbreviation Only	<input type="checkbox"/>	Exact Search	<input type="checkbox"/>
<input type="button" value="Search"/> <input type="button" value="Reset"/>					

# WIPO Pearl

- WIPO's online terminology database
- 17'000 concepts, 160'000 terms
- 10 languages
- Contents validated by WIPO language experts and terminologists

# Example: bicycle fork

Search Term  Source Language  Target Language

Subject Field  Abbreviation Only  Exact Search

**Results**

1 HITS for bicycle fork Source Language EN; Target Language Any; Subject Field Any Hide all contexts Show all contexts

1 of 1 ⏪ ⏩ 1 ⏪ ⏩

ROAD / Cycles & non-powered vehicles 🗨

EN	bicycle fork	+	🚩🚩🚩🚩	  	☆☆☆☆☆
DE	Fahrradgabel	+	🚩🚩🚩🚩	  	☆☆☆☆☆
ES	horquilla	+	🚩🚩🚩🚩	  	☆☆☆☆☆
FR	fourche de bicyclette	+	🚩🚩🚩🚩	  	☆☆☆☆☆
KO	포크	+	🚩🚩🚩🚩	  	☆☆☆☆☆
PT	garfo	+	🚩🚩🚩🚩	  	☆☆☆☆☆
ZH	自行车前叉 (zìxíngchē qiánchā)	+	🚩🚩🚩🚩	  	☆☆☆☆☆
JA	自転車フォーク		WIPO MT		☆☆☆☆☆
RU	Вилки велосипеда		WIPO MT		☆☆☆☆☆

1 of 1 ⏪ ⏩ 1 ⏪ ⏩

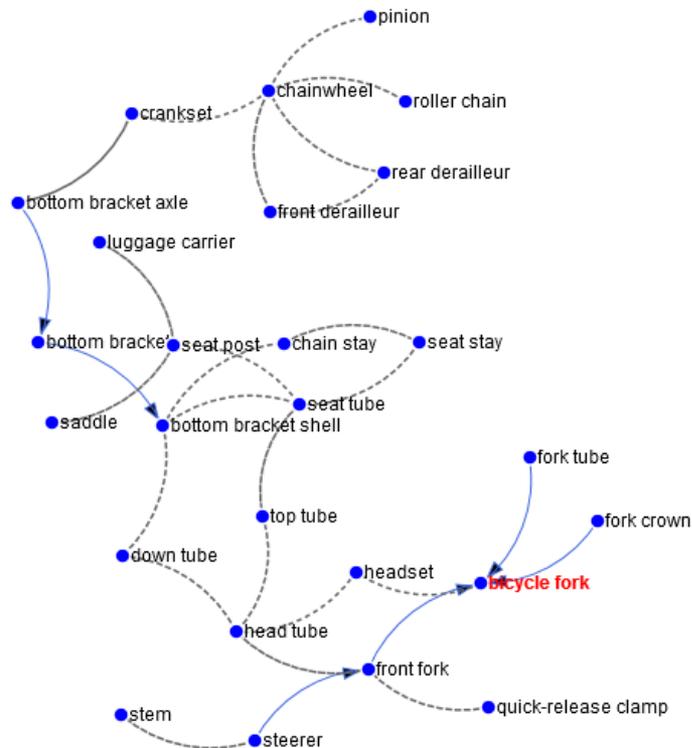
Results

Concept Map

Subject Field ROAD (Road Vehicle & Automotive Engineering)

Subfield Cycles & non-powered vehicles

\*\*\* Associative relation between two concepts — Generic or partitive relation between two concepts ● Concept belongs to a different subject field/subfield



# Chemical compounds

Chemical compounds search [Help]

[Convert structure](#) [Structure editor](#) [SubStructure](#) [Upload structure](#)

Compound name

Search for scaffold:  Office:  All

Tooltip Help

## Analysis

Sort by: Relevance

View All

List Length 10

 Side-by-side

Int.Class	Appl.No	Title	Applicant	Ctr	PubDate
			Inventor		
1. 106132204	Sildenafil solutions and methods of making and using same			CN	16.11.2016
A01N 43/90	 201580013951.5	VIGOROUS SOLUTIONS LTD.		ROGOSNITZKY MOSHE	
The invention discloses sildenafil solutions and methods of making and using the same. The invention relates to compositions containing dissolved sildenafil citrate and methods of producing such compositions, wherein sildenafil citrate is dissolved in water mixed with one or more alcohols, and optionally a ketone may be used to enhance solubility. The invention also relates to methods of using such compositions containing dissolved sildenafil citrate utilizing dosages significantly below existing therapeutic dosages of sildenafil citrate.					
2. 105353095	一种西地那非及其结构类似物的免疫检测方法			CN	24.02.2016
C07D 487/04	 201510782599.3	华南农业大学		沈玉栋	
本发明属于免疫检测技术领域,公开了一种西地那非及其结构类似物的免疫检测方法,即以巯基西地那非半抗原制备人工抗原,再制备得到抗体,并用于检测西地那非及其结构类似物,该方法克服了现有检测西地那非技术的缺陷和步骤,对西地那非的最大检测范围为0.024~1.21 ng/mL,灵敏度为0.17 ng/mL,检出限为0.008 ng/mL,回收率为86.0~90.8%,该方法检测快速、大大缩短了检测时间,不考虑检测人员操作熟练程度的影响,整个检测过程仅仅需要80min左右即可完成,且检出限更低、灵敏度更高。					
3. 105250242	包含西地那非游离碱的膜制剂及其生产方法			CN	20.01.2016
A61K 9/70	 201510567618.0	西梯茜生命工学股份有限公司		全泓烈	
本发明公开了一种包含西地那非游离碱的膜制剂及其生产方法。具体地,本发明涉及制备膜的方法,所述膜包含均匀分散于其中的高含量的西地那非游离碱,具有适当的尺寸和厚度,并且还因其柔韧性而不易破损,从而提供了良好操作性。本发明还涉及通过所述方法制备的包含西地那非游离碱的膜。					
4. 102174474	Sildenafil monoclonal antibody and colloidal gold chromatography test strip used for detecting sildenafil			CN	07.09.2011
C12N 5/20	 201110004722.5	Nantong Egen Biology Technic Co., Ltd.		Qu Weijun	

## 2. (CN105353095) 一种西地那非及其结构类似物的免疫检测方法

National Biblio. Data

Description

Claims

Drawings

Compounds

Documents

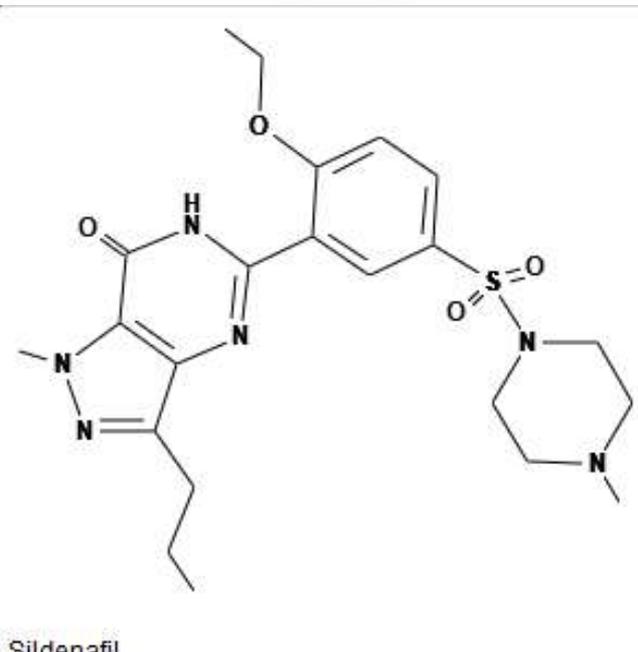
Note: Text based on automatic Optical Character Recognition processes. Please use the PDF version for legal matters

### 一种西地那非及其结构类似物的免疫检测方法

#### 技术领域

本发明涉及免疫检测技术领域，更背景技术

西地那非为PDE-5抑制剂，用于治疗突出产品的功效，违法在保健食品非、瓦地那非等，对消费者身体健目前市场的补肾壮阳类、抗疲劳类主要为：西地那非、他达拉非、瓦地那非食品中有2种添加西地那非，5种添加有PDE-5抑制剂，分别为西地那非，PDE-5抑制剂，分别为西地那非、瓦地那非、安徽铜陵、江苏南通、南京、重庆、健食品抽检中均检出西地那非等PDE被非法添加在保健食品、能量饮料



的免疫检测方法。

一些保健食品生产企业为添加枸橼酸西地那非、他达拉

是触目惊心。添加的成分于3月下旬查处的7种保健食品中，7种含的保健食品中，5种含有对，北京、江苏无锡、安徽铜陵、江苏南通、南京、重庆、健食品抽检中均检出西地那非等PDE被非法添加在保健食品、能量饮料

在不知情的情况下服用了添加西地那非的保健食品，会出现头晕、昏晕、甚至青光眼，造成对肾功能、心脏功能、心血管疾病的严重损害。长期服用，还会导致食用者勃起不倒，伤及阴部肌肉组织，甚至加重阳痿，甚至变为永久性阳痿。国内已有内服枸橼酸西地那非后死亡

西地那非及其结构类似物的检测最常用的方法为仪器分析法，沈志武等（2008）利用高效液相色谱法

# Search for all levels

### Simple Search

Using PATENTSCOPE you can search 74 million patent documents including 3.5 million published international patent applications (PCT). Detailed coverage information can be found here [→](#)

Office: All

PCT Publication 08/2019 (21.02.2019) is now available. The next publication date is scheduled as follows: Gazette number 09/2019 (28.02.2019).

### Field Combination

AND	Front Page	=	
AND	Inventor Name	=	Keith Alexander
AND	Application Number	=	
AND	Publication Data	=	
AND	English Title	=	
AND	English Abstract	=	
AND	Applicant Name	=	
AND	International Class	=	[trampoline]
AND	Inventor Name	=	
AND	Office Code	=	
AND	English Description	=	
AND	English Claims	=	
AND	Inventor Name	=	
AND	Licensing availability	=	

Language: English Stem:  Office:  All

Is Empty:  N/A  Yes  No

(\*\*) Add another search field | (-) Reset search fields

63 results

### Advanced Search

Search For: ALLNAMES (keith alexander) AND EN\_AB (trampoline NEAR10 rod) OR EN\_TI:ing AND DP:[2000 TO 2019]

Expand with related terms [↓](#)

Language: English Stem:  Office:  All

Instant Help  Tooltip Help

# Collections available



# Portal to patent registers

Map view

Map view with filters

Table overview

Detailed jurisdiction files

Online Register

Online Gazette

English Interface

PCT Application/Publication Number

Inventor/Applicant Name

Priority Data

Fee Payment



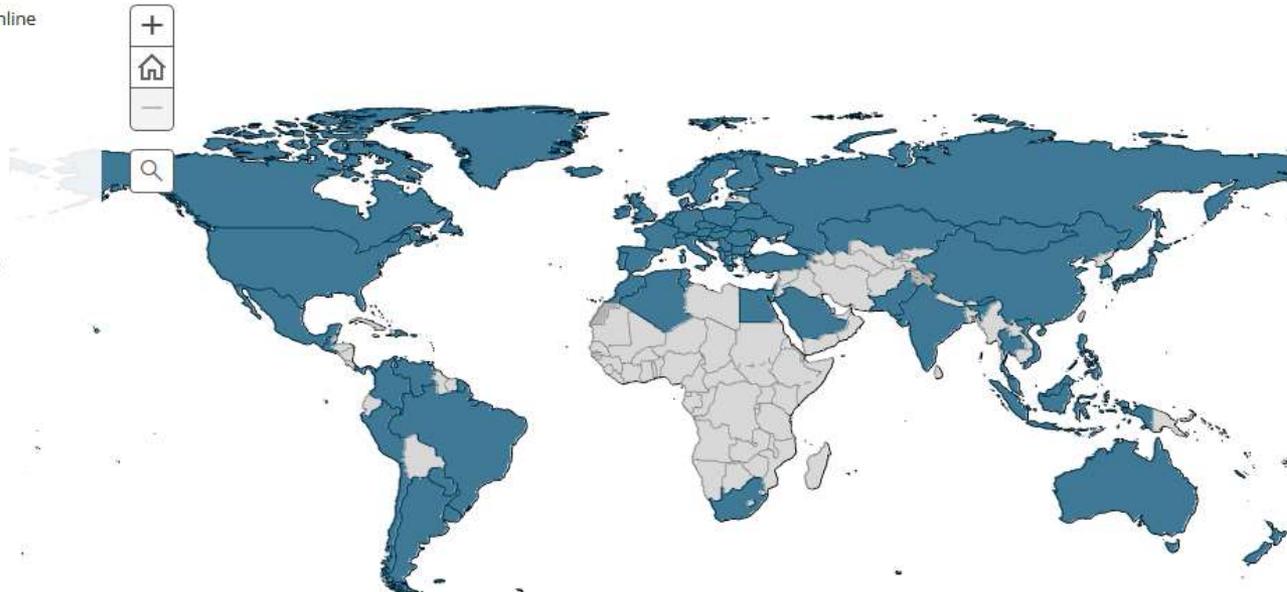
Jurisdictions that have an online patent register

Online Register

Yes

No

No data available







# PATENTSCOPE

▶ ▶ 🔊 0:01 / 1:38



■ Video: <https://www.youtube.com/watch?v=bHfmWLTvYI8>



# Anchor

# Why should you do a mark search

- Does it already exist?
- Is it distinctive?
- Is anyone infringing my mark?
- What are the market trends?

Anchor		ANCHOR	ANCHOR	ANCHOR			ANCHOR	<i>Anchor</i> 앵커	ANCHOR
ANCHOR	ANCHOR	ANCHOR	ANCHOR	ANCHOR		ANCHOR			
	ANCHOR			ANCHOR ANCHOR	ANCHOR	ANCHOR			
		ANCHOR	ANCHOR	ANCHOR					
		앵커 ANCHOR		ANCHOR		ANCHOR	<i>Anchor</i>	<i>Anchor</i>	ANCHOR
ANCHOR		<i>Anchor</i>				ANCHOR 앵 커			

# Image similarity: history

- Released in 2014
- Based on Image features:
  - Shape
  - Color
  - Texture
- Very effective: simple geometric shapes

# Image similarity: history

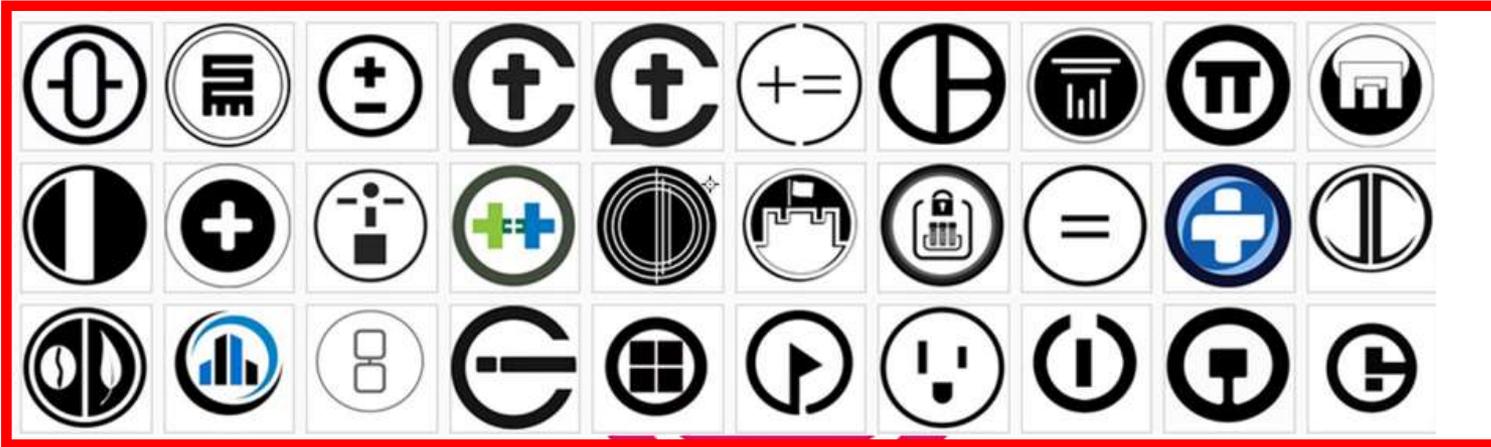


# Image similarity: limitation

## ■ Semantic similarity



# Before/After



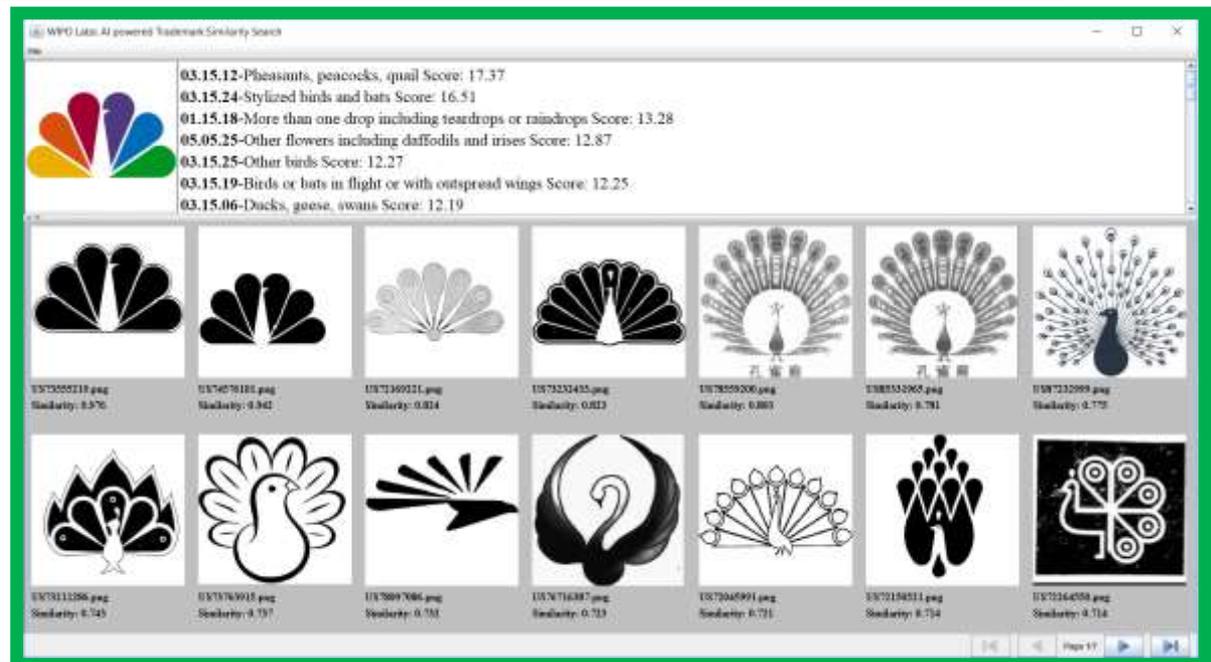
WPO Labs AI powered Trademark Similarity Search

04.07.03-Geometric figures or combinations of geometric figures representing a person Score: 10.81  
 02.01.33-Grotesque men formed by letters, numbers, punctuation or geometric shapes Score: 10.74  
 02.01.01-Heads, portraits, busts of men not in profile. Score: 10.16  
 02.01.37-Heads, portraits or busts of men in profile Score: 9.71  
 02.11.16-Smiley faces Score: 9.68  
 26.01.02-Plain single line circles Score: 8.8  
 02.01.31-Stylized men, including men depicted in caricature form Score: 8.52

US8573384.png Similarity: 0.890	US85218923.png Similarity: 0.802	US78416144.png Similarity: 0.767	US86333323.png Similarity: 0.756	US77821171.png Similarity: 0.749	US8575423.png Similarity: 0.744	US76443120.png Similarity: 0.733
US7494013.png Similarity: 0.732	US85332548.png Similarity: 0.730	US75731540.png Similarity: 0.721	US77204842.png Similarity: 0.706	US74275614.png Similarity: 0.704	US86488938.png Similarity: 0.699	US76165120.png Similarity: 0.699



# Before/After



# 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: 2019-03-14 15:44

Data from France available 2019-03-29 Over 2,800,000 records added

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Data from Spain available 2016-06-11 Over 740,000 records added

Data from Mongolia available 2016-06-11 Over 15,000 records added

### SEARCH BY

Brand Names Numbers Dates Class Country

Text

Image Class

Goods/Services

### FILTER BY

Source	Image	Status	Origin	App. Year #	Expiration #
AE TM	0	AU TM	1,674,341	BH TM	0
CL TM	502,514	CR TM	0	DE TM	2,053,792
EG TM	0	EM TM	1,659,334	ES TM	904,099
IL TM	280,269	IS TM	107,255	IT TM	1,181,928
KR TM	3,550,174	KW TM	0	LA TM	46,119
MN TM	71,054	MX TM	1,451,108	MY TM	838,847
				NZ TM	663,732
				OM TM	0
				PG TM	31,865

Display: List Sort: Value - asc Filter

1 - 60 / 37,808,621  Display: 10 per page 1 / 630,134

Sort by: Relevance - desc


<https://www.wipo.int/branddb>

# 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.  
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<b>International Nonproprietary Names from WHO available</b> Over 9800 records added 2019-02-08	<b>Data from North Macedonia available</b> Over 33500 records added 2018-12-21	<b>Free webinars</b> Global Brand Database Webinars 2018-12-20	<b>Data from Samoa available</b> Over 7000 records added 2018-11-27	<b>Complete refresh of Thailand data</b> Over 900,000 records available 2018-11-27	<b>Free webinars</b> How to read, save & share your results 2018-10-23	<b>Data from Tunisia available</b> Over 89,000 records added 2018-10-23	NEWS in B
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## SEARCH BY

Brand Names Numbers Dates Class Country

Text: anchor

Image Class: anchor, anchors, anchorage

Goods/Services: anchored, anchoring, anchorman, anchorlok, anchordesk, anchora, anchorfx

1 - 30 / 37,623,909

search

## FILTER BY

Source	Image	Status	Origin	App. Year *	Expiration *
AE TM 166,762	AU TM 1,675,931	BH TM 51,668	BN TM 46,485	CA TM 1,627,950	CH TM 416,846
CL TM 602,514	DE TM 2,055,468	DK TM 291,383	DZ TM 35,806	EE TM 60,039	EG TM 121,063
EM TM 1,661,004	ES TM 904,099	FR TM 2,760,893	GE TM 41,733	ID TM 981,116	IL TM 280,269
IS TM 107,444	IT TM 1,181,928	JO TM 155,030	JP TM 2,169,829	KH TM 92,300	KR TM 3,560,174
KW TM 33,213	LA TM 46,174	MA TM 174,471	MD TM 41,547	MK TM 33,791	MN TM 71,064
MX TM 1,451,703	MY TM 838,847	NZ TM 663,791	OM TM 58,424	PG TM 31,855	PH TM 456,462

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Display: 30 per page options 1 / 1,254,131

Brand	Origin	Holder	Number	App. Date	Image Class	Nice Cl.	Image
ALPHA LINE	CH TM	Migros-Genossenschafts-Bund	791542018	2019-03-15		16, 28, 41	
REIGN ENERGY	IS TM		V0112465	2019-03-15		32	
RULE ENERGY	IS TM		V0112464	2019-03-15		32	
HEREFORD PRIME	NZ TM	HEREFORD PRIME NZ LIMITED	1116137	2019-03-15	VC.26.01, VC.27.01, VC.27.05	29, 35	
AZ-Form	NZ TM	Formsteel Technologies Limited	1116138	2019-03-15		5, 42	
A ALPHA SECURITY SERVICES	NZ TM	ALPHA SECURITY SERVICES 2016 LIMITED	1116131	2019-03-15	VC.26.11, VC.27.05, VC.27.99	42	
bravesight	NZ TM	BRAVESIGHT LIMITED	1116132	2019-03-15	VC.03.01, VC.26.05, VC.27.05	35, 42	

# Different seaches available

## SEARCH BY

Brand

Names

Numbers

Dates

Class

Country

Text

= ▼

anchor

Image Class

=

e.g. 05.07.13, apple AND tree



Goods/Services

=

e.g. footwear, comput\*

search 🔍

# Narrowing down the results

**FILTER BY**

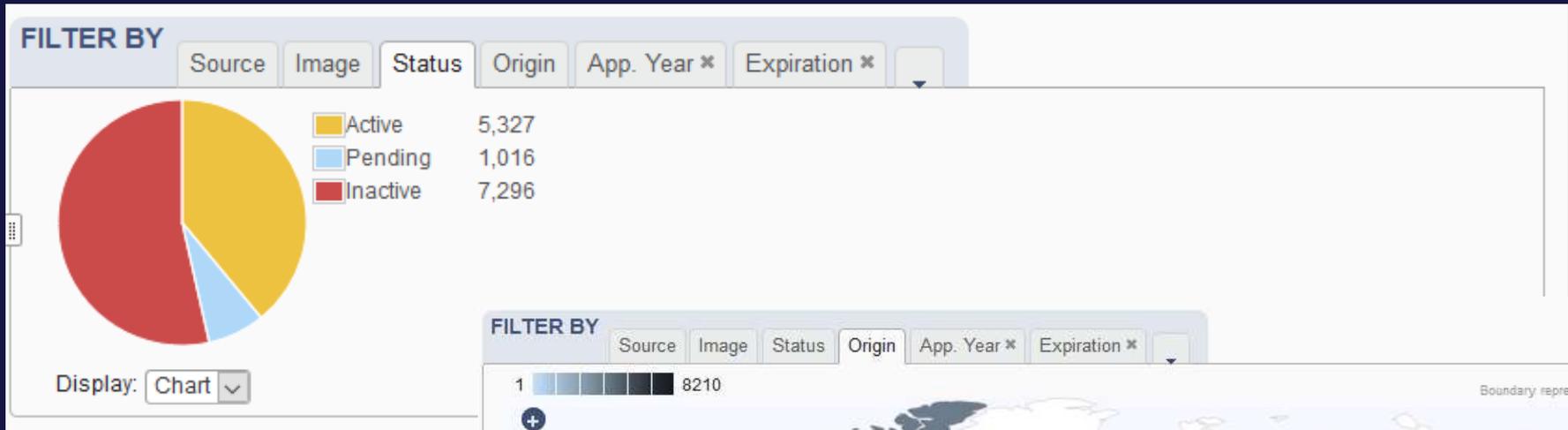
Source Image Status Origin App. Year \* Expiration \*

AE TM	2	AU TM	267	BH TM	13	BN TM	30	CA TM	298	CH TM	31	CL TM	19
DE TM	50	DK TM	12	DZ TM	4	EE TM	9	EG TM	18	EM TM	105	ES TM	10
FR TM	62	GE TM	9	ID TM	75	IL TM	9	IS TM	9	IT TM	26	JO TM	20
JP TM	61	KH TM	32	KR TM	117	KW TM	3	LA TM	23	MA TM	16	MD TM	5
MK TM	1	MN TM	4	MX TM	34	MY TM	319	NZ TM	196	OM TM	0	PG TM	10
PH TM	141	SG TM	115	SD TM	9	TH TM	80	TN TM	6	TO TM	4	US TM	1,301

Display: List Sort: Value - asc

filter

# Statistical/trend information



849670 - Anchor ; Anchor ; Anchor ; Anchor

Status: Registered (2012-02-07)

(151) Date of the registration

2012-02-07

(210) Serial number of the application

849670

(220) Date of filing of the application

2010-09-31

(180) Expected expiration date of the registration/renewal

2020-09-31

(541) Reproduction of the mark where the mark is represented in standard characters

Anchor ; Anchor ; Anchor ; Anchor

(540) Mark



(531) International Classification of the Figurative Elements of Marks (Vienna Classification)

18.04.02, 27.05.17, 27.05.08, 09.01.07., 18.04.02, 27.05.17, 27.05.08, 09.01.07., 18.04.02, 27.05.17, 27.05.08, 09.01.07., 18.04.02, 27.05.17, 27.05.08, 09.01.07.

(550) Indication relating to the nature or kind of mark

Individual - Word, Figurative

(731) Name and address of the applicant

NEW ZEALAND MILK BRANDS LIMITED

Physical Address: 9 Princes Street

1010 Auckland Central, Auckland (NZ)

Postal Address: 9 Princes Street

1010 Auckland Central, Auckland (NZ)

(740) Name and address of the representative

AJ PARK

Physical Address: State Insurance Tower

Level 22, 1 Willis Street, Wellington 6011 (NZ)

Postal Address: PO Box 948

6140 Wellington (NZ)

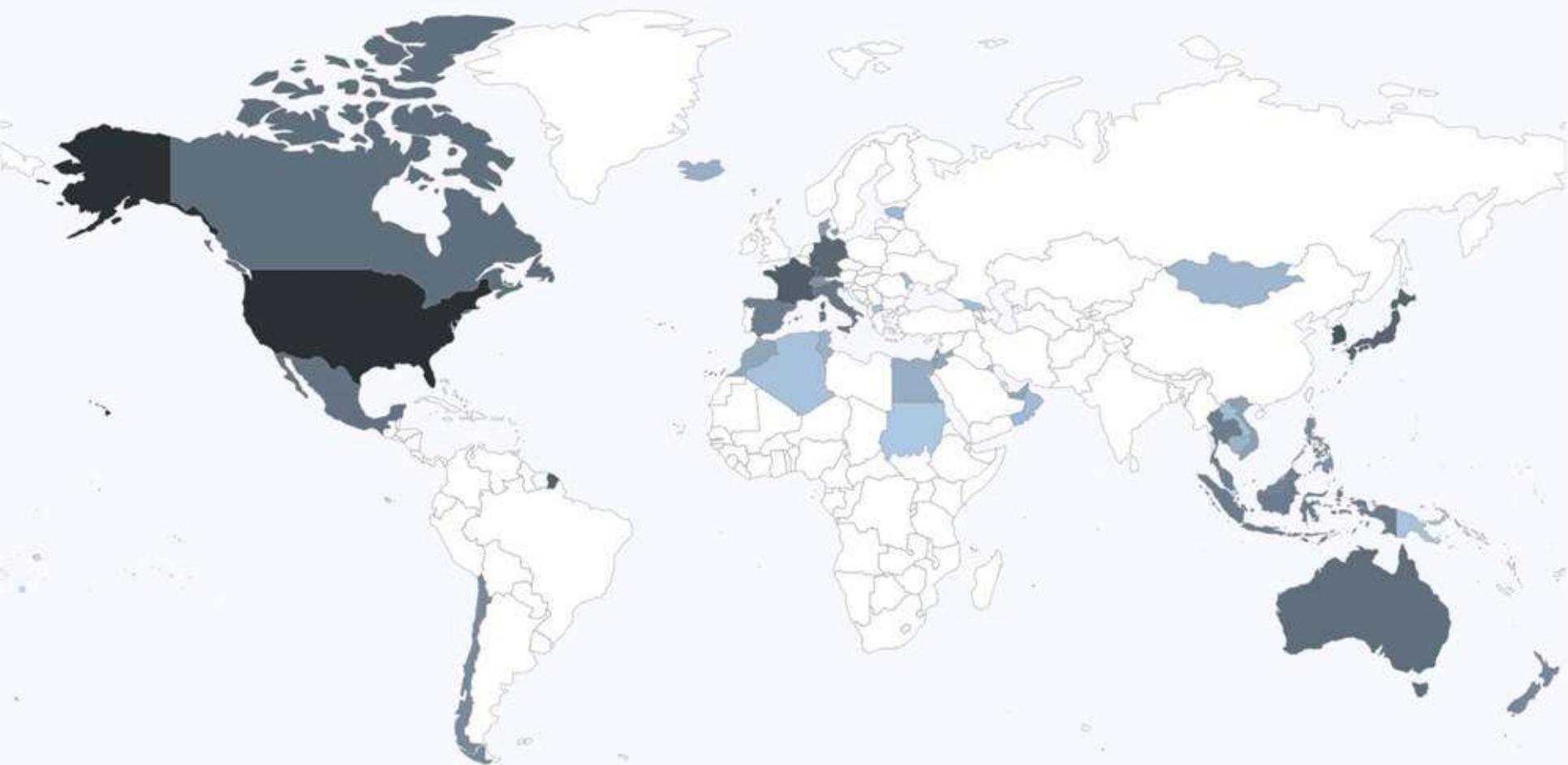
(750) Address for correspondence

State Insurance Tower

Level 22, 1 Willis Street, Wellington 6011 (NZ)

(511) The International Classification of Goods and Services for the Purposes of the Registration of Marks (Nice Classification) and the list of goods and services classified according thereto

- 5 Diabetic foods and beverages; diabetic substances adapted for medical use; health foods and products; food for babies and infants including milk powder for babies and infants; nutritional additives, supplements and cultures; food supplements for medical purposes; mineral supplements for foodstuffs; vitamins and vitamin formulations for human consumption; pharmaceutical preparations and veterinary preparations in the nature of foodstuffs and food ingredients for humans or animals; bacteriological and/or probiotic cultures, preparations and substances; cultures of micro-organisms.
- 29 Dairy products and dairy foods in this class; dairy based beverages and powder; milk; milk and milk based products; ultra high temperature (UHT) milk; extended shelf life (ESL) milk; milk concentrate; milk protein; milk powder and dried milk; flavoured milk powder; milk substitutes in this class; milk beverages including flavoured and fortified milk beverages (milk predominating); cream; butter; edible oils and fats; margarine and food spreads including blends of margarine, butter and other edible oils; products included in this class consisting wholly or principally of edible oils or of edible fats for use in creaming coffee and like drinks; proteins and protein products for human consumption; cheese including brie, cheddar, colby, cream, edam, emmental, feta, gouda, gruyere, haloumi, havarti, mozzarella, parmesan, romano, swiss, cultured dairy products; dairy products incorporating yoghurt, yoghurt and yoghurt preparations; probiotic products in this class and/or products incorporating probiotic and/or bacteriological cultures, substances or preparations; drinking yoghurt and non-alcoholic drinks containing yoghurt and/or probiotic and/or bacteriological cultures, substances or preparations; dessert products in this class (dairy products predominating); dairy snacks (milk and dairy products predominating); whey; casein; food spreads consisting principally of dairy products; food preservatives in this class; jellies for food; custard in this class; food dips in this class.
- 32 Mineral and aerated waters and other non-alcoholic drinks; bottled and packaged water; still water; sparkling water; spring water; purified water; flavoured water; water containing fruit juice or fruit flavourings; fortified water; whey beverages; isotonic beverages; hydrolysed beverages; fruit drinks and fruit juices; fruit based drinks; fruit flavoured non-alcoholic drinks; smoothies (fruit beverages, fruit predominating); fruit juice concentrates; vegetable juices; energy drinks; sports drinks; cordials; soft drinks; non-alcoholic drinks in this class consisting partially of milk starter cultures; preparations for making beverages; syrups, powders, concentrates and other preparations and substances used in the manufacture of non-alcoholic beverages.





# Global Design Database

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

**SEARCH BY**

Design Names Numbers Dates Country

Indication of Products =

Design class =

Description =

**search**

**FILTER BY**

Source Designation Locarno Class Reg. Year \*

US	778,200	JP	518,868	CA	157,875	ES	110,744	NZ	46,049	CH	33,561
FR	20,553	DE	20,348	BX	19,631	BE	19,631	NL	19,631	LU	19,631
IT	19,274	EM	16,896	EG	14,468	TN	14,100	MC	10,413	MA	10,255
TR	9,994	LI	9,911	GR	9,902	ID	9,466	VA	8,293	ME	7,448
UA	7,393	RS	7,174	MK	7,160	HU	6,873	SI	6,746	AN	6,201
SG	6,125	RO	5,469	MD	5,442	HR	4,587	KP	4,548	NO	4,337
BG	4,330	MN	4,024	BQ	3,808	CW	3,808	SX	3,807	GE	3,323

Display: List Sort: Count - desc **filter**

1 - 10 / 1,641,360 edit columns 10 per page 1 / 164,136

Reg. No	Source	Holder	Reg. Date	Locarno Cl.	National Cl.	Ind. Prod.	Designations	Designs	Image
421902	NZID	FCA Italy S.p.A.	2017-01-31	21-01		Scale Car Model	NZ	1	
421901	NZID	FCA Italy S.p.A.	2017-01-31	12-08		Car	NZ	1	
422390	NZID	UAM Pty Ltd	2017-01-31	25-01		Reinforcement nail	NZ	1	
422388	NZID	UAM Pty Ltd	2017-01-31	25-01		Reinforcement nail	NZ	1	
422389	NZID	UAM Pty Ltd	2017-01-31	25-01		Reinforcement nail	NZ	1	
ES700000000524754	ESID		2017-01-27	32-00		Ornamentación	ES	1	
ES700000000524758	ESID		2017-01-27	25-99		MOBILIARIO URBANO	ES	10	

<https://www.wipo.int/designdb>

# Why should you do a design search

- Does it already exist?
- Is it distinctive?
- Is anyone infringing my design?
- What are the market trends?



# Global Design Database

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## SEARCH BY

Title  **Names**  Holders  Dates  Country

Holder = "pacific helmets"

Creator =

Representative =

Suggest matches  
 -HOL "pacific helmets"

## FILTER BY

Source	Designation	Locarno Class	Reg. Year *
CA Designs	0	CN Designs	0
ES Designs	0	FR Designs	1
JF Designs	0	JO Designs	0
MN Designs	0	MY Designs	0
US Designs	0	WO Designs	0
DE Designs	1	EH Designs	1
GE Designs	0	ID Designs	0
MD Designs	0	MK Designs	0
NZ Designs	8	TH Designs	0

Display:  Sort:

Sort by

- RZID**  
**406190**  
 a support for a rotatable holder and support assembly  
 2006-01-17  
 PACIFIC HELMETS NZ LIMITED
- RZID**  
**405466**  
 a helmet  
 2007-10-18  
 PACIFIC HELMETS NZ LIMITED
- EMID**  
**000765710-0001**  
 Protective helmets (part of -)  
 2007-04-25



# Global Design Database

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## SEARCH BY

Design Names Numbers Dates Country

Holder - "pacific helmets"

Creator -

Representative -

search

HOL "pacific helmets"

## FILTER BY

Source Designation Locarno Class Reg. Year #

CA Designs	0	FR Designs	1	GE Designs	0	EH Designs	1
ES Designs	0	JP Designs	0	MD Designs	0	FI Designs	0
IN Designs	0	MY Designs	0	NZ Designs	0	HK Designs	0
IS Designs	0	WO Designs	0	TH Designs	0		

Display: [List] Sort: Value - asc

filter

1 - 18 / 11 Display: 10 per page

NZID  
438159  
 a support for a rotatable holder and support assembly  
2000-01-17  
PACIFIC HELMETS NZ LIMITED

NZID  
409466  
 a helmet  
2007-10-18  
PACIFIC HELMETS NZ LIMITED

EMO  
000795210-0001  
 Protective helmets (part of -)  
2007-04-05  
Pacific Helmets NZ Limited, Legal Entity

NZID  
817354

SEARCH BY

Design Names Numbers Dates Country

Holder \* "pacific helmets"

Creator \*

Representative \*

search

CURRENT SEARCH

HOL "pacific helmets"

FILTER BY

Source Designator Locarno Class Reg. Year

2007

Display: List Sort: Value - desc

filter

CURRENT FILTER

SOURCE NZID RD 2007

1 - 2 / 2

Display: 10 per page

1 / 1

Sort by: Reg. Date - desc

- NZID 409466  
a helmet  
2007-10-18  
PACIFIC HELMETS NZ LIMITED
- NZID 407364  
a set of supports for a ratchet holder and support assembly  
2007-01-11  
PACIFIC HELMETS NZ LIMITED

1 - 2 / 2

Display: 10 per page

1 / 1

download report PDF CSV REX HTML XML

1) National Registration Number

409466

Filing Date of the Application

2007-08-31

5) Date of the national registration

2007-11-30

8) Expected expiration date of the registration/renewal

2012-07-24

8) Number of designs included in the national registration

1

4) Indication of products

a helmet

Statement of Novelty

Application is for a design to be applied to a helmet. The novelty claimed for the design resides in the features of shape and/or configuration of the visors as shown in the representations.

1) Class and subclass of the Locarno Classification

02.03.027

0) Identification of parties concerned with the application or registration

Address for service: Aon Centre

Level 22, 1 Willis Street, Wellington 6011

3) Name and address of the holder(s)

PACIFIC HELMETS NZ LIMITED

Physical Address: 315 Heads Road

Castlediff, Wanganui 4501 (NZ)

Postal Address: 315 Heads Road

Castlediff, Wanganui 4501 (NZ)

4) Name and address of representative

AJ PARK

Physical Address: Aon Centre

Level 22, 1 Willis Street, Wellington 6011 (NZ)

Postal Address: PO Box 949

Wellington 6140 (NZ)

helmet

447,448



Configuration 1  
Side View



447,449



Configuration 2  
Side View



Configuration 2  
Front View

447,446



Configuration 3  
Side View



Configuration 3  
Front View



Configuration 1  
Front Perspective View

# Different seaches available

## SEARCH BY

Design

Names

Numbers

Dates

Country

Indication of  
Products ▼ =

Design class ▼ =



Description ▼ =

search 🔍

CURRENT SEARCH

# Narrowing down the results

**FILTER BY**

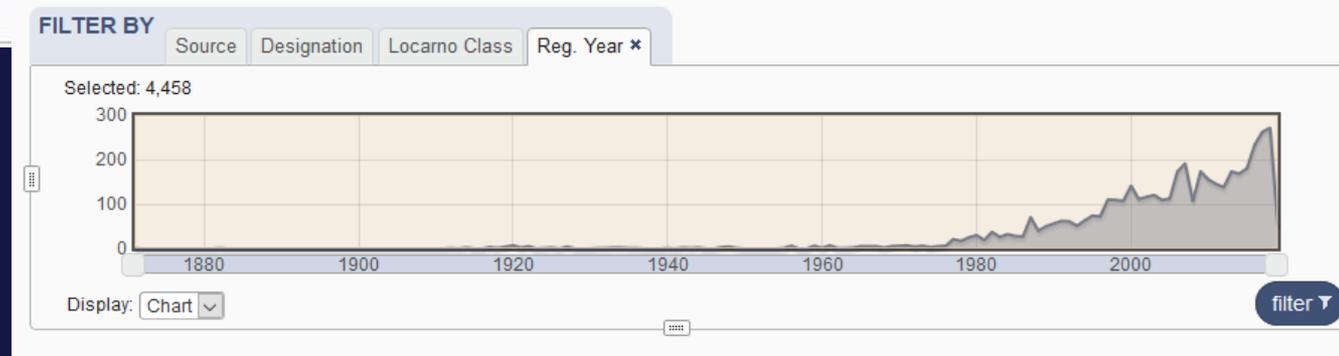
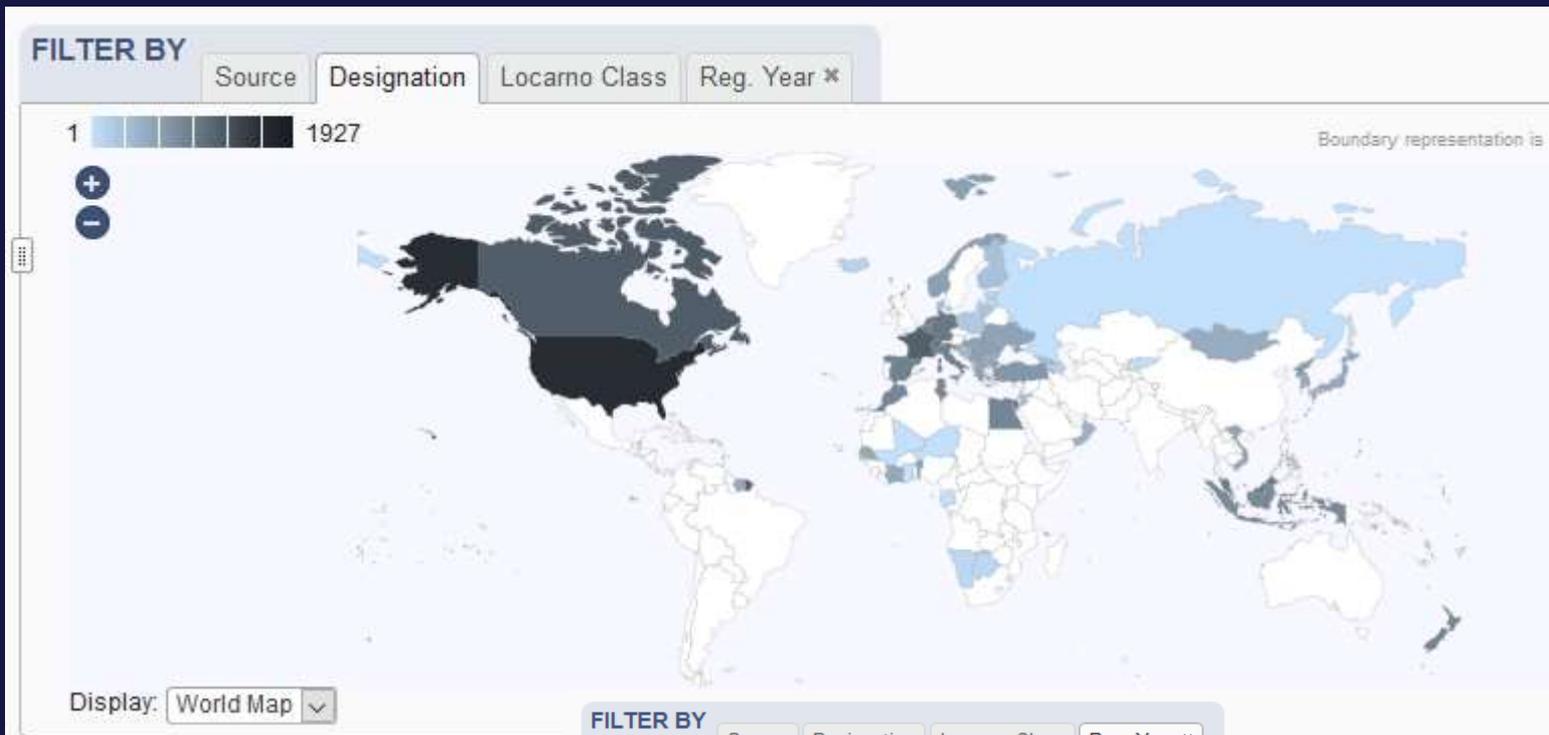
Source Designation Locarno Class Reg. Year \*

CA Designs	107	CN Designs	0	DE Designs	0	EM Designs	20
ES Designs	0	FR Designs	0	GE Designs	2	ID Designs	1
JP Designs	0	JO Designs	0	MD Designs	0	MK Designs	0
MN Designs	0	MY Designs	2	NZ Designs	14	TN Designs	0
US Designs	354	WO Designs	14				

Display: List ▾ Sort: Value - asc ▾

filter ▾

# Statistical/trend information



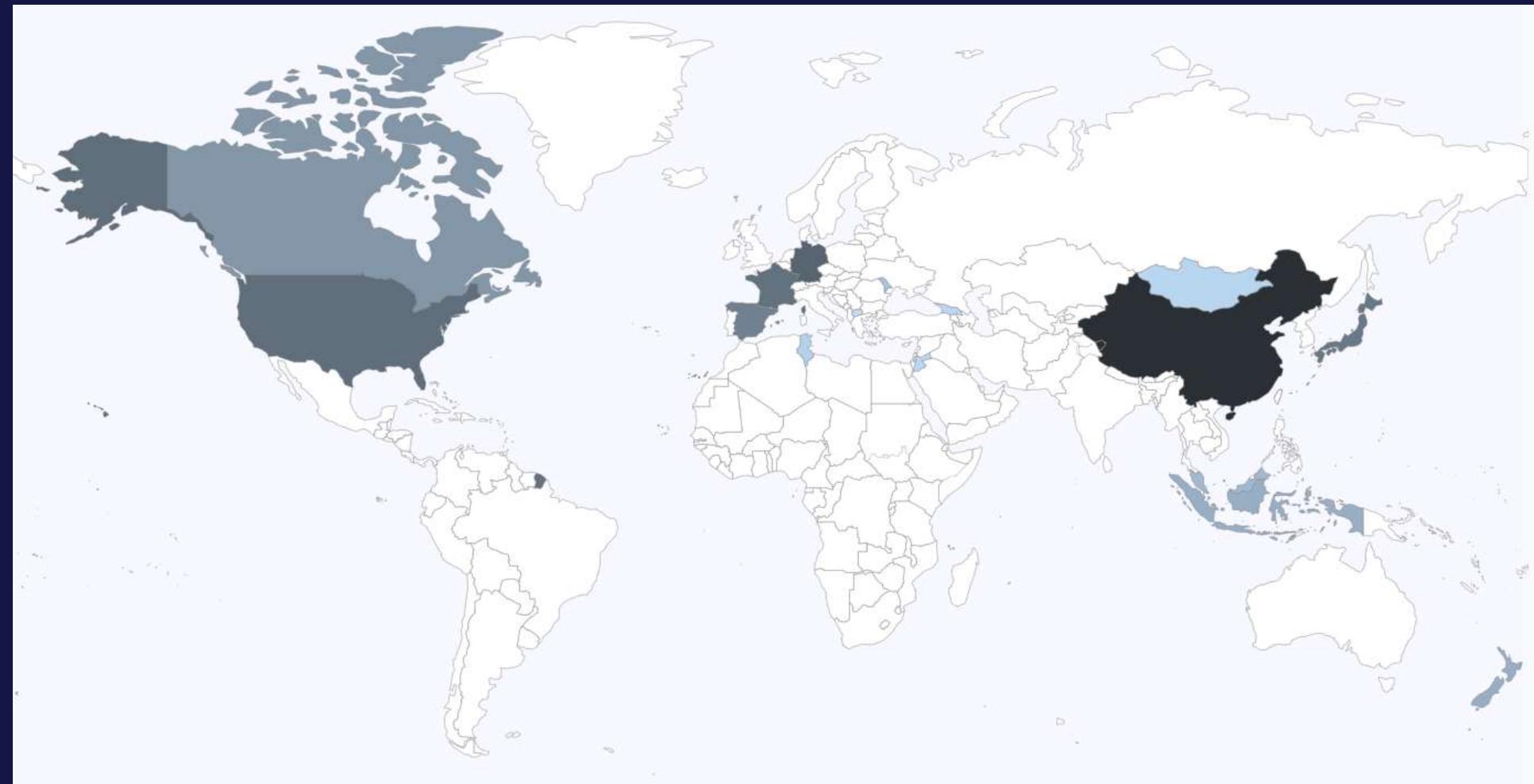
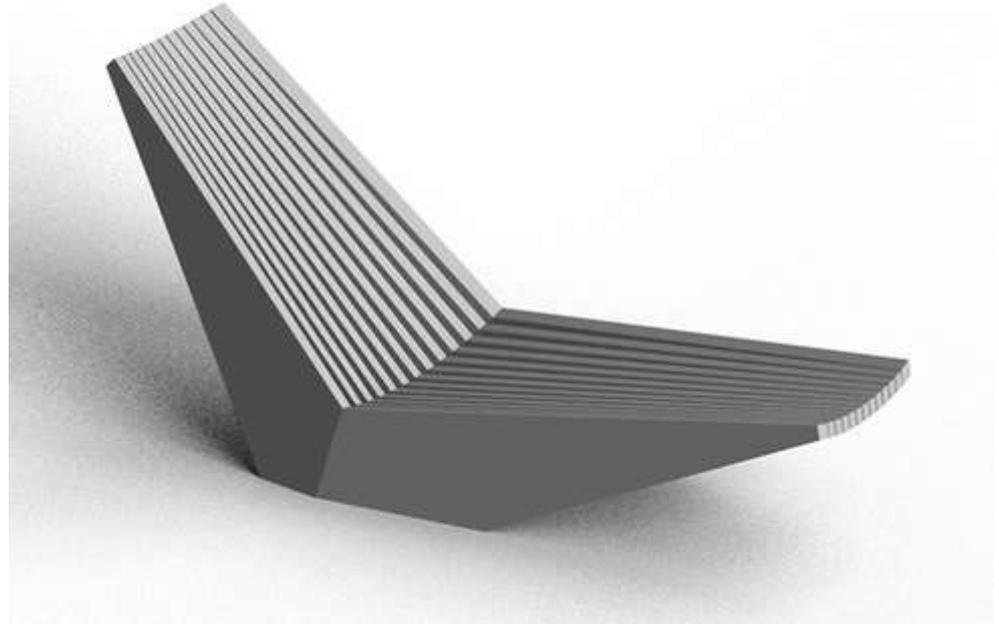
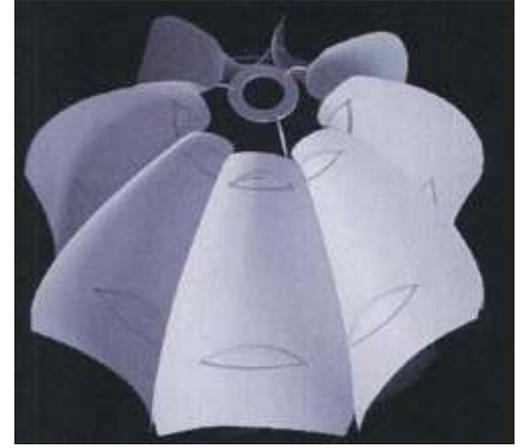
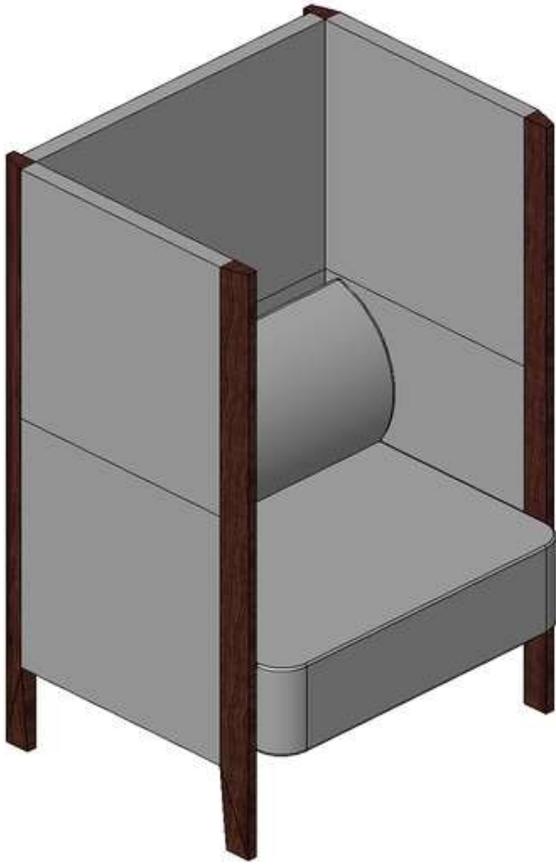






Photo by Robert Coelho on Unsplash



the  
good  
stuff.



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in the Fight Against  
Neglected Tropical Diseases

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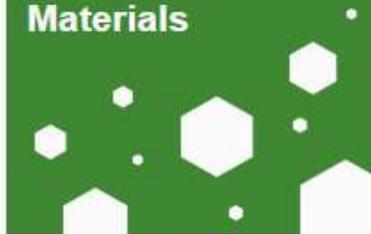
US National Institutes  
of Health (NIH)



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- 91- 100
- ...
- 131-133
- »

## Design of intensified processes for producing dichlorohydrin and epichlorohydrin

Dichlorohydrin is an important intermediate for synthesizing epichlorohydrin, a high volume of commodity chemical largely utilized in the production of epoxy resins. In this project, green processes using a atom-efficient and environment-friendly route are used to synthesize dichlorohydrin by reacting glycerol, an available by-product in the biodie ...

**Last updated:** February 06, 2018  
**Submitted by:** IIPCC

## Super self-cleaning material

The Super Self-cleaning Coating is developed and produced by Neatriton Technology Inc.,



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FUJITSU LTD.

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■ Video: <https://www3.wipo.int/wipogreen/en/joinus/>

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ESTs are currently scattered widely across the IPC in numerous technical fields. The Inventory attempts to collect them in one place.

**Warning** - the Inventory does not purport to be fully exhaustive in its coverage.

## Tips!

- The ESTs are presented in a hierarchical structure. Click on the ▶ sign to open the hierarchy.
- The links in the "IPC" column will take you to the corresponding place in the scheme.
- The links in the PATENTSCOPE column let you automatically search and display all international patent applications available through PATENTSCOPE which are classified in the relevant IPC place. Note: search results may include irrelevant results not relating to the EST.

▶ [More tips](#)

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▶ Bio-fuels		
Integrated gasification combined cycle (IGCC)	<a href="#">C10L 3/00</a> <a href="#">F02C 3/28</a>	<a href="#">C10L 3/00</a> <a href="#">F02C 3/28</a>
▶ Fuel cells	<a href="#">H01M 4/86-4/98</a> , <a href="#">8/00-8/24</a> , <a href="#">12/00-12/08</a>	<a href="#">H01M 4/86-4/98</a> , <a href="#">8/00-8/24</a> , <a href="#">12/00-12/08</a>
Pyrolysis or gasification of biomass	<a href="#">C10B 53/00</a> <a href="#">C10J</a>	<a href="#">C10B 53/00</a> <a href="#">C10J</a>
▶ Harnessing energy from manmade waste		
▶ Hydro energy		
Ocean thermal energy conversion (OTEC)	<a href="#">F03G 7/05</a>	<a href="#">F03G 7/05</a>
▶ Wind energy	<a href="#">F03D</a>	<a href="#">F03D</a>
▶ Solar energy	<a href="#">F24S</a> <a href="#">H02S</a>	<a href="#">F24S</a> <a href="#">H02S</a>
▶ Geothermal energy	<a href="#">F24T</a>	<a href="#">F24T</a>
▶ Other production or use of heat, not derived from combustion, e.g. natural heat	<a href="#">F24T 10/00-50/00</a> <a href="#">F24V 30/00-50/00</a>	<a href="#">F24T 10/00-50/00</a> <a href="#">F24V 30/00-50/00</a>
▶ Using waste heat		
Devices for producing mechanical power from muscle energy	<a href="#">F03G 5/00-5/08</a>	<a href="#">F03G 5/00-5/08</a>

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[Denmark: Act on Amendment of the Patent Act No. 1533 of December 18, 2010](#)

[The Collective Marks Act \(Act No. 1533 of December 18, 2010\)](#)

# New Zealand - competition

## WIPO Lex Search

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Competition

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**IP-related Multilateral Treaties (3 texts)**



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sandrine.ammann@wipo.int

