

PATENTSCOPE summer course

Session 2: stemming, wildcards, fuzzy searches, caret

Session 2

- Wildcards, stemming, fuzzy searches, caret

Session 3 August 11, 2021

- Results, NPL, families

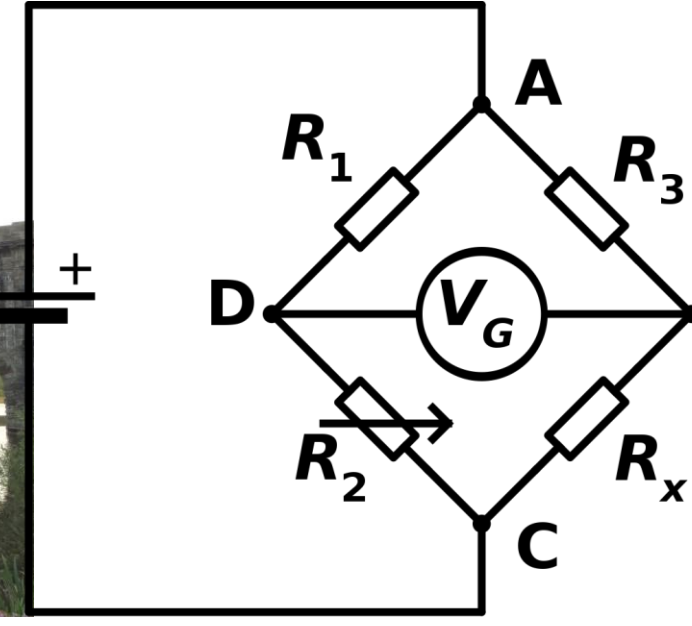
Session 4 August 24, 2021

- chemical searches and combination of all the studied features during summer course

Format

- Review theory related to use of keywords
- Practical exercises in PATENTSCOPE <https://patentscope.wipo.int> :
 - a search query or question will be asked
 - a few minutes will be given to participants
 - answer will be provided
 - use the chat to ask question
- Q & A

Context



Territoriality

- British English vs American English: aluminium aluminium
- Also in terminology used: hood/bonnet – trunk/boot- rubber/eraser

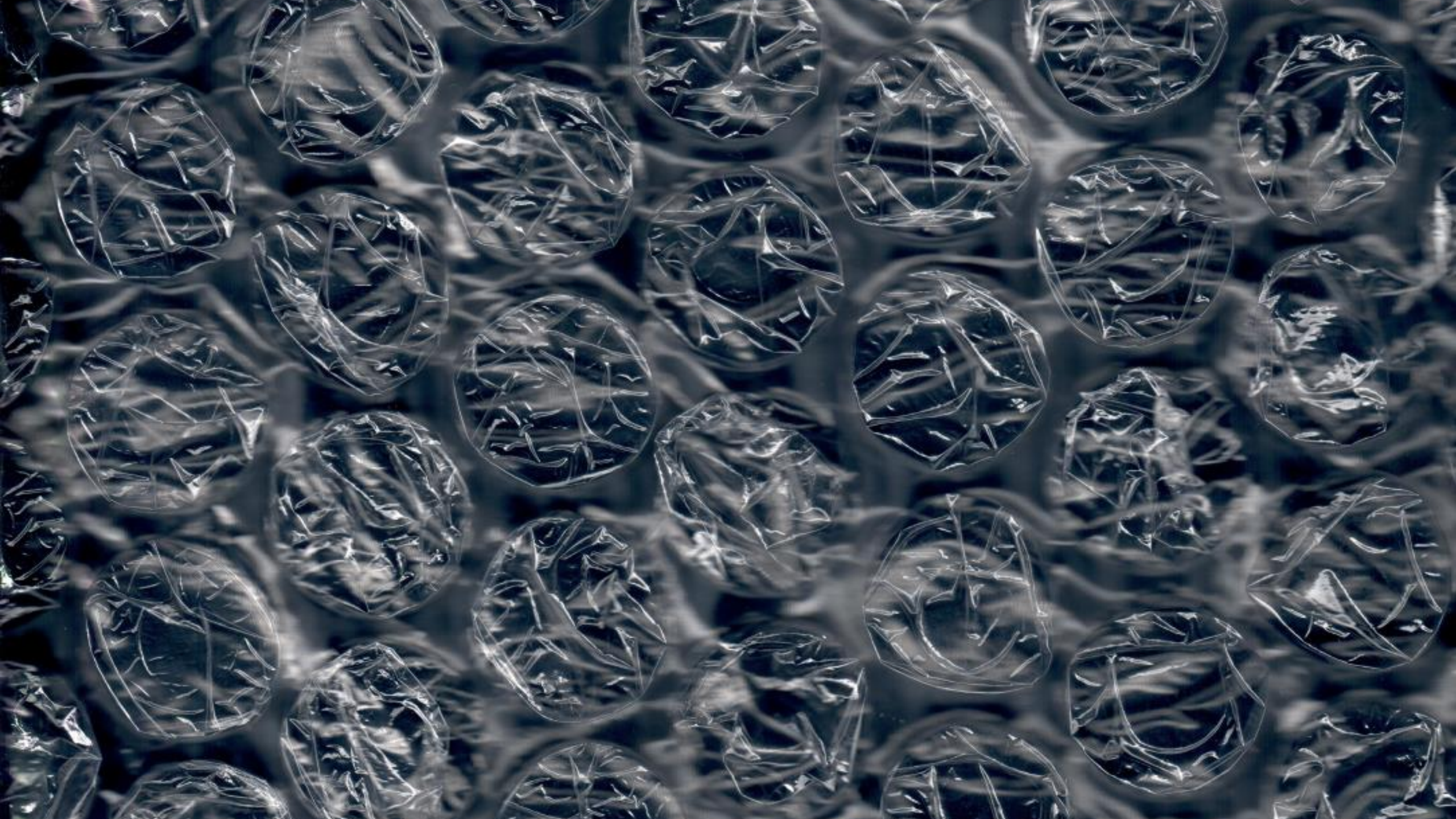
Terminology

- Evolves with time

bicycle = velocipede

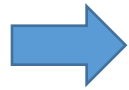
airport = aerodrome

- Patent specific

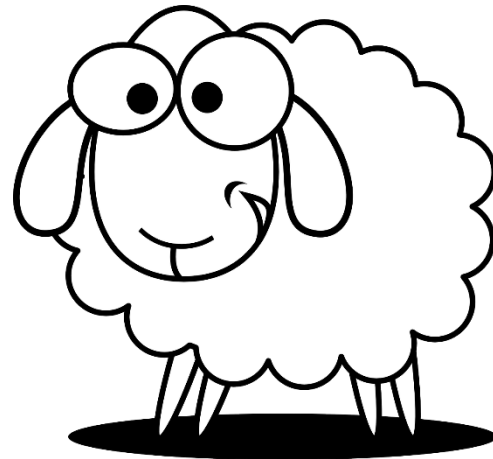


Synonyms/other languages & translation

- Cell phone, mobile phone, smartphone....what else?
- hydraulic ram



water sheep



By The original uploader was William M. Connolley at English Wikipedia

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Exercise

How to describe in other words:

1. windshield wiper blades
2. smartphone
3. glass (to drink)
4. airplane
5. pen

1. Windshield wiper blades: window cleaning device
2. Smartphone: handheld device, portable communication device
3. Glass: drinking vessel, drinking container
4. Airplane: flying machine, aeroplane, air ship, air vessel
5. Pen: ball point, ballpoint, writing instrument, writing device, writing implement

What is the invention?

1. AU2001100012 - CIRCULAR TRANSPORTATION FACILITATION DEVICE

[National Biblio. Data](#) [Description](#) [Claims](#) [Drawings](#) [Documents](#)

[PermaLink](#) [Machine translation](#) ▼

Office

Australia

Application Number

2001100012

Application Date

24.05.2001

Publication Number

2001100012

Publication Date

02.08.2001

Publication Kind

A

IPC

B60B 1/00

Applicants

Keogh, John Michael

Inventors

Keogh, John Michael

Agents

Sandercock & Cowie

Title

[EN] Circular transportation facilitation device

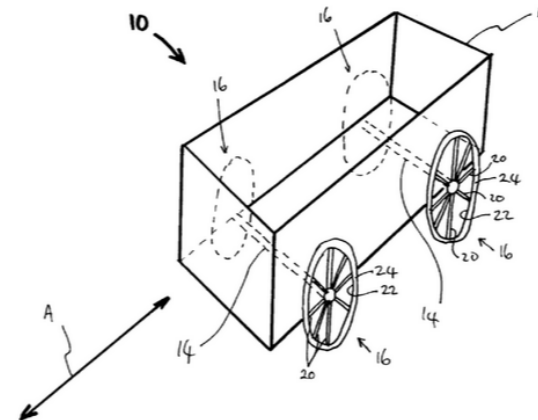


FIGURE 1

Abstract

[EN]

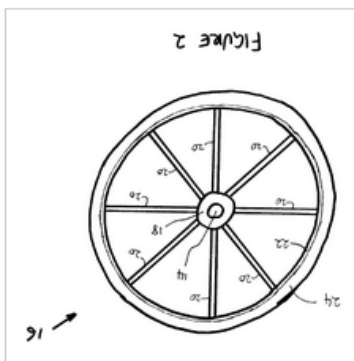
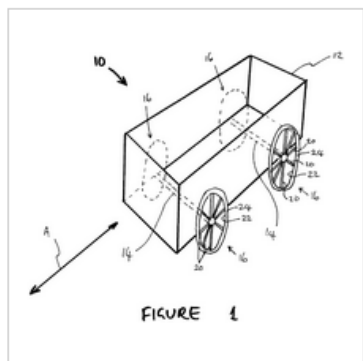
In accordance with a first aspect of the present invention, there is provided a transportation facilitation device including a circular rim, a bearing in which a hollow cylindrical member is rotatable about a rod situated within the hollow cylindrical member, and a series of connecting members connecting the circular rim with the hollow cylindrical member to maintain the circular rim and the hollow cylindrical member in substantially fixed relation, wherein the rod is positioned on an axis perpendicular to the plane of the circular rim, and substantially central of the circular rim. 10523.A: \333keogh, innovaion.wpd.6 S'0000

1. AU2001100012 - CIRCULAR TRANSPORTATION FACILITATION DEVICE



National Biblio. Data Description Claims Drawings Documents

[PermaLink](#)

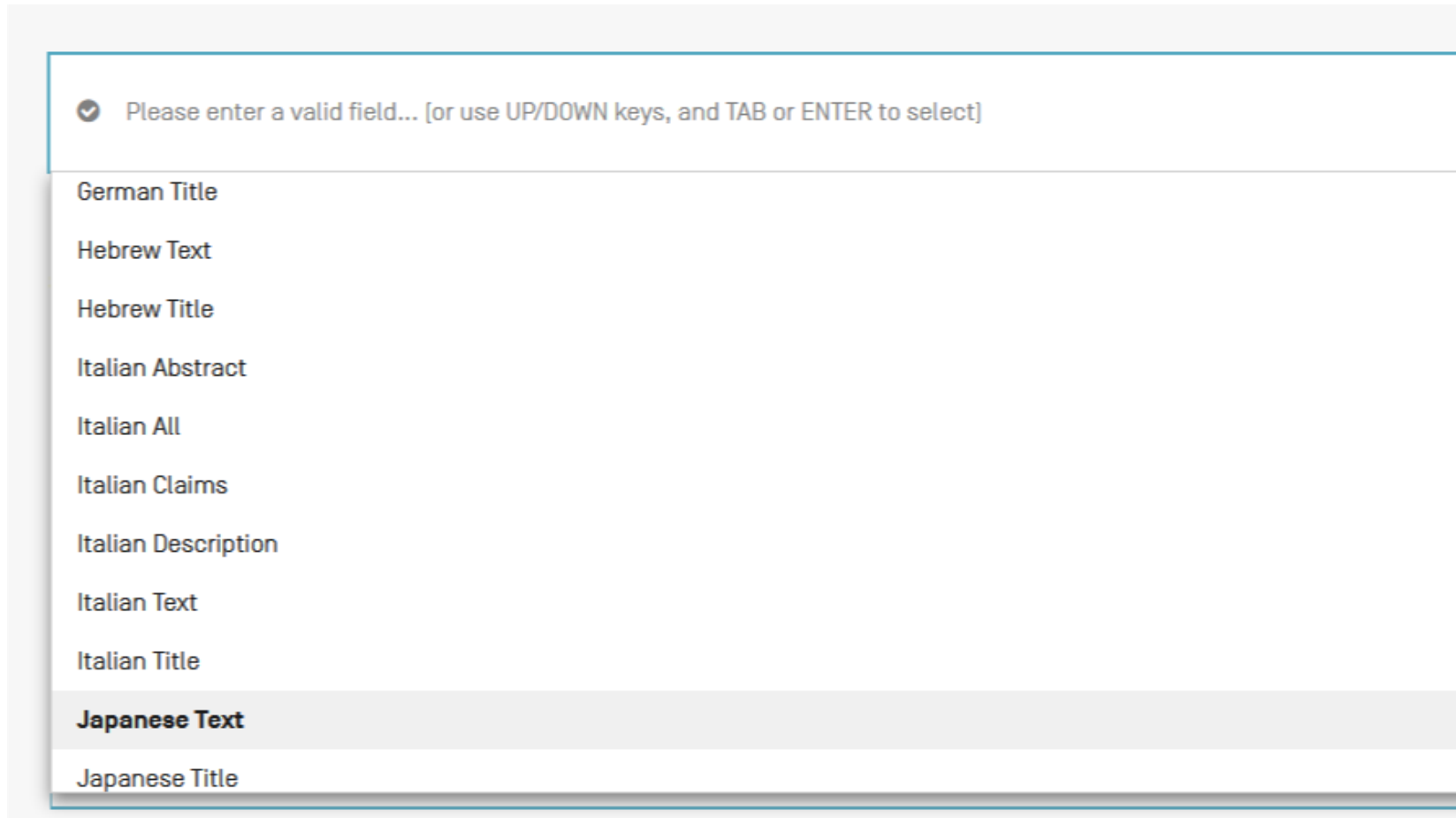


Mistakes, double meaning, faux amis etc.

- Spelling mistakes
- Faux amis
- Different meaning
- Same word for verb and noun
- Compounds: 1 or 2 words

Fields for keyword searches

- Abstract and full-text



A screenshot of a search interface showing a dropdown menu. The menu is open, displaying a list of search fields. The top of the menu has a placeholder text: "Please enter a valid field... [or use UP/DOWN keys, and TAB or ENTER to select]". Below this, the following options are listed:

- German Title
- Hebrew Text
- Hebrew Title
- Italian Abstract
- Italian All
- Italian Claims
- Italian Description
- Italian Text
- Italian Title
- Japanese Text** (highlighted)
- Japanese Title

Full-text in PATENTSCOPE

- All collections
- All filing languages, such as Arabic, Bulgarian, Cambodian, Chinese, Danish, English, Estonian, French, German, Greek, Hebrew, Italian, Japanese, Korean, Laotian, Portuguese, Romanian, Russian, Spanish, Thai, Vietnamese, etc.

Operators: NEAR, BEFORE, ANDNOT...

- Useful to indicate order and to eliminate terms

bridge ANDNOT tooth



stemming

Definition by Wikipedia: In [linguistic morphology](#) and [information retrieval](#), **stemming** is the **process of reducing** inflected (or sometimes derived) **words to their word stem, base or root form**—generally a written word form. The stem need not be identical to the [morphological root](#) of the word; it is usually sufficient that related words map to the same stem, even if this stem is not in itself a valid root.

electric

electric
electrical
electrically
electricity
electrics

electricly
electrization
electr

Stemming

FIELD COMBINATION ▾

	Field		Value
	Front Page	▼	Value
Operator AND	Field WIPO Publication Number	▼	Value
Operator AND	Field Application Number	▼	Value
Operator AND	Field Publication Date	▼	Value
Operator AND	Field Abstract	▼	Value
Operator AND	Field Abstract	▼	Is Empty N/A
Operator AND	Field Licensing availability	▼	<input type="checkbox"/>

+ Add another search field - Reset search fields

Offices

All

Languages

All

Stemming

ADVANCED SEARCH ▾

Search terms...

+ Expand with related terms

Offices

All

Languages

All

Stemming

Single Family Member

Include NPL

Search without stemming

EN_AB:(shaving head)

3,347 results Offices all Languages all Stemming false Single Family Member false Include NPL false

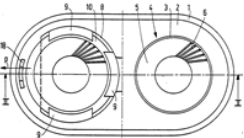
Sort: Relevance Per page: 100 View: All+Image

Download Machine translation

1. **4934051** SHAVING APPARATUS WITH A DETACHABLE HEAD US - 19.06.1990

Int.Class [B26B 19/14](#) Appl.No 07249611 Applicant U.S. Philips Corp. Inventor Labrijn Hans

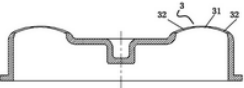
A shaving apparatus is provided which comprises a housing having a detachable shaving head which has at least one opening for a shaving unit, which shaving unit comprises an external shaving member formed with hair entry apertures and an internal shaving member which is drivable relative to the external shaving member. Inside the shaving head a retaining plate is arranged, to which plate the external shaving member is detachably secured, the internal shaving member being retained between the external shaving member and the retaining plate. The retaining plate is secured to the housing so as to be detachable independently of the shaving head and the shaving head is movable both relative to the housing and relative to the retaining plate with the shaving members.



2. **204295710** SHAVING HEAD COMPONENT OF ROTARY TYPE ELECTRIC SHAVER CN - 29.04.2015

Int.Class [B26B 19/14](#) Appl.No 20142033433.3 Applicant HAINING XINYI ELECTROMECHANICAL CO., LTD. Inventor WU PENGCHENG

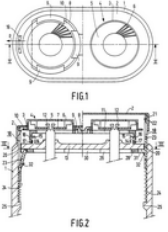
The utility model relates to a shaving head component of a rotary type electric shaver. According to an existing shaving net of the dual-ring shaving head component of the rotary type electric shaver, and a draw bead is used for connecting; accordingly, an effective shaving area is smaller, a shaving net working face attaching to skin is a plane, touching to the skin is incomplete, the effective shaving area is small during working, and the shaving efficiency is low. The shaving head component of the rotary type electric shaver is characterized in that the shaving net comprises at least three concentric shaving ring surfaces, the section of the shaving net forms arched working faces in two sides, and the shaving ring surfaces are arranged on the arched working faces. The arched working faces arranged can make attach to faces effectively and improve shaving comfort level. The shaving net is of an arched shape, the shaving net attaches to the faces effectively, and the shaving comfort level is improved. The attaching area of the shaving net is improved, the effective shaving area is improved, the shaving comfort level is better, and the shaving efficiency and neatness are further improved by the cooperation of the shavers and the shaving net.



3. **0311179** SHAVING APPARATUS EP - 12.04.1989

Int.Class [B26B 19/14](#) Appl.No 88202108 Applicant N.V. PHILIPS' GLOEILAMPENFABRIEKEN Inventor LABRIJN, HANS

A shaving apparatus comprises a housing [1] provided with a detachable shaving head [2] which has at least one opening [3] for a shaving unit [4], which shaving unit [4] comprises an external shaving member [5] formed with hair entry apertures [6], and an internal shaving member [7] which is drivable relative to the external shaving member [5]. Inside the shaving head [2] a retaining plate [8] is arranged, to which plate [8] the external shaving member [5] is detachably secured, the internal shaving member [7] being retained between the external shaving member [5] and the retaining plate [8]. The retaining plate [8] is secured to the housing [1] so as to be detachable independently of the shaving head [2] and the shaving head [2] is movable both relative to the housing [1] and relative to the retaining plate [8] with the shaving members [5, 7].



4. **008910150** COMBINED SHAVING TOOL BIT WITH SKIN CARE AND LUBRICATION FUNCTIONS CN - 03.05.2010

Same search with stemming

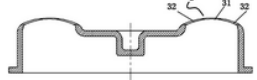
EN_AB:(shaving head)

4,515 results Offices all Languages all Stemming true Single Family Member false Include NPL false

Sort: Relevance Per page: 100 View All+Image < 1/46 > Download Machine translation

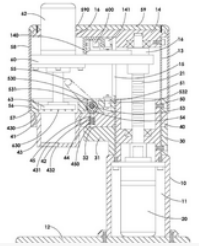
1. **204295710** SHAVING HEAD COMPONENT OF ROTARY TYPE ELECTRIC SHAVER
CN - 29.04.2015
Int.Class B26B 19/14 Appl.No 201420733433.3 Applicant HAINING XINYI ELECTROMECHANICAL CO., LTD. Inventor WU PENGCHENG

The utility model relates to a shaving head component of a rotary type electric shaver. According to an existing shaving net of the dual-ring shaving head component of the rotary type electric shaver, and a draw bead is used for connecting; accordingly, an effective shaving area is smaller, a shaving net working face attaching to skin is a plane, touching to the skin is incomplete, the effective shaving area is small during working, and the shaving efficiency is low. The shaving head component of the rotary type electric shaver is characterized in that the shaving net comprises at least three concentric shaving ring surfaces, the section of the shaving net forms arched working faces in two sides, and the shaving ring surfaces are arranged on the arched working faces. The arched working faces arranged can make attach to faces effectively and improve shaving comfort level. The shaving net is of an arched shape, the shaving net attaches to the faces effectively, and the shaving comfort level is improved. The attaching area of the shaving net is improved, the effective shaving area is improved, the shaving comfort level is better, and the shaving efficiency and neatness are further improved by the cooperation of the shavers and the shaving net.



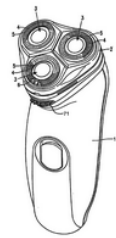
38. **204665781** ICE CRUSHER STRUCTURE
CN - 23.09.2015
Int.Class F25C 5/12 Appl.No 201520184424.8 Applicant LI ZONGZHI Inventor LI ZONGZHI

The utility model provides an ice crusher structure, allow to change the shaved ice head that the pendulum left the shaved ice motor through a shaved ice section of thick bamboo on the load bearing seat, the compounding practice hand [hold] can simply be carried out around the load bearing seat changes the pendulum and lock or the operation of unblock, and, when utilizing the load bearing seat backswing, the location slotted hole embedding production location of supporting seat can be searched voluntarily to the clip head of bolt, facilitate the quick and accurate opposition of shaved ice head of a shaved ice section of thick bamboo, except that favourable ice -cube is devoted oneself to work in a shaved ice section of thick bamboo, the shaved ice head pushes down and drives rotary process to shaved ice section of thick bamboo medium floe, a shaved ice section of thick bamboo is stable provides the ice -cube and holds and put, and the ice -cube beginning shaved ice initial stage, the working face of shaved ice head is close the effect of shaved ice section of thick bamboo entry, when more making the swing arm have the action of decline at the beginning, the production pushed down to the ice -cube during the shaved ice head got into a shaved ice section of thick bamboo promptly fast, and it is rotatory to drive the ice -cube, the action of formation shaved ice, and then can be under the shaved ice operating condition of safety, the action of shaved ice head virtual work or operation stroke time is shortened the loss, obtain good work efficiency.



40. **20060117569** SHAVING APPARATUS
US - 08.06.2006
Int.Class B26B 19/14 Appl.No 10539027 Applicant Koninklijke Philips Electronics N.V. Inventor Van Der Meer Mattheus Jacobus

A shaving apparatus has shaving heads (3) each having an internal cutting member (6) and an associated external cutting member (4); and a drive structure (1) coupled to each of the internal cutting members (6). The external cutting members (4) are each rotatable about an axis of rotation (15) between different shaving positions. The shaving face of each head includes a first shaving field (7) for cutting short hair and a second shaving field (8) for cutting long hair. The shaving fields (7, 8) extend through different segment of the shaving face. For effecting rotation of the external cutting members (4) between the shaving positions, a control member (11) is arranged between the shaving heads (3) and engages the external cutting members (4) of the shaving heads (3) for simultaneously controlling the rotation of the external cutting members (4) of the shaving heads (3).



Exercise

Compare results with and without stemming for

1. *rotating head* in the English abstract
2. *electric* in English abstract
3. *support* in English claims

ADVANCED SEARCH ▼



EN_AB:("rotating head")

Query Assistant [Query Examples](#)



Expand with related terms

Offices

All ▼

Languages

All ▼

Stemming

Single Family Member

Include NPL

Reset

Search

1. **106121554** WATER POWER DUAL-DRIVE INTEGRATED ROTARY GUIDING SHOE

CN - 16.11.2016

Int.Class [E21B 17/14](#) Appl.No 201610726651.8 Applicant TIANJIN LILIN PETROLEUM MACHINERY CO., LTD. Inventor LI DATAO

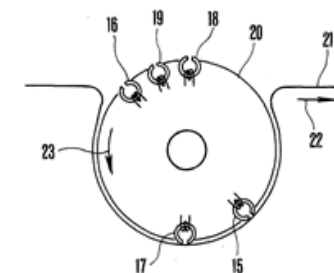
The invention relates to the technical field of petroleum drilling and cementing, in particular to a water power dual-drive integrated rotary guiding shoe. The rotary guiding shoe comprises a main power section, a main **rotating head** and an auxiliary **rotating head**. The main power section is connected with the main **rotating head** through a transmission section to supply power to the main **rotating head**. The auxiliary **rotating head** is arranged at the end of the main **rotating head** in a sleeving mode and is in sliding fit with the main **rotating head**. The auxiliary **rotating head** and the main **rotating head** are provided with ribs correspondingly. The rib of the auxiliary **rotating head** is provided with a water hole. The water hole communicates with pipelines arranged inside the main power section and the main **rotating head**. According to the water power dual-drive integrated rotary guiding shoe, the double **rotating heads** are adopted, the main **rotating head** and the auxiliary **rotating head** are driven by dual power so that the problems of desilting, stepping, necking and the like in an open well can be solved under the shearing action of the ribs on the main **rotating head** and the auxiliary **rotating head**, and resistance and clamping stagnation when tripping of casing pipes are reduced.

2. **4603360** ROTATABLE CYLINDER WITH PLURAL HEADS HAVING DIVERSE AZIMUTH ANGLE GAP ARRANGEMENTS

US - 29.07.1986

Int.Class [G11B 5/008](#) Appl.No 06529964 Applicant Canon Kabushiki Kaisha Inventor Fujiki Makoto

In the disclosed video signal recording and reproducing apparatus, a cylinder member arranged to have a tape-shaped recording medium wound thereon, includes five **rotating heads**. The first head has a specific head width and azimuth angle. The second **rotating head** is approximately equal in head width to the first **rotating head** but differs from the first **rotating head** in azimuth angle. The third **rotating head** has a narrower head width than the first **rotating head** but is equal to the first head in azimuth angle. The fourth **rotating head** is approximately equal in head width to the third **rotating head** and equal in azimuth angle to the second **rotating head** and the fifth **rotating head** is equal in azimuth angle to the third **rotating head**.

3. **111089205** RIGID HOLLOW ROTATING HEAD

CN - 01.05.2020

EN_AB:("rotating head")



8,956 results Offices all Languages all Stemming true Single Family Member false Include NPL false



REFINE OPTIONS

Close

Search

Offices

All



Languages

All



Stemming

Single Family Member

Include NPL

EN_AB:("rotating head")



6,736 results

Offices all

Languages all

Stemming false

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1/68 >

Download ▼ Machine translation ▼

1. **106121554** WATER POWER DUAL-DRIVE INTEGRATED ROTARY GUIDING SHOE

CN - 16.11.2016

Int.Class [E21B 17/14](#) ⓘ Appl.No 201610726651.8 Applicant TIANJIN LILIN PETROLEUM MACHINERY CO., LTD. Inventor LI DATAO

The invention relates to the technical field of petroleum drilling and cementing, in particular to a water power dual-drive integrated rotary guiding shoe. The rotary guiding shoe comprises a main power section, a main **rotating head** and an auxiliary **rotating head**. The main power section is connected with the main **rotating head** through a transmission section to supply power to the main **rotating head**. The auxiliary **rotating head** is arranged at the end of the main **rotating head** in a sleeving mode and is in sliding fit with the main **rotating head**. The auxiliary **rotating head** and the main **rotating head** are provided with ribs correspondingly. The rib of the auxiliary **rotating head** is provided with a water hole. The water hole communicates with pipelines arranged inside the main power section and the main **rotating head**. According to the water power dual-drive integrated rotary guiding shoe, the double rotating heads are adopted, the main **rotating head** and the auxiliary **rotating head** are driven by dual power so that the problems of desilting, stepping, necking and the like in an open well can be solved under the shearing action of the ribs on the main **rotating head** and the auxiliary **rotating head**, and resistance and clamping stagnation when tripping of casing pipes are reduced.

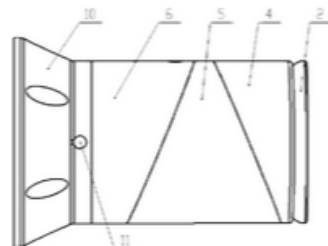


2. **111089205** RIGID HOLLOW ROTATING HEAD

CN - 01.05.2020

Int.Class [F16L 27/02](#) ⓘ Appl.No 201911370362.9 Applicant SICHUAN DONGFANG LONGYUAN POWER EQUIPMENT CO., LTD. Inventor YUAN WEI

The invention discloses a rigid hollow **rotating head**. The rigid hollow **rotating head** comprises a fixing end, one end of the fixing end is connected with one end of a rigid first-level **rotating head** body, the other end of the first-level **rotating head** body is connected with a rigid second-level **rotating head** body and a rigid third-level **rotating head** body in sequence, and motors are installed in the fixing end, the first-level **rotating head** body and the third-level **rotating head** body respectively, and the motors drive the first-level **rotating head** body, the second-level **rotating head** body and the third-level **rotating head** body to rotate any angles respectively. The other end of the third-level **rotating head** body is provided with a sucker, and an internal lining is arranged on the inner wall of the third-level **rotating head** body to be in clamped connection with the sucker. The **rotating head** solves the problems that an existing rotating mechanism is insufficient in rigidity, and consequently, operation in some working conditions cannot be completed, and the rotating mechanism cannot rotate any angles. The **rotating head** is very suitable for pipe bending operation, and the **rotating head** has the advantages of being simple in structure, low in running cost, wide in application, comprehensive in function and the like.



3. **4603360** ROTATABLE CYLINDER WITH PLURAL HEADS HAVING DIVERSE AZIMUTH ANGLE GAP ARRANGEMENTS

US - 29.07.1986

ADVANCED SEARCH ▾



EN_AB:electric

Query Assistant [Query Examples](#)

Expand with related terms

Offices

All



Languages

All



Stemming

Single Family Member

Include NPL

Reset

Search

EN_AB:electric



4,583,955 results

Offices all

Languages all

Stemming true

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 45,840 >

Download ▼ Machine translation ▼

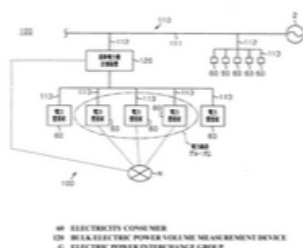
1. WO/2011/055208 ELECTRIC POWER INTERCHANGE SYSTEM

Int.Class H02J 13/00 Appl.No PCT/IB2010/002781 Applicant PANASONIC CORPORATION Inventor TERANO, Masaaki

Disclosed is an electric power interchange system in which electricity generated by individual electricity generation devices is interchanged between electricity consumers who receive an electric power supply from an electric power supply system. The amount of electric power sold by an electricity consumer is defined as a sold electric power amount, and the amount of electric power that the electricity consumer demands from another electricity consumer is defined as a bought electric power amount. Electric power interchange groups are formed, in which electricity consumers who interchange electric power amongst each other are members, and each electricity consumer is provided with an electric power control device which manages the electric power from the electricity generation device. Sold electric power information, indicating the amount of sold electric power, and bought electric power information, indicating the amount of bought electric power, are transmitted to/received from other electricity consumers by the electric power control device, which then carries out electric power trading between the electricity consumers on the basis of the sold electric power information and the bought electric power information. The electric power control device then outputs commands to transfer the sold electric power from the electricity consumer to the electric power supply system on the basis of electric power trade conditions established between the electricity consumer buying the electricity and the electricity consumer selling the electricity.

WO - 12.05.2011

图 1

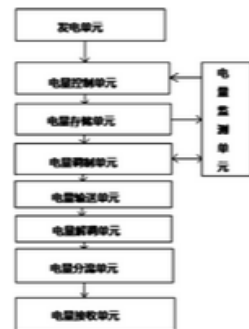


2. 206865229 MONITORING SYSTEM FOR ELECTRIC POWER SYSTEM

Int.Class H02J 13/00 Appl.No 201720670418.2 Applicant CHANGZHOU TEXTILE GARMENT INSTITUTE Inventor YANG YUNMIN

The utility model discloses a monitoring system for electric power system, including electrical cell, electric quantity the control unit, electric quantity memory cell, electric quantity modulation unit, electric quantity monitor cell, electric quantity conveying unit, electric quantity demodulation unit, electric quantity reposition of redundant personnel unit, electric quantity receiving element, electrical cell and electric quantity the control unit are connected, electric quantity the control unit and electric quantity memory cell and electric quantity monitor cell are connected, electric quantity memory cell and electric quantity modulation unit and electric quantity monitor cell are connected, electric quantity modulation unit and electric quantity conveying unit and electric quantity monitor cell are connected, electric quantity conveying unit and electric quantity demodulation unit connection, electric quantity demodulation unit and electric quantity reposition of redundant personnel unit connection, electric quantity reposition of redundant personnel unit is connected with electric quantity receiving element. The utility model discloses can solve the problem that the energy caused serious waste, can play the guard action to electric power system hardware equipment, guarantee electric quantity user electrical safety simultaneously, reduce the power consumption accident.

CN - 09.01.2018



EN_AB:electric



2,479,730 results

Offices all

Languages all

Stemming false

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

1 / 24,798

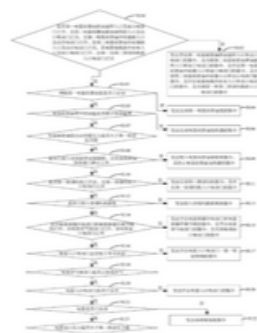
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1. **106168372** THERMAL POWER PLANT ELECTRIC FEED WATER PUMP AND START-STOP CONTROL METHOD THEREOF

CN - 30.11.2016

Int.Class [F22D 5/26](#) Appl.No 201610864356.9 Applicant NORTH CHINA ELECTRICAL POWER RESEARCH INSTITUTE CO., LTD. Inventor REN YAN

The invention provides a thermal power plant **electric** feed water pump and a start-stop control method thereof. The system comprises an **electric** pump feed water system and an **electric** pump lubricating system. The **electric** pump feed water system comprises a deaerator, an **electric** pump, an **electric** pump inlet filter screen, an **electric** pump inlet **electric** door, an **electric** pump outlet check door, an **electric** pump outlet **electric** door, an **electric** pump exhaust **electric** door, an **electric** pump recycling regulating valve and an **electric** pump recycling **electric** door. The **electric** pump comprises an **electric** pump front pump body, an **electric** pump motor, an **electric** pump main pump body and a gearbox, wherein the **electric** pump motor is used for driving the **electric** pump front pump body and the **electric** pump main pump body to work. The **electric** pump inlet filter screen comprises an **electric** pump front pump inlet filter screen body and an **electric** pump main pump body inlet filter screen body. The **electric** pump lubricating system comprises an **electric** pump lubricating oil tank, a first **electric** pump lubricating oil pump body, a second **electric** pump lubricating oil pump body, an **electric** pump lubricating oil heater, a first smoke exhaust fan, a second smoke exhaust fan, a first **electric** pump lubricating oil supply filter screen, a second **electric** pump lubricating oil supply filter screen, a first **electric** pump lubricating oil cooler and a second **electric** pump lubricating oil cooler.

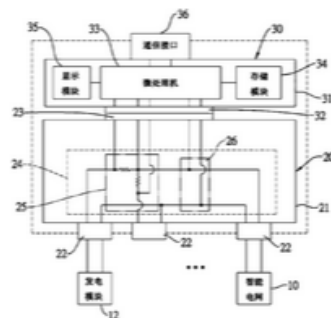


2. **103543308** PERSONALIZED ELECTRIC ENERGY RESOURCE MANAGEMENT SYSTEM AND PORTABLE MICRO ELECTRIC METER THEREOF

CN - 29.01.2014

Int.Class [G01R 11/00](#) Appl.No 201210245268.2 Applicant 姚立和 Inventor 姚立和

The invention provides a personalized **electric** energy resource management system and a portable micro **electric** meter thereof. The portable micro **electric** meter comprises an **electric** energy detection device connected with a plurality of **electric** flux connectors and an **electric** energy recording device selectively connected to the **electric** energy detection device; the **electric** energy detection device detects **electric** energy flowing through each **electric** flux connector, and receives and stores information of the **electric** energy flowing through the **electric** flux connectors of the **electric** energy detection device. Since the **electric** flux connectors of the portable micro **electric** meter record the **electric** energy flowing through the **electric** flux connectors, the **electric** energy, especially **electric** energy fed to a smart power grid, can be recorded; since the **electric** energy recording device is selectively connected to the **electric** energy detection device, the portable micro **electric** meter can be used for non-specific **electric** power generation equipment repeatedly.



ADVANCED SEARCH ▼

EN_CL:support

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+ Expand with related terms

Offices

All



Languages

All



Stemming

Single Family Member

Include NPL

Reset

Search

EN_CL:support



3,115,861 results

Offices all

Languages all

Stemming true

Single Family Member false

Include NPL false



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< 1 / 31,159 >

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1. [2645772](#) COLLAPSIBLE SUPPORT APPARATUS AND METHODS

CA - 05.06.2009

Int.Class [A01G 9/12](#) ⓘ Appl.No 2645772 Applicant TAGAWA GREENHOUSE ENTERPRISES, LLC Inventor TAGAWA, RANDALL E.

Methods and apparatus may permit the propagation and distribution of plants, or merely storage and/or shipment of items, in a space efficient manner. Individual apparatus may be stacked in a rack system. Space between individual stacked apparatus may be varied to accommodate plants of various sizes and permit varying degrees of air flow. Individual apparatus may be collapsed into smaller units without removable hardware and with all components remaining connected at all times. Apparatus may be delivered in a fully assembled stated and returned in a state of reduced size, minimizing transportation costs and efficiently utilizing transportation resources.

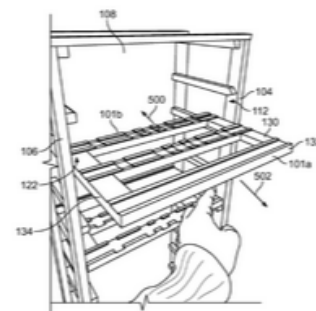


2. [09414671](#) BOTTLE RACK ASSEMBLY

US - 16.08.2016

Int.Class [A47B 73/00](#) ⓘ Appl.No 14863738 Applicant Bonnie Krensavage Smith Inventor Bonnie Krensavage Smith

A bottle rack assembly selectively supports one or more bottles. The bottle rack assembly includes a first support structure defining a first opening and a second support structure defining a second opening. The bottle rack assembly includes a support shelf that is received within the first opening of the first support structure and within the second opening of the second support structure such that the support shelf is supported between the first support structure and the second support structure. The support shelf includes a first support platform extending along a first support direction that is substantially perpendicular to a first direction and a second direction along which the first support structure and the second support structure extend. The first support platform defines a first support channel defined within a first upper surface of the first support platform.



3. [20040012240](#) SELF STRETCHING LOW-BACK OCCUPANT SUPPORT

US - 22.01.2004

Int.Class [A47C 7/02](#) ⓘ Appl.No 10197126 Applicant Milliken & Company Inventor Hall, Jr., William Fred



EN_CL:support

1,886,721 results

Offices all

Languages all

Stemming false

Single Family Member false

Include NPL false



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1/18,868 >

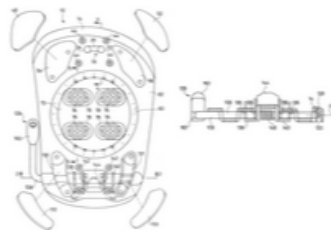
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1. [6386574](#) SNOWBOARD BOOT BINDING

US - 14.05.2002

Int.Class [A63C 9/10](#) [?](#) Appl.No 09419003 Applicant Shimano, Inc. Inventor Tanaka, Toshiyuki

A support for a snowboard boot binding includes a support member having a first support surface extending on a first side of a support axis, wherein the first support surface is concave relative to the support axis, and wherein the first support surface extends less than 360° around the support axis. A second support surface is disposed on a second side of the support axis. The first and second support surfaces are configured such that they are capable of radially retaining a cleat engagement control shaft.

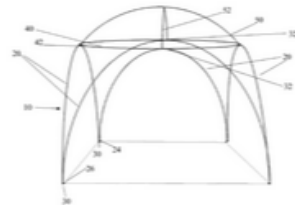


2. [20070125410](#) SUPPORT SYSTEM FOR SHELTERS

US - 07.06.2007

Int.Class [E04H 15/32](#) [?](#) Appl.No 11164732 Applicant Let's Go Aero, Inc. Inventor Williams Marty

A support system for tents and other shelters. The support system includes base support members that are in the shape of an arch. These base support members are secured in a desired configuration by an upper support member that is in the shape of a circle or other geometrical shape. A roof support may be added as well. The size and configuration of the shelter may be easily changed by adding or deleting the number of base support members.



3. [20040012240](#) SELF STRETCHING LOW-BACK OCCUPANT SUPPORT

US - 22.01.2004

Int.Class [A47C 7/02](#) [?](#) Appl.No 10197126 Applicant Milliken & Company Inventor Hall, Jr., William Fred

A seat structure having an elastomeric fabric connected to spaced apart support members which are pivotally secured to a support plate to allow one or both of said spaced apart support members to be pivoted away from the other to provide a desired tension in the elastomeric fabric.



Stemming vs wildcards

Wildcards/truncation : ? *

* stands for 0 or more characters

? stands single character

te?t = test or text

electric* = electrical; electricity

behavi*r = behaviour or behavior

micro?p* = microspeaker, microsporidial

Use of wildcards

- Spelling uncertainty (plural, tenses, foreign words):
tyre vs. tire ➡ t*re
University vs Universität ➡ Universit* Stuttgart
- Multiple spelling variants are known:
color vs. colour ➡ col*
- Preferred option over stemming:
electric vs. electricity ➡ electri*

Stemming vs wildcard

Logic results:

- [*navy, navies* or *naval*] if *nav** → *navigating, navigation* ✓
- [*electricity* or *electric*] if *elect** → *electoral* ✗

WILDCARD VS STEMMING

This page shows the different result a wildcard matches as opposed to using the stemming option

Enter a word



Compare to

Stemming	Wildcard *
No records found.	No records found.

Stemming electric	Wildcard electric*
electric	electric
electrical	electrical
electrically	electrically
electricity	electricity
electrics	electrician
electricly	electricelectric
electrization	electrico
electr	electrica
	electrics
	electricians
	electricly
	electricos
	electricas
	electricamente
	electricity
	electricallyinsulating
	electricalsignal
	electricaly
	electricarc

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PATENTSCOPE NEWS

- [National Collection of Kazakhstan, Estonian Full-Text and New NPL Now Available in Patentscope](#) [Apr 27, 2021]
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- [New National Collections and Global Dossier Information Now Available in Patentscope](#) [Dec 15, 2020]

LATEST NEWSLETTER

Exercise

Compare results with stemming and wildcards

1. display – display*
2. centrifugal - centrifugal*
3. mold – mold*
4. detect – detect*
5. cleaning – cleaning* / clean – clean*

Enter a word

display



Compare to

Stemming display

Wildcard display*

display

display

displaying

displaying

displays

displays

displayed

displayed

displayer

displayer

displayable

displayable

displayport

displaydevice

displayng

displaysystem

Enter a word
centrifugal



Compare to

Stemming centrifugal

Wildcard centrifugal*

centrifugal

centrifugal

centrifuge

centrifugally

centrifugation

centrifugals

centrifugally

centrifuging

centrifuges

centrifuged

centrifugals

centrifuger

centrifugable

Stemming mold	Wildcard mold*
molding	molding
mold	mold
molded	molded
molds	molds
moldings	moldings
molde	moldable
moldingly	moldability
	molder
	moldboard
	molders
	moldeo
	moldeado
	molde

detection	detection
detecting	detecting
detect	detector
detects	detect
detected	detects
detectable	detected
detective	detectors
detections	detectable
detectability	detective
detector	detections
detectably	detectability
detectors	detectar
detectible	detector
	detectably
	detectors
	detectible

cleaning	cleaning
clean	cleaner
cleaned	clean
cleans	cleansing
cleanness	cleaners
cleanly	cleanser
cleanses	cleaned
cleanings	cleanliness
	cleanable
	cleans
	cleanup
	cleanout
	cleanness
	cleanly
	cleanroom
	cleansers

Enter a word
cleaning



Compare to

Stemming cleaning

Wildcard cleaning*

cleaning

cleaning

clean

cleaninga

cleaned

cleanings

cleans

cleanness

cleanly

cleanses

cleanings

Fuzzy searches

Use of the tilde: ~

Examples:

roam~ → foam / roams

Roam~0.8



Useful to find misstpyed, misspelt or mis-OCRed words

Exercises

- What are words are found when performing a fuzzy search of:

1. *coarse*

2. *brak*

3. *race*

4. *bear*

5. *sulfur*

**11. 20110020347 ANTI-BRAK [CXCL14] HUMAN MONOCLONAL ANTIBODY AND USE THEREOF**

US - 27.01.2011

Int.Class A61K 39/395 Appl.No 12525754 Applicant Hara Takahiko Inventor Hara Takahiko

Disclosed is an antibody which can recognize BRAK [CXCL14]. Also disclosed is use of the antibody. The antibody can recognize a polypeptide comprising an amino acid sequence depicted in SEQ ID NO:1 or 2, a derivative thereof, or a partial peptide of the polypeptide or the derivative.

17. 1154127 ANTI-THEFT APPARATUS FOR VEHICLES

CA - 20.09.1983

Int.Class B60R 25/08 Appl.No 330996 Applicant Inventor CROSAS, PEDRO BATLLE

ABSTRACT OF THE DISCLOSURE An anti-theft apparatus for vehicles includes a permanent magnetic attraction and retention element joined to a valve incorporated in the hydraulic return circuit of the brak- ing system of an automobile. The magnetic attraction and re- tention element is controlled by a double-acting coil activated only by an electronic circuit set off by specific voltages act- ing as an electronic code. A valve, a seal, the magnetic re- tention element, the double-acting coil, and the electronic circuit are housed in a tamperproof container.

18. 1048538 CONTROL SYSTEM WITH AUTOMATIC BRAKING FOR A VEHICLE

EP - 02.11.2000

Int.Class B60K 28/10 Appl.No 00104602 Applicant DAIMLER CHRYSLER AG Inventor MUELLER ARMIN

The control system [1] has a detection device [3], which detects the vehicle velocity and the operating sequence of the brak pedal and the accelerator pedal, for activating an automatic acceleration-braking mode, in which the braking servo is supplied w a setting signal when the accelerator pedal is released and in which the automatic braking is interrupted when the accelerator p is operated. The automatic acceleration-braking mode is initiated when the brake pedal is operated successively within a defined time interval, with at least one full depression of the brake pedal.

28. WO/2006/001983 METHOD AND APPARATUS FOR SECURING A SPOOL INSIDE A DATA STORAGE TAPE CARTRIDGE

WO - 05.01.2006

Int.Class G11B 23/107 Appl.No PCT/US2005/019580 Applicant IMATION CORP. Inventor ALEXANDER, Jerry, L.

A brake slide assembly [60] for securing a spool inside a data storage tape cartridge housing is disclosed. The brake slide assembly [60] includes at least one brake slide and a flexible member. The brake slide(s) include a locking wedge, a brake button end, and a riser. The locking wedge is configured to selectively engage between the spool and an interior surface of the cartridge [20]. The brake button end is configured to slidingly couple with a brake button of the cartridge [20]. The riser extends between the locking wedge and the brak e button end. In this regard, the flexible member is coupled to the brake slide [s].

**12. 459957 PRODUCTION OF ROAD SURFACING OR LIKE MATERIAL**

GB - 19.01.1937

Int.Class C08L 95/00 Appl.No 2463435 Applicant JOHN ALEXANDER MONTGOMERIE Inventor

A **coarse** mineral aggregate is coated with creosote oil or similar flux, it is then mixed with a bituminous emulsion and after coagulation with dust or fine particles of mineral material. Molten bitumen, tar or pitch may be applied to the **coarser** aggregate after mixing with emulsion. The proportion of bitumen to **coarse** aggregate may be 6 per cent and the ratio of dust to **coarser** aggregate may be 1 to 3.

29. 5437747 METHOD OF FABRICATING ZIRCALLOY TUBING HAVING HIGH RESISTANCE TO CRACK PROPAGATION

US - 01.08.1995

Int.Class C22F 1/18 Appl.No 08052791 Applicant General Electric Company Inventor Adamson Ronald B.

In a zirconium-alloy fuel element cladding, a method for generating regions of **coarse** and fine intermetallic precipitates across the cladding wall is provided. The method includes steps of specific heat treatments and anneals that **coarsen** precipitates in the bulk of the cladding. The method also includes at least one step in which an outer region [exterior] of the cladding is heated to the beta or alpha plus beta phase, while an inner region [interior] is maintained at a temperature at which little or no metallurgical change occurs. This method produces a composite cladding in which the outer region comprises fine precipitates and the inner region comprises **coarse** precipitates.

36. 111660440 CONCRETE RECYCLING EQUIPMENT

CN - 15.09.2020

Int.Class B28C 9/02 Appl.No 202010589396.3 Applicant QINGDAO TIANJUN HEAVY INDUSTRY MACHINERY CO., LTD. Inventor ZHANG XIULEI

The invention discloses concrete recycling equipment. The concrete recycling equipment comprises a gravel separation device, a belt conveying device, a **coarse** sand extraction device and a fine sand extraction device, wherein the gravel separation device comprises a box body, a first sewage hopper is arranged below the box body, a vibrating screen is arranged in the box body, the belt conveying device is arranged close to the box body and located in the vibration direction of back-and-forth vibration of the vibrating screen, the **coarse** sand extraction device comprises a first mortar pump and **acoarse** sand separation device, and the fine sand extraction device comprises a second mortar pump and a fine sand separation device. The concrete recycling equipment can separate stones, **coarse** sand, fine sand and water in unused concrete in a mixer truck one by one and recycle the stones, the **coarse** sand, the fine sand and the water, so that the utilization efficiency of the raw material is improved.

43. 1020170124208 쉼 목소리를 정상 목소리로 개선하는 방법

KR - 10.11.2017

Int.Class G10L 15/02 Appl.No 1020160053802 Applicant DONG-EUI UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION Inventor KIM, HYUN TAE

The present invention relates to a method for mitigating a **hoarse** voice which enables a person with a **hoarse** voice to speak on a phone with a mitigated voice in a voice call with an acquaintance. More specifically, the present invention relates to a method for mitigating a **hoarse** voice close to a normal voice by applying a new voice boosting filter which applies a Laplacian of Gaussian (LoG) filter emphasizing, suitable for a frequency spectrum of a voice signal, a boundary surface with a rapid change in a brightness value for image processing by considering that a Formant component is relatively unclear compared to a surrounding component in a **hoarse** voice compared to a spectrum of a normal voice. By using the method for mitigating a **hoarse** voice to a normal voice suggested in the present invention, when a person with a **hoarse** voice participates in a face-to-face conversation or performs a wired/wireless call with others, a tone close to a normal voice of the person with a **hoarse** voice can be transferred to a partner. COPYRIGHT KIPO 2017

**1. 20210215183 INSERTABLE CLAMP WITH ALIGNED CLIP**

US - 15.07.2021

Int.Class [F16B 19/10](#) Appl.No 17146872 Applicant LISI AEROSPACE Inventor JULIEN BRACHET

Insertable clamp **[100]**, for the temporary assembly of at least two drilled structural parts **[200a, 200b]**, including a main tubular body **[10]** extending along a longitudinal axis X and having a bearing surface **[111]** intended to come into contact with a first face **[201a]** of the structural parts, an elastic clip **[30]** capable of passing through drilled aligned holes, produced in said parts, the clip being translationally moveable along the longitudinal axis, driven by the rotation about said axis of a driver nut **[50]** provided with a tapped bore **[51]** cooperating with a threaded end **[31]** of said clip, the clip **[30]** comprising two branches **[32]** each ending by a hooking spur **[33]** intended to come into contact with a last face **[202b]** of the structural parts, said branches transversally and progressively moving apart along a spreader **[40]**, placed between said branches and fixed in relation to the main body **[10]**, when exposed to the recoil of the clip, the clamp further includes a compression spring **[60]** placed inside the main body **[10]** and holding the threaded end **[31]** partially engaged in the tapped bore **[51]** so that the clip **[30]** remains constantly aligned with the longitudinal axis.

2. 20210215210 CONTROL OF THE ENGAGEMENT RATE OF A CLUTCH

US - 15.07.2021

Int.Class [F16D 48/08](#) Appl.No 17250045 Applicant TRANSMISSION CVTCORP INC. Inventor Jonathan GUERIN

The control of the engagement **rate** of a clutch in a driveline is described herein. The clutch engagement **rate** is determined using at least one parameter of the driveline. An illustrative example where the parameters include the slipping level of the clutch and the rotational speed at the output of the clutch is described herein.

6. 20210213572 VEINED TOOL BLANK AND DRILL

US - 15.07.2021

Int.Class [B23P 15/32](#) Appl.No 17055308 Applicant AB SANDVIK COROMANT Inventor Raphael ROYER

A tool blank is substantially cylindrical and includes a front end, a rear end and a central longitudinal axis extending therebetween. At least one vein of a superhard material is formed in the blank at the front end. The vein has a depth in the axial direction and a bottom surface, a first side surface and a second side surface. Each vein has an extension in an inward direction from the periphery of the blank. For each vein, the first side surface forms an inclination angle with respect to the longitudinal axis that varies with the radial distance to the longitudinal axis of the blank over at least a major part of the extension. The inclination angle corresponds to a desired axial **rake** angle of a drill to be manufactured from the tool blank. A drill manufactured from such tool blank and a method for manufacturing a drill is provided.

**2. 20210215243 GEAR SYSTEM**

US - 15.07.2021

Int.Class [F16H 57/04](#) Appl.No 16932926 Applicant LG ELECTRONICS INC. Inventor Changwoo SUNG

A **gear** system is provided to secure lubrication passages when the **gear** system is changed between driving, neutral, and parking modes. The **gear** system includes a planetary **gear** assembly, a hollow portion output shaft selectively engaged with a carrier such that the output shaft is configured to rotate with the carrier when the output shaft is engaged with the carrier. The **gear** system further includes a first lubrication passage formed radially at a first point on the carrier, a second lubrication passage formed radially at a second point on the output shaft, and a third lubrication passage formed between the outer surface of the output shaft and the inner surface of the carrier and configured to connect the first lubrication passage and the second lubrication passage.

1. 20210213613 END EFFECTOR AND MEMBER MOUNTING METHOD

US - 15.07.2021

Int.Class [B25J 9/16](#) Appl.No 15733892 Applicant Shimizu Corporation Inventor Taku TANI

An end effector comprising: a driving roller and presser rollers configured to hold a threaded member; a motor; a linear guide and an air cylinder including a rod configured to move the threaded member linearly along the axis of the threaded member; a detector; a robot arm; and a controller configured to: provide the threaded member **near** a position coaxially facing a threaded hole member by controlling the robot arm based on the position and the direction of the threaded hole member detected by the detector; and insert and screw the threaded member into the threaded hole member by controlling: the air cylinder including the rod to advance the threaded member toward the threaded hole member and insert a tip of the threaded member into the threaded hole member; and the motor to rotate the threaded member about the axis of the threaded member.

3. 20210215313 LIGHT MODULE FOR MOTOR VEHICLE, AND LIGHTING AND/OR SIGNALING DEVICE PROVIDED WITH SUCH A MODULE

US - 15.07.2021

Int.Class [F21S 41/26](#) Appl.No 17059900 Applicant VALEO VISION Inventor Yves GROMFELD

The invention relates to a luminous module **[1]** comprising a first series of at least one illuminating unit associated with a projecting optical system **[2]** that is configured to produce a first exit **beam** from light output from the first series, the first **beam** forming a motor-vehicle lighting function, characterized in that it comprises a second series of at least one illuminating unit associated with the projecting system **[2]**, the projecting system being configured to produce a second exit **beam** from light output from the second series, the second **beam** forming a motor-vehicle signaling function, and wherein the first and second series comprise exit dioptric interfaces **[13]** located in the same focal plane of the projecting system **[2]**.

13. 20210214001 AN APPARATUS AND A METHOD FOR CONTROLLING STEERING

US - 15.07.2021

Int.Class [B62D 6/00](#) Appl.No 15734164 Applicant JAGUAR LAND ROVER LIMITED Inventor Nick SOLOMON

An apparatus **[104]** and a method **[800]** for controlling steering of **rear** wheels **[103]** of a vehicle **[100]** are disclosed. The apparatus **[104]** comprises a control means **[105]** configured to receive a first signal indicative of a front wheel steering angle and a second signal indicative of a selected mode selected from at least a first mode and a second mode. The control means is also configured to determine a proposed **rear** wheel steering angle in dependence on the first signal and the second signal and to provide an output signal configured to cause steering of **rear** wheels **[103]** at the proposed **rear** wheel steering angle.

**19. 20210213405 PICKERING EMULSION STABILIZED BY CELLULOSE NANOCRYSTALS FROM GINKGO SEED SHELLS AND PREPARATION METHOD THEREOF**

US - 15.07.2021

Int.Class B01F 17/00 Appl.No 17216771 Applicant Jiangnan University Inventor Liuping Fan

The disclosure discloses a Pickering emulsion stabilized by cellulose from ginkgo seed shells and a preparation method thereof, and belongs to the fields of preparation methods of biomass materials and food chemical industry. The disclosure uses ginkgo seed shells as a raw material to obtain high-purity cellulose through hot alkali treatment and sodium chlorite bleaching. After the cellulose is dried, the cellulose is hydrolyzed with **sulfuric** acid to obtain a cellulose nanocrystal suspension. The suspension is mixed with an oil phase, and the Pickering emulsion is obtained through high-speed shearing and homogeneous emulsification. The disclosure can prepare cellulose nanocrystals with different aspect ratios by adjusting the parameters of high-speed shearing and homogeneous emulsification according to actual production needs. Cellulose nanocrystals with high aspect ratio can be used to prepare stable Pickering emulsions with high oil phase and high viscosity, which can be applied to the fields of food, cosmetics and the like; and cellulose nanocrystals with low aspect ratio can be used to prepare Pickering emulsions with low viscosity and high fluidity, which can be applied to the fields of food and medicine.

3. 20210214281 METHOD FOR THE MANUFACTURE OF A UREA-BASED PARTICULATE MATERIAL CONTAINING ELEMENTAL SULPHUR

US - 15.07.2021

Int.Class C05C 9/00 Appl.No 17209483 Applicant Yara International ASA Inventor Francois Ledoux

This invention relates to a method for the manufacture of a homogeneous, solid, particulate, urea-based material comprising elemental **sulphur**. The invention further relates to a homogeneous, solid, particulate urea-based material comprising small elemental **sulphur** phases in a urea-based base material and formed by an accretion process. The product is in particular suitable as a fertilizer.

^ caret = weighting factor

Same result but ranking will be different

Word or phrases

EN_TI:(car^4 and electric^4 and battery)

EN_TI:("electric car"^4 and battery)

EN_AB:(shaving AND head)

4,515 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Relevance ▾ Per page: 100 ▾ View: All+Image ▾

< 1/46 ▾ >

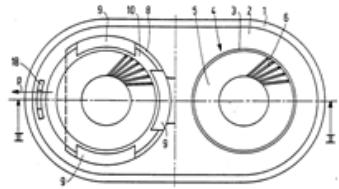
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1. [4934051](#) SHAVING APPARATUS WITH A DETACHABLE HEAD

Int.Class [B26B 19/14](#) [?](#) Appl.No 07249611 Applicant U.S. Philips Corp. Inventor Labrijn Hans

A shaving apparatus is provided which comprises a housing having a detachable shaving head which has at least one opening for a shaving unit, which shaving unit comprises an external shaving member formed with hair entry apertures, and an internal shaving member which is drivable relative to the external shaving member. Inside the shaving head a retaining plate is arranged, to which plate the external shaving member is detachably secured, the internal shaving member being retained between the external shaving member and the retaining plate. The retaining plate is secured to the housing so as to be detachable independently of the shaving head and the shaving head is movable both relative to the housing and relative to the retaining plate with the shaving members.

US - 19.06.1990

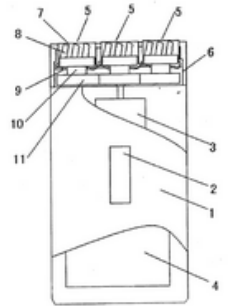


2. [20110113632](#) THREE-HEAD ELECTRIC SHAVER

Int.Class [B26B 19/20](#) [?](#) Appl.No 12693450 Applicant Bao Chengcong Inventor Bao Chengcong

A three-head electric shaver includes a shaving body having a casing at a top end thereof, a switch, a power supply, an electric motor having a motor shaft; and three shaving heads spacedly aligned with each other and provided at an upper portion of the shaving body. Each of the three shaving heads is positioned at an arc of the upper portion of the shaving body. The present invention includes a cutter head support connected with the casing, wherein each of the three shaving heads is mounted thereon. Furthermore, each of the three shaving heads includes an outer foil and an inner blade, each of the three shaving heads is provided on a resilient piece. The present invention has an advantage of wider shaving range to save shaving time.

US - 19.05.2011



3. [0302268](#) SHAVING APPARATUS WITH A CONTROLLABLE, SWIVELLING SHAVING HEAD

Int.Class [B26B 19/38](#) [?](#) Appl.No 88111199 Applicant BRAUN AKTIENGESELLSCHAFT Inventor WOLF, JUERGEN

Electric shaving apparatus with a shaving head mounted swivellably about a swivel axis Z and a control device for the shaving head, by means of which control device both a limiting of the swivellability of the

EP - 08.02.1989

FIG.1

EN_AB:(shaving*12 AND head)



4,515 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Relevance Per page: 100 View: All+Image

1/46

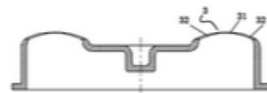
Download Machine translation

1. [204295710](#) SHAVING HEAD COMPONENT OF ROTARY TYPE ELECTRIC SHAVER

Int.Class [B28B 19/14](#) ? Appl.No 201420733433.3 Applicant HAINING XINYI ELECTROMECHANICAL CO., LTD. Inventor WU PENGCHENG

The utility model relates to a **shaving head** component of a rotary type electric shaver. According to an existing **shaving net** of the dual-ring **shaving head** component of the rotary type electric shaver, and a draw bead is used for connecting; accordingly, an effective **shaving area** is smaller, a **shaving net** working face attaching to skin is a plane, touching to the skin is incomplete, the effective **shaving area** is small during working, and the **shaving efficiency** is low. The **shaving head** component of the rotary type electric shaver is characterized in that the **shaving net** comprises at least three concentric **shaving ring surfaces**, the section of the **shaving net** forms arched working faces in two sides, and the **shaving ring surfaces** are arranged on the arched working faces. The arched working faces arranged can make attach to faces effectively and improve **shaving comfort level**. The **shaving net** is of an arched shape, the **shaving net** attaches to the faces effectively, and the **shaving comfort level** is improved. The attaching area of the **shaving net** is improved, the effective **shaving area** is improved, the **shaving comfort level** is better, and the **shaving efficiency** and neatness are further improved by the cooperation of the shavers and the **shaving net**.

CN - 29.04.2015

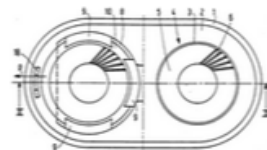


2. [4934051](#) SHAVING APPARATUS WITH A DETACHABLE HEAD

Int.Class [B28B 19/14](#) ? Appl.No 07249811 Applicant U.S. Philips Corp. Inventor Labrijn Hans

A **shaving apparatus** is provided which comprises a housing having a detachable **shaving head** which has at least one opening for a **shaving unit**, which **shaving unit** comprises an external **shaving member** formed with hair entry apertures, and an internal **shaving member** which is drivable relative to the external **shaving member**. Inside the **shaving head** a retaining plate is arranged, to which plate the external **shaving member** is detachably secured, the internal **shaving member** being retained between the external **shaving member** and the retaining plate. The retaining plate is secured to the housing so as to be detachable independently of the **shaving head** and the **shaving head** is movable both relative to the housing and relative to the retaining plate with the **shaving members**.

US - 19.08.1990

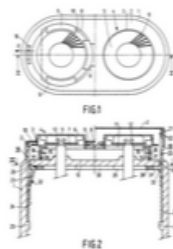


3. [0311179](#) SHAVING APPARATUS

Int.Class [B28B 19/14](#) ? Appl.No 88202108 Applicant N.V. PHILIPS' GLOEILAMPENFABRIEKEN Inventor LABRIJN, HANS

A **shaving apparatus** comprises a housing [1] provided with a detachable **shaving head** [2] which has at least one opening [3] for a **shaving unit** [4], which **shaving unit** [4] comprises an external **shaving member** [5] formed with hair entry apertures [6], and an internal **shaving member** [7] which is drivable relative to the external **shaving member** [5]. Inside the **shaving head** [2] a retaining plate [8] is arranged, to which plate [8] the external **shaving member** [5] is detachably secured, the internal **shaving member** [7] being retained between the external **shaving member** [5] and the retaining plate [8]. The retaining plate [8] is secured to the housing [1] so as to be detachable independently of the **shaving head** [2] and the **shaving head** [2] is movable both relative to the housing [1] and relative to the retaining plate [8] with the **shaving members** [5,7].

EP - 12.04.1989



4. [208812153](#) COMBINED SHAVING TOOL BIT WITH SKIN CARE AND LUBRICATION FUNCTIONS

Int.Class [B28B 19/04](#) ? Appl.No 201821875018.2 Applicant ZHEJIANG BAIREN ELECTRIC APPLIANCE TECHNOLOGY CO., LTD. Inventor WANG XIAOJUN

The utility model relates to a **shaving tool bit**. The utility model relates to a **shaving tool bit**, in particular to a combined **shaving tool bit** with skin-care lubrication. the use problem of the skin care strip is solved; the electric shaver comprises a **shaving inner cutter head seat**, a **shaving cutter head frame** and a **shaving cutter net**, the inner **shaving tool bit seat** and the **shaving tool bit frame** are fixedly assembled; a static **shaving cutter** and a movable **shaving cutter** are arranged in the inner **shaving cutter head seat**; the **shaving cutter net** is arranged in the center of the **shaving cutter head frame**; the **shaving cutter net** and the **shaving cutter head frame** are fixed in a clamped mode, the **shaving cutter head frame** is provided with a mounting group and a skin care strip on the top sides of the **shaving cutter net**; the skin care strip is

CN - 03.05.2019



EN_AB:(shaving AND head)

1. 4924051 SHAVING APPARATUS WITH A DETACHABLE HEAD
 Int.Cl. 02B 13/14 () Appl. No. 07249811 Applicant: U.S. Philips Corp. Inventor: LARRY HANS
 A shaving apparatus is provided which comprises a housing having a detachable shaving head which has at least one opening for a shaving unit, which shaving unit comprises an external shaving member formed with hair entry apertures, and an internal shaving member which is movable relative to the external shaving member inside the shaving head a retaining plate is arranged, to which plate the external shaving member is detachably secured, the internal shaving member being retained between the external shaving member and the retaining plate. The retaining plate is secured to the housing so as to be detachable independently of the shaving head and the shaving head is movable both relative to the housing and relative to the retaining plate with the shaving members.



US - 18.08.1990

2. 2031048 SHAVE-TRIMMER-TORQUE-ELECTRIC MOTOR
 Int.Cl. 02B 13/10 () Appl. No. 12892480 Applicant: Bao Chengsong Inventor: Bao Chengsong
 A three-head electric shaver includes a shaving body having a casing at a top end thereof, a power supply, an electric motor having a motor shaft, and three shaving heads spacedly aligned with each other and provided at an upper portion of the shaving body. Each of the three shaving heads is positioned at an arc of the upper portion of the shaving body. The present invention includes a cutter head support connected with the casing, wherein each of the three shaving heads is mounted thereon. Furthermore, each of the three shaving heads includes an outer foil and an inner blade, each of the three shaving heads is provided on a retaining plate. The present invention has an advantage of water-shedding property to save shaving time.



US - 18.08.1990

3. 0302268 SHAVING APPARATUS WITH A CONTROLLABLE, SWIVELLING SHAVING HEAD
 Int.Cl. 02B 13/10 () Appl. No. 8811189 Applicant: BRAUN WITINGSDILLSCHMIDT Inventor: WOLF, ANDRIS
 Electric shaving apparatus with a shaving head mounted pivotally about a swivel axis Z and a control device for the shaving head, by means of which control device both a limiting of the pivotability of the shaving head within a preset swivelling range and a swivelling movement of the shaving head from any desired swivelling position of the shaving head to a fixed position is effected.



EP - 03.02.1989


4. 2082626 ELECTRIC DRY SHAVER
 Int.Cl. 02B 13/10 () Appl. No. 05422084 Applicant: Sunbeam Corporation Inventor: JENSEN, LORNE R.
 Shaving and uncaring head assembly having a single shaving head provided with a control which is selectively locked to prevent rotation during uncaring. Shaving and having opposite transverse elongated guide which is similar in shape and dimension to one of the shaving head's foil. Has a plurality of spaced ribs which engage the skin and smooth it out in advance of the shaving operation.



US - 05.10.1978

EN_AB:(shaving^12 AND head)

1. 20429710 SHAVING HEAD COMPONENT OF ROTARY TYPE ELECTRIC SHAVER
 Int.Cl. 02B 13/14 () Appl. No. 2014073430 Applicant: HANSHI SHEN ELECTROMECHANICAL CO., LTD. Inventor: WU FENGCHONG
 The utility model relates to a shaving head component of a rotary type electric shaver. According to an existing shaving net of the dual-ring shaving head component of the rotary type electric shaver, an effective shaving area is smaller, a shaving net working face attaching to skin is a plane, touching to the skin is inconspicuous, the effective shaving area is small during working, and the shaving efficiency is low. The shaving head component of the rotary type electric shaver is characterized in that the shaving net comprises at least three concentric shaving surfaces, the section of the shaving net forms an arch working faces in two sides, and the shaving surfaces are arranged on the arch working faces. The arch working faces arranged can make skin to be effectively and improve shaving comfort level. The shaving net is of an arch shape, the shaving net attaches to the faces effectively, and the shaving comfort level is improved. The attaching area of the shaving net is improved, the effective shaving area is improved, the shaving comfort level is better, and the shaving efficiency and service life are further improved by the cooperation of the advance and the utility model.



CN - 29.04.2015

2. 4924051 SHAVING APPARATUS WITH A DETACHABLE HEAD
 Int.Cl. 02B 13/14 () Appl. No. 07249811 Applicant: U.S. Philips Corp. Inventor: LARRY HANS
 A shaving apparatus is provided which comprises a housing having a detachable shaving head which has at least one opening for a shaving unit, which shaving unit comprises an external shaving member formed with hair entry apertures, and an internal shaving member which is movable relative to the external shaving member inside the shaving head a retaining plate is arranged, to which plate the external shaving member is detachably secured, the internal shaving member being retained between the external shaving member and the retaining plate. The retaining plate is secured to the housing so as to be detachable independently of the shaving head and the shaving head is movable both relative to the housing and relative to the retaining plate with the shaving members.



US - 18.08.1990

3. 0311172 SHAVING APPARATUS
 Int.Cl. 02B 13/14 () Appl. No. 8820108 Applicant: N.V. PHILIPS GLOELAMPENFABRIEKEN Inventor: LABRIN, HANS
 A shaving apparatus comprises a housing (1) provided with a detachable shaving head (2) which has at least one opening (3) for a shaving unit (4), which shaving unit (4) comprises an external shaving member (5) formed with hair entry apertures (6), and an internal shaving member (7) which is movable relative to the external shaving member (5). Inside the shaving head (2) a retaining plate (8) is arranged, to which plate (8) the external shaving member (5) is detachably secured, the internal shaving member (7) being retained between the external shaving member (5) and the retaining plate (8). The retaining plate (8) is secured to the housing (1) so as to be detachable independently of the shaving head (2) and the shaving head (2) is movable both relative to the housing (1) and relative to the retaining plate (8) with the shaving members (5, 7).



EP - 12.04.1989

4. 208812163 COMBINED SHAVING TOOL BIT WITH SKIN CARE AND LUBRICATION FUNCTIONS
 Int.Cl. 02B 13/10 () Appl. No. 1518117628.2 Applicant: ZHEJIANG BAREN ELECTRIC APPLIANCE TECHNOLOGY CO., LTD. Inventor: WANG XIAOAN
 The utility model relates to a shaving tool bit. The utility model relates to a shaving tool bit, in particular to a combined shaving tool bit with skin-care lubrication. The use problem of the skin care strip is solved, the electric shaver comprises a shaving outer cutter head seat, a shaving outer head frame and a shaving cutter net, the inner shaving tool bit seat and the shaving tool bit frame are fixedly assembled; a static shaving outer and a movable shaving outer are arranged in the inner shaving outer head seat; the shaving cutter net is arranged in the center of the shaving outer frame, the shaving cutter net and the shaving cutter head frame are fixed in a clamped mode. The shaving cutter head frame is provided with a mounting groove and a skin care strip on the two sides of the shaving cutter net; the skin care strip is provided with an adjusting part and a clamping part; in a hook shape, a first clamping block is arranged on the clamping part; skin can be massaged while shaving is conducted through the skin care lubricating strips on the two sides in the shaving process, the overall appearance is attractive, meanwhile, the shaving efficiency is not affected, the structure is more flexible, and installation is easy.



CN - 03.05.2019

Exercises

- Compare

1. In the English claims

- hydraulic pump bicycle
- pump and bicycle 2x more important than hydraulic

2. In the English abstract:

- *oven* and *solar* that are 4x more important than *battery*
- *solar oven* that is 4x more important than *battery*
- “*solar oven*” that is 4x more important than *battery*

EN_CL:(hydraulic pump bicycle)



206 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Relevance Per page: 100 View: All+Image

1/3

Download Machine translation

1. **WO/1999/033698** HYDRAULICALLY-OPERATED BICYCLE SHIFTING AND BRAKING SYSTEMS

WO - 08.07.1999

Int.Class [B62M 25/08](#) Appl.No PCT/US1998/027262 Applicant PATTERSON, Richard, A. Inventor PATTERSON, Richard, A.

A family of new bicycle shifting systems incorporate improved derailleur designs that are controlled by sealed hydraulic actuators. The shifting systems [i] a hydraulically-actuated, manually-powered front and rear derailleur shifting system, [ii] a hydraulically-actuated, power-assisted front and rear derailleur shifting system with manual control, and [iii] a hydraulically-actuated, power-assisted front and rear derailleur shifting system in which the shifting sequence for the rear derailleur is controlled automatically by pedal speed. Each of these shifting systems utilize a totally sealed, inclined linear shifting path. Environmental contaminants are prevented from entering any of the critical derailleur or control elements. The linear, inclined shifting path provides precise chain shifting, more uniform chain wrap on the rear bicycle drive sprockets, and lower chain and sprocket wear. Several different shifting control units are disclosed. An integrated shifting and braking module is also disclosed.

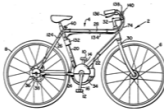


2. **4688815** HYDRAULICALLY DRIVEN BICYCLE

US - 25.08.1987

Int.Class [B62M 19/00](#) Appl.No 06593835 Applicant Lectrolarm Custom Systems, Inc. Inventor Smith William V.

A hydraulically driven bicycle frame with two axle members coupled to the bicycle frame and front and rear wheels mounted on such axes for rotation about the axis of the respective axle and a pair of pedals mounted on a pedal drive shaft coupled to the bicycle frame for rotation for applying manual power for operating the hydraulic system of the bicycle. The hydraulically driven bicycle has a hydraulic pump mechanism and a hydraulic drive mechanism. The hydraulic pump mechanism is operated by rotational movement of the pedal drive shaft. The hydraulic pump mechanism includes a pump housing having two sectional pump housing members that form a pump chamber between them. The two sectional pump housing members are capable of relative movement with respect to each other so that the pump chamber is capable of being varied in size for varying the flow of fluid through the pump mechanism. The hydraulic drive mechanism is driven by the fluid pump by the pump system and is coupled to one of the wheels of the bicycle for providing a rotational force to such wheel. The hydraulic drive mechanism includes a drive housing having two sectional drive housing members which form a drive chamber between them. The two sectional drive members are capable of relative movement with respect to each other so that the drive chamber is capable of being varied in size for varying the flow of fluid through the hydraulic drive mechanism. The hydraulic pump mechanism and the hydraulic drive mechanism are interconnected by fluid circulating tubes so that a closed hydraulic system is constructed on the bicycle.



3. **3190040** HYDRAULIC AUTOMATIC TRANSMISSION BICYCLE

EP - 12.07.2017

Int.Class [B62M 19/00](#) Appl.No 15838598 Applicant LEE DONG WON Inventor LEE DONG WON

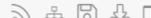
This disclosure generally relates to an automatic bicycle, particularly to a hydraulic automatic transmission bicycle which can automatically and adaptively change gear ratios. More particularly, this disclosure relates to those hydraulic automatic transmission bicycles which use fluid pressure to change such gear ratios, and which include various hydraulic automatic transmissions which may be provided in various configurations and may operate in various methods and sequences to provide automatic and infinitely variable gear ratios.



EN_CL:(hydraulic AND pump^2 AND bicycle^2)



206 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Relevance Per page: 100 View: All+Image

1/3

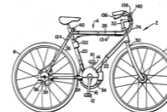
Download Machine translation

1. **4688815** HYDRAULICALLY DRIVEN BICYCLE

US - 25.08.1987

Int.Class [B62M 19/00](#) Appl.No 06593835 Applicant Lectrolarm Custom Systems, Inc. Inventor Smith William V.

A hydraulically driven bicycle frame with two axle members coupled to the bicycle frame and front and rear wheels mounted on such axes for rotation about the axis of the respective axle and a pair of pedals mounted on a pedal drive shaft coupled to the bicycle frame for rotation for applying manual power for operating the hydraulic system of the bicycle. The hydraulically driven bicycle has a hydraulic pump mechanism and a hydraulic drive mechanism. The hydraulic pump mechanism is operated by rotational movement of the pedal drive shaft. The hydraulic pump mechanism includes a pump housing having two sectional pump housing members that form a pump chamber between them. The two sectional pump housing members are capable of relative movement with respect to each other so that the pump chamber is capable of being varied in size for varying the flow of fluid through the pump mechanism. The hydraulic drive mechanism is driven by the fluid pump by the pump system and is coupled to one of the wheels of the bicycle for providing a rotational force to such wheel. The hydraulic drive mechanism includes a drive housing having two sectional drive housing members which form a drive chamber between them. The two sectional drive members are capable of relative movement with respect to each other so that the drive chamber is capable of being varied in size for varying the flow of fluid through the hydraulic drive mechanism. The hydraulic pump mechanism and the hydraulic drive mechanism are interconnected by fluid circulating tubes so that a closed hydraulic system is constructed on the bicycle.



2. **WO/1999/033698** HYDRAULICALLY-OPERATED BICYCLE SHIFTING AND BRAKING SYSTEMS

WO - 08.07.1999

Int.Class [B62M 25/08](#) Appl.No PCT/US1998/027262 Applicant PATTERSON, Richard, A. Inventor PATTERSON, Richard, A.

A family of new bicycle shifting systems incorporate improved derailleur designs that are controlled by sealed hydraulic actuators. The shifting systems [i] a hydraulically-actuated, manually-powered front and rear derailleur shifting system, [ii] a hydraulically-actuated, power-assisted front and rear derailleur shifting system with manual control, and [iii] a hydraulically-actuated, power-assisted front and rear derailleur shifting system in which the shifting sequence for the rear derailleur is controlled automatically by pedal speed. Each of these shifting systems utilize a totally sealed, inclined linear shifting path. Environmental contaminants are prevented from entering any of the critical derailleur or control elements. The linear, inclined shifting path provides precise chain shifting, more uniform chain wrap on the rear bicycle drive sprockets, and lower chain and sprocket wear. Several different shifting control units are disclosed. An integrated shifting and braking module is also disclosed.

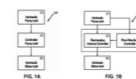


3. **3190040** HYDRAULIC AUTOMATIC TRANSMISSION BICYCLE

EP - 12.07.2017

Int.Class [B62M 19/00](#) Appl.No 15838598 Applicant LEE DONG WON Inventor LEE DONG WON

This disclosure generally relates to an automatic bicycle, particularly to a hydraulic automatic transmission bicycle which can automatically and adaptively change gear ratios. More particularly, this disclosure relates to those hydraulic automatic transmission bicycles which use fluid pressure to change such gear ratios, and which include various hydraulic automatic transmissions which may be provided in various configurations and may operate in various methods and sequences to provide automatic and infinitely variable gear ratios.



EN_AB:(oven*4 AND solar*4 AND battery)

109 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Relevance Per page: 100 View: All+Image

1/2

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1. **107166451** ENERGY-SAVING ENVIRONMENT-FRIENDLY PORTABLE MICROWAVE OVEN

CN - 15.09.2017

Int.Class [F24C 7/02](#) Appl.No 102017000420999 Applicant SHENZHEN CHUANGYI INDUSTRIAL TECHNOLOGY CO., LTD. Inventor THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED

The invention discloses an energy-saving environment-friendly portable microwave oven which comprises an oven body and an oven door; a solar battery, solar photovoltaic panels and an energy storage element are arranged on the oven body; the solar photovoltaic panels are connected with the solar battery; one end of the energy storage element is connected with the solar battery through a controller; the other end of the energy storage element is connected with one end of a microwave oven starting switch through an inverter; the other end of the microwave oven starting switch is connected to one end of a microwave oven heating system; and the other end of the microwave oven heating system is connected to a rotating disc, so as to heat food.

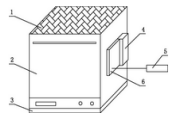


2. **102695308** SOLAR MICROWAVE OVEN

CN - 26.09.2012

Int.Class [H05B 8/66](#) Appl.No 201110073423.2 Applicant Guangdong Midea Microwave and Electrical Appliance Manufacturing Co., Ltd. Inventor Tang Xiangwei

A solar microwave oven comprises a storage battery which provides power for magnetron of the microwave oven. The storage battery is connected with a solar cell panel through a solar power supply controller. The solar power supply controller is electrically connected with the magnetron through a driving circuit. The solar cell panel and the storage battery are arranged on the microwave oven. The solar cell panel and the storage battery of the solar microwave oven of the invention are arranged on the microwave oven. A user can conveniently install the solar cell panel and the storage battery. An extra lead does not need to be connected. When the microwave oven does not work, a current generated by the solar cell panel can be stored in the storage battery. When the microwave oven works, the storage battery power can be used preferentially. Besides, in order to avoid a situation that a microwave oven load can not be satisfied because the solar cell output power is not enough, an electric supply is added. A solar cell panel circuit and an electric supply circuit form a parallel circuit so as to realize direct current side grid connection. A structure is simple and reasonable. Energy saving, low carbon and environmental protection can be achieved. Usage is convenient. An energy efficiency ratio is high. An application range is wide.

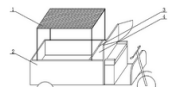


3. **106322451** SOLAR ENERGY MICROWAVE OVEN USED FOR MINIATURE SANITATION TRUCK

CN - 11.01.2017

Int.Class [F24C 7/02](#) Appl.No 102015000330170 Applicant HARBIN HONGWANZHI SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD. Inventor WANG LEI

The invention relates to a solar energy microwave oven used for a miniature sanitation truck. The solar energy microwave oven comprises a sanitation truck, a solar panel, a storage battery and the microwave oven, the solar panel is positioned at the top of the sanitation truck, an isolation strip is arranged on the sanitation truck, a lid is arranged at the top of the isolation strip and can be opened, a storage battery, a DC/DC converter and the microwave oven are arranged in the isolation strip, the solar panel is connected with the storage battery, the storage battery is connected with the DC/DC converter, the DC/DC converter is connected with the microwave oven, a ventilation opening is arranged on the isolation strip, a switch, a controller and a timer are arranged on the microwave oven, the controller is connected with the switch, the



EN_AB:((solar oven)*4 AND battery)

109 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Relevance Per page: 100 View: All+Image

1/2

Download Machine translation

1. **107166451** ENERGY-SAVING ENVIRONMENT-FRIENDLY PORTABLE MICROWAVE OVEN

CN - 15.09.2017

Int.Class [F24C 7/02](#) Appl.No 102017000420999 Applicant SHENZHEN CHUANGYI INDUSTRIAL TECHNOLOGY CO., LTD. Inventor THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED

The invention discloses an energy-saving environment-friendly portable microwave oven which comprises an oven body and an oven door; a solar battery, solar photovoltaic panels and an energy storage element are arranged on the oven body; the solar photovoltaic panels are connected with the solar battery; one end of the energy storage element is connected with the solar battery through a controller; the other end of the energy storage element is connected with one end of a microwave oven starting switch through an inverter; the other end of the microwave oven starting switch is connected to one end of a microwave oven heating system; and the other end of the microwave oven heating system is connected to a rotating disc, so as to heat food.

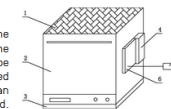


2. **102695308** SOLAR MICROWAVE OVEN

CN - 26.09.2012

Int.Class [H05B 8/66](#) Appl.No 201110073423.2 Applicant Guangdong Midea Microwave and Electrical Appliance Manufacturing Co., Ltd. Inventor Tang Xiangwei

A solar microwave oven comprises a storage battery which provides power for magnetron of the microwave oven. The storage battery is connected with a solar cell panel through a solar power supply controller. The solar power supply controller is electrically connected with the magnetron through a driving circuit. The solar cell panel and the storage battery are arranged on the microwave oven. The solar cell panel and the storage battery of the solar microwave oven of the invention are arranged on the microwave oven. A user can conveniently install the solar cell panel and the storage battery. An extra lead does not need to be connected. When the microwave oven does not work, a current generated by the solar cell panel can be stored in the storage battery. When the microwave oven works, the storage battery power can be used preferentially. Besides, in order to avoid a situation that a microwave oven load can not be satisfied because the solar cell output power is not enough, an electric supply is added. A solar cell panel circuit and an electric supply circuit form a parallel circuit so as to realize direct current side grid connection. A structure is simple and reasonable. Energy saving, low carbon and environmental protection can be achieved. Usage is convenient. An energy efficiency ratio is high. An application range is wide.

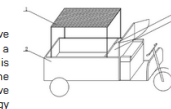


3. **106322451** SOLAR ENERGY MICROWAVE OVEN USED FOR MINIATURE SANITATION TRUCK

CN - 11.01.2017

Int.Class [F24C 7/02](#) Appl.No 102015000330170 Applicant HARBIN HONGWANZHI SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD. Inventor WANG LEI

The invention relates to a solar energy microwave oven used for a miniature sanitation truck. The solar energy microwave oven comprises a sanitation truck, a solar panel, a storage battery and the microwave oven, the solar panel is positioned at the top of the sanitation truck, an isolation strip is arranged on the sanitation truck, a lid is arranged at the top of the isolation strip and can be opened, a storage battery, a DC/DC converter and the microwave oven are arranged in the isolation strip, the solar panel is connected with the storage battery, the storage battery is connected with the DC/DC converter, the DC/DC converter is connected with the microwave oven, a ventilation opening is arranged on the isolation strip, a switch, a controller and a timer are arranged on the microwave oven, the controller is connected with the switch, the storage battery is connected with the controller, the controller is connected with the timer, the timer is connected with the switch, and the switch is connected with the storage battery. The solar energy microwave oven has the advantages that through solar energy generating, the microwave oven is driven for heating, commercial power is not used for working, the solar energy microwave oven has the advantages of energy saving and environmental protection, insufficient electric quantity should not be worried about, the solar energy microwave oven is convenient and practical, at the same time, the foams are attached on the lid, so



EN_AB:(("solar oven")^4 AND battery)



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



Sort: Relevance ▾ Per page: 100 ▾ View: All+Image ▾

< 1/1 ▾ >

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1. [201831030457](#) EFFICIENT SOLAR OVEN WITH REFLECTED INFRA RED AND TRANSMITTED UV & VISIBLE LIGHT UTILIZING HOT MIRROR

IN - 14.02.2020

Int.Class [F24C/](#) Appl.No 201831030457 Applicant PALODHI KANIK Inventor PALODHI KANIK

Abstract:Efficient [Solar Oven](#) with reflected infra-red andtransmitted UV & visible light utilizing Hot-mirror: This invention relates to energy efficient [Solar oven](#) where the Infra-Red is reflected by a Hot Mirror and later collected by a evacuated tube assembly working as a heat guide. In this way, the heat is guided to a modified oven that absorbs heat and acts a heat source. The transmitted part through the Hot Mirror of solar beam contains visible light and UV and this part drives the solar panel to generate electricity to charge the [battery](#). This can be used to run a separate inductive oven which can supplement the heat requirement of modified oven. The hot-mirror and the evacuated tubes are kept in a transparent box to prevent dust, birds etc. Here, essentially, there are two adjacent ovens one with lower heat capacity driven by heated water and the other with higher heat capacity driven by electrical power from solar PV through the [battery](#). (Ref: Fig 1).

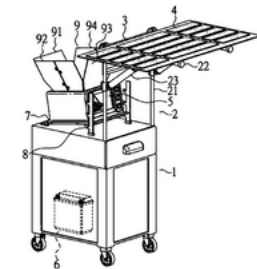


2. [208941872](#) MOBILE SOLAR OVEN CART

CN - 07.06.2019

Int.Class [A47J 37/07](#) Appl.No 201820019358.2 Applicant GUANGZHOU R&M MACHINERY CO., LTD. Inventor SHEN JUNFENG

The utility model discloses a mobile [solar oven](#) cart. The mobile [solar oven](#) cart comprises a cart body, the oven is directly or indirectly arranged on the top surface of the cart body, the top wall ofthe oven is provided with an open hole communicated with the internal accommodating space, and the open hole is covered with a transparent cover body; the sun-shading photovoltaic panel is arranged on one side of the cart body and used for adjusting the sun-shading angle and absorbing sunlight to generate electric energy. The storage [battery](#) is electrically connected with the sun-shading photovoltaic panel, is arranged in the cart body and is electrically connected with the oven; the solar reflecting plate set is arranged on the top face of the transparent cover body and comprises a first reflecting plate, a second reflecting plate, a third reflecting plate and a fourth reflecting plate which are sequentially arranged in a framed mode, and an inclination angle is formed between each reflecting plate and the transparent cover body, so that light is refracted into the containing space through the reflecting plates, and the effect of concentrating solar energy to increase the temperaturein the oven is achieved.

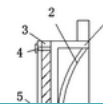


3. [107411580](#) SOLAR OVEN

CN - 01.12.2017


Int.Class [A47J 37/07](#) Appl.No 201710874071.8 Applicant JIAXING YUYANG SOLAR CO., LTD. Inventor YU HAIMING

The invention discloses a [solar oven](#) which comprises a box body and a box cover, wherein one side of the top end the box body is articulated with the box cover; a storage [battery](#) is embedded into an inner wall of the bottom end of the box body; a movable disc is slidingly connected in the box body; a horizontally arranged separating net is fixed in the movable disc; annular electric heating tubes are arranged at the bottom end of the separating net, and mounted on an inner wall of the bottom end of the movable disc; four support columns are placed at the top end of the separating net; a sliding groove is formed in a side wall of one



Other languages, translations,
synonyms

WIPO Pearl

shaving 

Search options | Reset

51 HITS for shaving [Filters](#)

Source language All Target language All Subject field All

Terms [shaving brush](#) (HOME), [shaving gel](#) (CHEM), [shaving cream](#) (CHEM), [wood shavings](#) (BLDG), [shaping](#) (MANU)...

HOME / DOMESTIC APPLIANCES & UTENSILS [Show full record](#)

▶ DE › Rasierpinsel	Reliability 3 / 4	...
▶ EN › shaving brush	Reliability 3 / 4	...

CHEM / COSMETICS & PERFUMES [Show full record](#)

▶ EN › shaving gel	Reliability 3 / 4	...
▶ ES › gel de afeitado	Reliability 3 / 4	...
▶ FR › gel de rasage	Reliability 3 / 4	...
▶ ZH › 剃须啫喱(tìxūzhēlǐ)	Reliability 3 / 4	PATENTSCOPE Images Concept map ...



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Tools ▼

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WIPO Translate

WIPO Pearl

IPC Green Inventory

Portal to patent registers

nt documents including 3.9 million published international patent applications (PCT). [De](#)

e [here](#). The next PCT publication 46/2020 is scheduled for 12.11.2020. [More](#)

f families,... [More](#)

[Efforts](#)

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Query Examples

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Simple

Advanced Search

Field Combination

Cross Lingual Expansion

Chemical compounds (login required)

cluding 3.9 million published international p

ge

PCT publication 46/2020 is scheduled for 12



Query Examples

CROSS LINGUAL EXPANSION ▾

Search terms... *

shaving head

Query Language"

English ▾

The language of your query

Expansion Mode:

Automatic

Supervised

Use the **Supervised** mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by

Precision level ▾

High

Influences the precision of the suggested variants.

Highest level considers only the most relevant ones [less suggested variants]

Lowest level considers the less relevant as well [more suggested variants]

Search

EN_AB:(*"shaving head"* OR *"cutting head"*) OR FR_AB:(*"tête de rasage"* OR *"tête de coupe"* OR *"tête de découpe"* OR *"tête coupante"* OR *"tête flottante"*) OR DE_AB:(*"Schneidkopf"* OR *"Rasierkopf"* OR ')

22,437 results Offices all Languages all Stemming true Single Family Member false Include NPL false



FULL QUERY

Close

Edit

EN_AB:(*"shaving head"* OR *"cutting head"*) OR FR_AB:(*"tête de rasage"* OR *"tête de coupe"* OR *"tête de découpe"* OR *"tête coupante"* OR *"tête flottante"*) OR DE_AB:(*"Schneidkopf"* OR *"Rasierkopf"* OR *"schramkopf"* OR *"Schrämkopf"* OR *"Scherkopfes"*) OR ES_AB:(*"cabezal de afeitado"* OR *"cabeza de corte"* OR *"cabeza de afeitadora que posee"* OR *"cabezal de aparato de afeitar"* OR *"disposición de cabeza de afeitado"* OR *"cabezal cortador"* OR *"cabeza afeitadora"* OR *"cabeza de rasurar"* OR *"dotada con un cabezal rasurador"*) OR PT_AB:(*"cabeça de corte"* OR *"cabeça de barbear"* OR *"cabeçote cortante"* OR *"cabeçote de barbear"* OR *"cabeça de recorte"* OR *"cabeça fresadora"*) OR JA_AB:(*"シェービングヘッド"* OR *"裁断ヘッド"* OR *"切断ヘッド"* OR *"げそりヘッド"* OR *"切削ヘッド"* OR *"カッターヘッド"* OR *"剃りヘッドホルダ"* OR *"そりヘッド"* OR *"切削加工ヘッド"*) OR RU_AB:(*"и головка бритвы"* OR *"головки бритвы и"* OR *"бритвенную головку"* OR *"головка бритвы"* OR *"бритвенная головка и"* OR *"режущая головка"* OR *"и ножевая головка"* OR *"врубовой головке"*) OR ZH_AB:(*"剃须头"* OR *"剃须刀刀头"* OR *"电动剃须刀刀头"* OR *"切削头"* OR *"剃削头"* OR *"剃须刀头"* OR *"剃刮头"* OR *"剃削刀头"* OR *"剃刀头部"*) OR KO_AB:(*"면도 헤드"* OR *"깎는 면도 헤드기"* OR *"커팅 헤드"* OR *"재단 헤드"* OR *"절삭 헤드"* OR *"두부정리 절단장치"* OR *"면도 헤드가 구비된면도기"* OR *"절삭 헤드를 구비한"* OR *"절단용 헤드"*) OR IT_AB:(*"testa di taglio"* OR *"testa di rasatura"* OR *"testa troncatrice"* OR *"testa tagliente"*) OR SV_AB:(*"skarhuvudet"* OR *"kapningshuvud"* OR *"skärhuvud"* OR *"skerhuvud"*) OR NL_AB:(*"scheerblad"* OR *"scheerkop"* OR *"scheerhoofd"* OR *"meskop"*) OR PL_AB:(*"tarcie głowica"*~22 OR *"dla głowica"*~22 OR *"aparát głowica"*~22 OR *"golenia głowica"*~22 OR *"głowica tnąca urządzesigma"* OR *"maszynka głowica"*~22 OR *"tarcie łbem"*~22 OR *"dla łbem"*~22 OR *"aparát łbem"*~22) OR DA_AB:(*"skæreværktøj"* OR *"skaerehoved"* OR *"skrehoved"* OR *"barberapparathoved"* OR *"barberskraberhoved"* OR *"fræsehoved"*)

Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 225 >

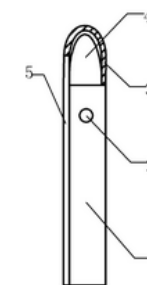
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1. 201979543 手机剃须刀

CN - 21.09.2011

Int.Class B26B 19/48 ⓘ Appl.No 201020684836.5 Applicant 李龙华 Inventor 李龙华

手机剃须刀, 属于通讯工具, 主要解决随着生活节奏的加快, 对于男士来说, 往往匆忙而忘记剃须, 对个人形象造成不好的影响的问题。它包括手机主体, 手机主体上设有显示屏和按键, 其特征是, 所述手机主体的一端设有一个电动剃须刀刀头, 电动剃须刀刀头的外侧置有网罩, 所述电动剃须刀刀头的工作开关设在手机主体的侧面, 电动剃须刀刀头、工作开关和手机主体的蓄电池电连接; 在手机主体上设有显示屏和按键的一侧设有一防护罩。本实用新型将手机和剃须刀的实用功能相结合, 如果出门忘记剃须, 可以找任意一个空闲时间进行剃须, 方便实用。



CROSS LINGUAL EXPANSION ▾

Search terms... *

"shaving head"

Query Language

English

The language of your query

Expansion Mode:

Automatic

Supervised

Use the **Supervised** mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by

Precision level

High

Influences the precision of the suggested variants.

Highest level considers only the most relevant ones [less suggested variants]

Lowest level considers the less relevant as well [more suggested variants]

Select Domains

Select one or more technical domains relevant to your search terms

Domains *

Manufacturing & Materials Handling Tech X Mechanical Engineering X

Admin, Business, Management & Soc Sci

Aeronautics & Aerospace Engineering

Agriculture, Fisheries & Forestry

Audio, Audiovisual, Image & Video Tech

Automotive & Road Vehicle Engineering

Civil Engineering & Building Construction

Chemical & Materials Technology

▼ TERM 1: SHAVING HEAD

Keep term untranslated when expanding query in other languages

Domains

Audio, Audiovisual, Image & Video Tech X Manufacturing & Materials Handling Tech X Mechanical Engineering X

Variants

Precision level

High

cutterhead

cutting tip

glide head

cutter head

flying head

head frame

cutting head

floating head assembly

milling head

Add variant

Start Over

Back

Translate Selected Terms

English French German Spanish Portuguese Japanese Russian Chinese Korean Italian Swedish Dutch Polish Danish IPC

Search terms... *

"shaving head" OR "shaver head" OR "razor head"

Remove this translation

Field(s) you want to search: *

Abstract X

Keep CTRL key pressed to select multiple domains from the list

Acceptable distance between matched words:

Sentence

Stemming

Start Over

Back

Search

(EN_AB:("shaving head" OR "shaver head" OR "razor head") OR FR_AB:("tête de rasage" OR "tête de rasoir" OR "tête de coupe" OR "tête flottante" OR "tête du rasoir") OR DE_AB:("Rasierkopf" OR "Sch



5,625 results Offices all Languages all Stemming true Single Family Member false Include NPL false



FULL QUERY

Close

Edit

(EN_AB:("shaving head" OR "shaver head" OR "razor head") OR FR_AB:("tête de rasage" OR "tête de rasoir" OR "tête de coupe" OR "tête flottante" OR "tête du rasoir") OR DE_AB:("Rasierkopf" OR "Scherkopfes" OR "Rasiermessereinheit" OR "Nassrasiererkopf" OR "Rasierapparates") OR ES_AB:("cabezal de afeitado" OR "cabeza de afeitadora que posee" OR "cabezal de aparato de afeitador" OR "disposición de cabeza de afeitado" OR "cabeza afeitadora" OR "cabeza de rasurar" OR "dotada con un cabezal rasurador" OR "cabeza de maquinilla" OR "cabeza de maquinilla de afeitador" OR "cabezal de máquina de afeitador" OR "cabeza de navaja para afeitador" OR "cabeza de navaja de afeitador" OR "rasuradora articulada") OR PT_AB:("cabeçote de barbeador possuindo" OR "cabeçote de aparelho de barbear" OR "cabeça de barbear" OR "sobre uma cabeça de barbear" OR "antifricção uma cabeça de barbeador" OR "cabeçote de aparelho de barbear" OR "cabeçote de barbear" OR "cabeçote de barbeador particularmente" OR "cabeçote de aparelho" OR "cabeça de aparelho de barbear" OR "cabeça de máquina de barbear") OR JA_AB:("シェービングヘッド" OR "シェーパヘッド" OR "剃刀ヘッド" OR "げそりヘッド" OR "剃りヘッドホルダ" OR "カミソリヘッド" OR "とシェーパーヘッド" OR "そりヘッド" OR "シェーパーヘッド" OR "かみそりヘッド" OR "かり" OR "かりヘッド" OR "ひげそりヘッド") OR RU_AB:("и головка бритвы" OR "головки бритвы и" OR "бритвенную головку" OR "головка бритвы" OR "бритвенная головка и") OR ZH_AB:("剃须头" OR "剃须刀刀头" OR "电动剃须刀刀头" OR "剃削头" OR "剃须刀头" OR "剃刮头" OR "剃削刀头" OR "剃刀头部" OR "剃刀头" OR "设有该剃须刀刀头") OR KO_AB:("면도 헤드" OR "갖는 면도 헤드" OR "면도 헤드가 구비된 면도기") OR IT_AB:("testa di rasatura" OR "testina di rasoio") OR SV_AB:("skerhuvud") OR NL_AB:("scheerblad" OR "scheerkop" OR "scheerhoofd" OR "scheer kop") OR PL_AB:("jednorazowego i głowica") OR DA_AB:("barberapparathoved" OR "barbermaskinehoved" OR "barberskraberhoved" OR "barberknivshoved")) AND ICF:(A46D OR B02 OR B03 OR B04 OR B05 OR B06 OR B07 OR B07 OR B23 OR B24 OR B25 OR B25 OR B26 OR B26 OR B27 OR B28 OR B29 OR B30 OR B3? OR B65 OR B66 OR "B82B 3" OR C03 OR C04 OR "C06F 1" OR "C06F 3" OR C14 OR E02 OR F0? OR F15 OR F16 OR F26 OR G03 OR G09F OR G09G OR G10K OR G10L OR G11 OR H04)

Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1/57 >

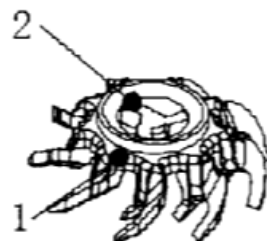
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1. [211941015](#) ZIRCONIA CERAMIC ROTARY ELECTRIC SHAVER HEAD

CN - 17.11.2020

Int.Class [B26B 19/14](#) ? Appl.No 202020338771.2 Applicant SHANGHAI TAobao CERAMIC NEW MATERIAL DEVELOPMENT CO., LTD. Inventor SUN GENYUE

The utility model discloses a zirconia ceramic rotary type electric shaver head in the technical field of rotary type electric shaver head accessories, which comprises a rotary cutter and a fixing frame, and the mass of the rotary cutter is heavier than that of a traditional metal shaver head due to the high-density characteristic of zirconia. In the using process, stable operation can be achieved in the equipment, the problems of unstable shaking and noise caused by light weight and small inertia are avoided, the hard plastic fixing piece is light in weight and low in replacement cost, different types of rotary cutters and different types of cutter head bases can be assembled by replacing different fixing pieces, and the assembly efficiency of the rotary cutters is improved. And the cost generated by opening the mold is saved, and the production cost of the shaver is effectively reduced.



Exercise

1. How many results do you find for *smartphone* in Chinese? 2 different ways

WIPO Pearl

https://wipopearl.wipo.int/en/linguistic

▶ > smartphone <small>avoid</small>	Reliability 3 / 4				...
▶ FR > téléphone intelligent	Reliability 3 / 4				...
▶ > smartphone	Reliability 3 / 4				...
▶ > ordiphone	Reliability 3 / 4				...
▶ JA > スマートフォン	Reliability 3 / 4				...
▶ > 高性能携帯電話[こうきのうけいたいでんわ]	Reliability 3 / 4				...
▶ KO > 스마트폰	Reliability 3 / 4				...
▶ PT > smartphone	Reliability 3 / 4				...
▶ > celular inteligente	Reliability 3 / 4				...
▶ > telefone inteligente	Reliability 3 / 4				...
▶ RU > смартфон	Reliability 3 / 4	PATENTSCOPE	Images	Concept map	...
ZH > 智能手机[zhìnéngshǒujī]	Reliability 3 / 4				...
▶ JA > スマートフォン	Reliability 3 / 4				...

ZH_ALLTXT:"智能手机"



375,356 results Offices all Languages zh Stemming false Single Family Member false Include NPL false



Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1/37,536 >

Machine translation ▼

1. [104661556](#) SMARTPHONE CASE

CN - 27.05.2015

Int.Class [A45C 11/00](#) ⓘ Appl.No 20148000041.9 Applicant 金米源 Inventor 金米源

The present invention relates to a smartphone case comprising: a body formed to prevent damage caused by an external shock and to receive a smartphone; and an auxiliary computing unit which is embedded in the body and can interface with the smartphone, so that the auxiliary computing unit can process data requested by the smartphone and transmit the processed data to the smartphone. The smartphone case according to the present invention comprises the auxiliary computing unit which is connected to the smartphone to perform communication while being embedded in the smartphone case for protecting the smartphone and shares processing of data in the smartphone according to a request from the smartphone, thereby solving the problems of overload of the smartphone and reduction in a data processing speed, which are caused when a large amount of data is processed by the smartphone alone.

2. [203301583](#) 智能手机

CN - 20.11.2013

Int.Class [H04M 1/725](#) ⓘ Appl.No 201320322047.0 Applicant 歌尔声学股份有限公司 Inventor 文建邦

本实用新型公开了一种智能手机,包括手机本体,所述手机本体内设有智能手机MCU,所述智能手机MCU与智能手机显示屏通信连接,所述手机本体还内置或外设有温度传感器,所述温度传感器与所述智能手机MCU电连接。本实用新型的智能手机,具有温度检测及显示功能,方便了人们的生活。

3. [106331224](#) SMART PHONE

CN - 11.01.2017

Int.Class [H04M 1/02](#) ⓘ Appl.No 102015000361710 Applicant ZHOU LIYING Inventor ZHOU LIYING

The invention provides a smart phone. A front camera is independently set as a camera module and is internally provided with a wifi module and a rechargeable battery, the camera module is telescopically and movably connected with the smart phone, the camera module is pulled upward for a certain distance to become a mobile phone having a selfie stick. A mobile phone wifi module and a camera wifi module generate a wifi network, the smart phone wirelessly controls the camera module for shooting, and the camera module transmits a video or a picture to the smart phone. The camera module can be separated from the smart phone to become mobile phone and a camera to be separately used, thereby realizing multiple purposes by one machine, and thus the smart phone becomes a diversified shooting platform.

4. [107249055](#) INTELLIGENT HANDSET

CN - 13.10.2017

Int.Class [H04M 1/02](#) ⓘ Appl.No 201710344992.3 Applicant BEIJING XIAOMI MOBILE SOFTWARE CO., LTD. Inventor ZHANG YI

The invention provides an intelligent handset. The intelligent handset comprises an equipment body, a casing, a fixing assembly and a transmission assembly, wherein the equipment body is externally wrapped in the casing, the casing is fixedly connected with the equipment body, the fixing assembly and the transmission assembly are fixed on the casing or the equipment body, the transmission assembly and the equipment body are electrically connected, the fixing assembly is used for fixing external equipment connected with a smart handset, and the transmission assembly is used for carrying out data transmission among the external equipment. The intelligent handset is provided with the fixing assembly used for fixing the

CROSS LINGUAL EXPANSION ▾

Search terms... *

smartphone

Query Language"

English ▾

The language of your query

Expansion Mode:

Automatic

Supervised

Use the **Supervised** mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by

Precision level ▾

High

Influences the precision of the suggested variants.

Highest level considers only the most relevant ones (less suggested variants)

Lowest level considers the less relevant as well (more suggested variants)

Search

EN_AB:("smartphone" OR "smart phone") OR FR_AB:("téléphone intelligent" OR "smartphone" OR "ordiphone") OR DE_AB:("Smartphone") OR JA_AB:("スマートフォン" OR "つつ" OR "スマートフォン")

356,511 results Offices all Languages en Stemming true Single Family Member false Include NPL false

Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1 / 35,652 >

Machine translation ▼

1. WO/2016/060526 CRADLE FOR SMART PHONE

WO - 21.04.2016

Int.Class H04M 1/04 ? Appl.No PCT/KR2015/010995 Applicant LEE, Jeong Yong Inventor LEE, Jeong Yong

The present invention relates to a cradle for a smart phone and, more specifically, to a cradle for a smart phone that is coupled to the smart phone to make the smart phone horizontally or vertically stand up, thereby implementing the function of mounting the smart phone. Accordingly, disclosed is a cradle for a smart phone, as an example, which comprises: a smart phone cover coupled to the smart phone to protect the smart phone from impact; a support part having one end rotatably coupled to the smart phone cover; and a connecting plate having one end connected to the lower end of the smart phone cover and an opposite end connected to the opposite end of the support part, wherein the support part is unfolded away from the smart phone cover at a predetermined angle to support the smart phone cover, and the connecting plate connects the lower end of the smart phone cover and the lower end of the support part to restrict the support part from being unfolded away from the smart phone cover at a predetermined angle or more, wherein when the support part is folded and brought close to the smart phone cover, the connecting plate is folded and inserted between the support part and the smart phone cover.

2. WO/2013/035901 MARKETING METHOD USING SMART PHONE

WO - 14.03.2013

Int.Class G06Q 30/00 ? Appl.No PCT/KR2011/006667 Applicant KIM, A Lim Inventor KIM, A Lim

The present invention provides a marketing method using a smart phone on a network including an advertiser server or an application manufacturer server which signs an advertising contract using a predetermined smart phone from the advertiser server and includes a predetermined smart phone application therethrough. The marketing method of the present invention includes: a first step of enabling the advertiser server or the application manufacturer server to transmit the predetermined smart phone application to the predetermined smart phone of a client according to a request of the smart phone of the client; a second step of enabling the advertiser server or the application manufacturer server to transmit a message including the predetermined marketing information having particular feedback of the client to the smart phone of the client having the transmitted predetermined smart phone application; and a third step of transmitting the particular feedback of the client from the smart phone of the client to the advertiser server or the application manufacturer server through the network by using the predetermined smart phone application to be operated by the smart phone of the client. The present invention can maximize the marketing effect using the smart phone by enabling the client using the smart phone to transmit a predetermined signal to the corresponding enterprise or advertiser through various methods so as to receive various benefits provided from the advertiser.

3. WO/2013/172532 AUXILIARY CAMERA DEVICE FOR SMART PHONE

WO - 21.11.2013

Int.Class H04N 5/225 ? Appl.No PCT/KR2013/000018 Applicant LEE, Seung Hwan Inventor LEE, Seung Hwan

The present invention relates to an auxiliary camera device for a smart phone which is controlled by being connected to the exterior of the smart phone and is separate from a camera module provided within the smart phone. The auxiliary camera device for a smart phone, according to the present invention, comprises: a camera photographing unit for photographing an image inputted through a lens; an image compression unit for compressing and image-processing the image photographed through the camera photographing unit; and a communication interface unit which communicates with a smart phone provided as a separate device, receives a control signal for controlling the camera photographing unit from the smart phone, and transmits the image processed through the image compression unit to the smart phone, wherein the control signal is generated by a camera control application installed in the smart phone. Thus, since the auxiliary camera device can be manufactured separate from the camera module provided inside the smart phone, the auxiliary camera device can be manufactured in various forms and can be used as an accessory.

ADVANCED SEARCH ▼

ZH_AB:("智能手机" OR "智能电话" OR "灵通" OR "利用智能电话")

Query Assistant [Query Examples](#)

Expand with related terms

Offices All	▼
Languages English	▼
<input checked="" type="checkbox"/> Stemming	
<input type="checkbox"/> Single Family Member	
<input type="checkbox"/> Include NPL	

ZH_AB:("智能手机" OR "智能电话" OR "灵通" OR "利用智能电话")



17,288 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1/1,729 >

Machine translation ▼

1. **106334886** INTERWORKING CONTROLLING METHOD OF AN ELECTRONIC EYE PROTECTION APPARATUS FOR WELDING AND A SMARTPHONE

CN - 18.01.2017

Int.Class B23K 37/00 ⓘ Appl.No 102016000531135 Applicant OTOS WING. CO., LTD. Inventor MOON-YOUNG HUH

The present invention relates to the interworking controlling method of an electronic eye protection apparatus for welding and a smartphone, or more specifically, it relates to the interworking controlling method of an electronic eye protection apparatus for welding and a smartphone, which enables remote management from a smartphone by interworking history state data on utilization, operation, settings, failure of the electronic eye protection apparatus for welding, and which enables location searching and anti-theft function such as password setting of electronic eye protection apparatus for welding with a smartphone.

2. **102739854** METHOD OF USING A SMART PHONE AS A TELEMATICS DEVICE INTERFACE

CN - 17.10.2012

Int.Class H04M 1/725 ⓘ Appl.No 201210089770.9 Applicant 通用汽车有限责任公司 Inventor T.伊纳巴图尼

A system and method for controlling a vehicle telematics unit via a smart phone using the steps of: storing a software application for remotely controlling the telematics unit at the smart phone; using the stored software application to communicatively connect the smart phone with the telematics unit via a short-range wireless communication link; receiving data from the telematics unit that is used to display a menu of telematics service selections at the smart phone; receiving a telematics service selection from a vehicle occupant at the smart phone that is chosen from one of the displayed telematics service selections; and transmitting a command that controls at least one function of the vehicle based on the received telematics service selection from the smart phone to the telematics unit over the short-range wireless communication link.

3. **1267992** USAGE OF INTELLIGENT TELEPHONE SET IN INTELLIGENT WIRE TELEPHONE NETWORK

CN - 27.09.2000

Int.Class H04M 1/675 ⓘ Appl.No 00101593.1 Applicant Wang Hongping Inventor Wang Hongping

The present invention includes intelligent telephone network, intelligent telephone set and intelligent card, and features that when the intelligent telephone set with inserted intelligent card is inserted to telephone jack, the information in the intelligent card is read and sent to intelligent telephone network and the intelligent telephone network cuts in after discrimination. The said method can prevent illegal use of some telephone set and default of payment. The user uses his own mini telephone set and this can bring clean and convenient condition, reduce the cost in building and maintaining public telephone system and save money for the user.

4. **103477372** DIGITAL TOKEN GENERATOR, SERVER FOR RECORDING DIGITAL TOKENS AND METHOD FOR ISSUING DIGITAL TOKEN

CN - 25.12.2013

Int.Class G07F 7/10 ⓘ Appl.No 201180070199.X Applicant Egonexus Ltd. Inventor Maevsky Dmitry

A disconnected digital token generator is provided, which is capable of generating and displaying a digital token for a customer. The customer can take a picture of the digital token using a smart phone and then communicates with a server through a hyperlink represented by the picture using the smart phone. The disconnected digital token generator thus can be used for issuing digital tokens without requiring any networks or logical connections.

ZH_ALLTXT:("智能手机" OR "智能电话" OR "灵通" OR "利用智能电话")

494,742 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Relevance Per page: 100 View: All+Image

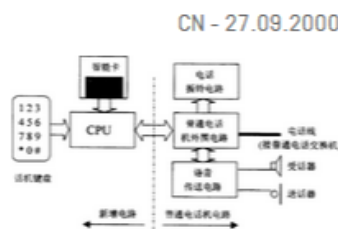
1 / 4,948

Download Machine translation

1. 1267992 USAGE OF INTELLIGENT TELEPHONE SET IN INTELLIGENT WIRE TELEPHONE NETWORK

Int.Class [H04M 1/675](#) ? Appl.No 00101593.1 Applicant Wang Hongping Inventor Wang Hongping

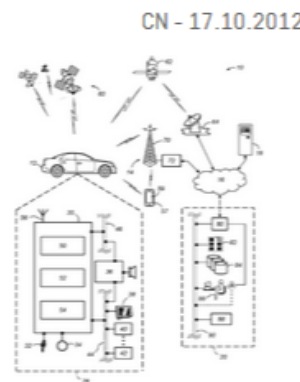
The present invention includes intelligent telephone network, intelligent telephone set and intelligent card, and features that when the intelligent telephone set with inserted intelligent card is inserted to telephone jack, the information in the intelligent card is read and sent to intelligent telephone network and the intelligent telephone network cuts in after discrimination. The said method can prevent illegal use of some telephone set and default of payment. The user uses his own mini telephone set and this can bring clean and convenient condition, reduce the cost in building and maintaining public telephone system and save money for the user.



2. 102739854 METHOD OF USING A SMART PHONE AS A TELEMATICS DEVICE INTERFACE

Int.Class [H04M 1/725](#) ? Appl.No 201210089770.9 Applicant 通用汽车有限责任公司 Inventor T.伊纳巴图尼

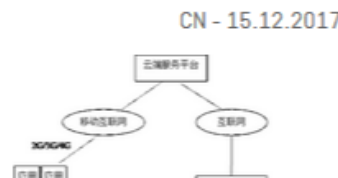
A system and method for controlling a vehicle telematics unit via a smart phone using the steps of: storing a software application for remotely controlling the telematics unit at the smart phone; using the stored software application to communicatively connect the smart phone with the telematics unit via a short-range wireless communication link; receiving data from the telematics unit that is used to display a menu of telematics service selections at the smart phone; receiving a telematics service selection from a vehicle occupant at the smart phone that is chosen from one of the displayed telematics service selections; and transmitting a command that controls at least one function of the vehicle based on the received telematics service selection from the smart phone to the telematics unit over the short-range wireless communication link.



3. 107483707 ENTERPRISE SMART PHONE

Int.Class [H04M 1/725](#) ? Appl.No 201610396121.1 Applicant CHANGSHA LIONCEN INFORMATION TECHNOLOGY CO., LTD. Inventor JIANG NING

The invention discloses a design scheme of an enterprise smart phone enabling multiple staff to make a call and answer a call. The system comprises four parts: 1. an enterprise smart phone terminal [server]; 2. a personal cellphone operating desktop; 3. a cloud service platform; and 4. an SDK. The system is mainly used for processing multiple phone lines of the enterprise, such as call transfer, voice navigation, recorded message, phone conference, auto watch, and intelligent outbound call. The personal cellphone of the staff is used as an intelligent extension. The user operates and manages the device through the intelligent



6. **205017530** 一种带智能电话功能的头戴式耳机


CN - 03.02.2016

Int.Class [H04R 1/10](#)  Appl.No 201520694486.3 Applicant 汪国印 Inventor 汪国印

本实用新型公开了一种带智能电话功能的头戴式耳机，通过在现有头戴式耳机内部增设智能电话功能模块的方式，能够方便地将头戴式耳机功能及智能电话功能集成，可以满足用户对智能手机及头戴式耳机的双重要求。本实用新型的带智能电话功能的头戴式耳机，包括头戴式耳机及话筒，并且还包括智能电话功能模块；所述智能电话功能模块为内置智能操作系统并具有电话功能的硬件模块；所述智能电话功能模块安装在所述头戴式耳机内；所述智能电话功能模块通过所述话筒及所述头戴式耳机的发声单元实现通话功能。

7. **103797520** METHOD AND SYSTEM FOR ACCESSING PLACES

CN - 14.05.2014

Int.Class [G07C 9/00](#)  Appl.No 201280043500.2 Applicant AMADEUS Inventor GUENEC MATHIEU

A method to allow automatic access by a user to a pre-reserved place, such as a hotel room, the method operating on a system, such as a hotel reservation system, which can communicate with a user smart phone application, the method comprising: receiving at the system a request from the user smart phone application to effect entry into the pre-reserved place, wherein the request includes user data relating to the user and location data relating to the place, which location data relating to the place is obtainable by the user using the smart phone to scan a code on or in the vicinity of the place and decode the code to identify the location data relating to the place; comparing in the system the user data and the location data with a list of pre-reserved places to identify a matching pre-reserved place; and, if a matching pre-reserved place is identified, automatically sending a signal to cause the pre-reserved place to be opened to allow access by the user.

8. **102340400** 通过智能电话管理的智能电话上的独立于持有者和服务者的家长控制的方法和设备


CN - 01.02.2012

Int.Class [H04L 9/32](#)  Appl.No 201110084606.4 Applicant 英特尔公司 Inventor G-普拉卡什

在一些实施例中，本发明涉及无需服务提供者介入来家长或主机控制子女或附属移动电话。本发明的一个实施例是与利用智能电话上的功能与由电话服务提供者所提供的功能独立地主机控制附属智能电话有关的系统和方法。主机和附属电话之间的通信可以利用SMS消息传递、近场通信、蓝牙、到PC的直接连接或通过其它安全的无线或有线连接来启动。一经启动，家长控制应用便捕获期望的通信事件以在附属电话上实现控制策略。可将电话之间的通信加密以防止对消息业务的恶意介入。还描述其它实施例并要求其它实施例的权利。

9. **109969198** DRIVER IDENTITY RECOGNITION DEVICE AND METHOD, INDIVIDUALIZATION SETTING SYSTEM AND STORAGE MEDIUM

CN - 05.07.2019

Int.Class [B60W 50/08](#)  Appl.No 201711438481.4 Applicant BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT Inventor TANG JIE

The invention provides a vehicle-mounted driver identity recognition device based on a smart phone. The vehicle-mounted driver identity recognition device is characterized by comprising a communication module [11] used for communication connection with the smart phone of a user, a smart phone information collecting device [12] used for collecting the names of applications in the smart phone of the user and user names used in the applications by the user, an internal memory [13] used for storing a user database which comprises driver identity information and corresponding names of the applications and user names in the smart phone, and an identity comparison device [14] used for obtaining the identity information of a driver by comparing the collected names of the applications and user names in the smart phone of the user and the names of the applications and the user names in the user database. In addition, the invention relates to a driver individualization setting system, a vehicle-mounted driver identity recognition method based on the smart phone, and a computer readable storage medium.

ZH_AB:("智能手机" OR "智能电话" OR "灵通" OR "利用智能电话")



17,288 results Offices all Languages en Stemming true Single Family Member false Include NPL false

Sort: Relevance ▼ Per page: 10 ▼ View: All ▼

< 1/1,729 >

Machine translation ▼

WIPO Translate ▼

English

French

German

Spanish

Russian

Korean

Japanese

Chinese

Arabic

Portuguese

Italian

1. **106334886** INTERWORKING CONTROLLING METHOD OF AN ELECTRONIC EYE PROTECTION APPARATUS FOR WELDING AND A SMARTPHONE

Int.Class B23K 37/00 Appl.No 102016000531135 Applicant OTOS WING. CO., LTD. Inventor MOON-YOUNG HUH

The present invention relates to the interworking controlling method of an electronic eye protection apparatus for welding and a smartphone, or more specifically, it relates to the interworking controlling method of an electronic eye protection apparatus for welding and a smartphone, which enables remote management from a smartphone by interworking history state data on utilization, operation, settings, failure of the electronic eye protection apparatus for welding and location searching and anti-theft function such as password setting of electronic eye protection apparatus for welding with a smartphone.

2. **102739854** METHOD OF USING A SMART PHONE AS A TELEMATICS DEVICE INTERFACE

Int.Class H04M 1/725 Appl.No 201210089770.9 Applicant 通用汽车有限责任公司 Inventor T.伊纳巴图尼

A system and method for controlling a vehicle telematics unit via a smart phone using the steps of: storing a software application for remotely controlling the telematics unit at the smart phone; using the stored software application to communicatively connect the smart phone with the telematics unit via a short-range wireless communication link; receiving data from the telematics unit that is used to display a menu of telematics service selections at the smart phone; selecting a telematics service selection from a vehicle occupant at the smart phone that is chosen from one of the displayed telematics service selections; and transmitting a command that controls at least one function of the vehicle over the short-range wireless communication link.

3. **1267992** USAGE OF INTELLIGENT TELEPHONE SET IN INTELLIGENT WIRE TELEPHONE NETWORK

Int.Class H04M 1/675 Appl.No 00101593.1 Applicant Wang Hongping Inventor Wang Hongping

The present invention includes intelligent telephone network, intelligent telephone set and intelligent card, and features that when the intelligent telephone set with inserted intelligent card is inserted to telephone jack, the intelligent card is read and sent to intelligent telephone network and the intelligent telephone network cuts in after discrimination. The said method can prevent illegal use of some telephone set and default of payment. The said method can bring clean and convenient condition, reduce the cost in building and maintaining public telephone system and save money for the user.

4. **103477372** DIGITAL TOKEN GENERATOR, SERVER FOR RECORDING DIGITAL TOKENS AND METHOD FOR ISSUING DIGITAL TOKEN

intelligent telephone function can be realized conveniently, thus double requirements of users on the intelligent telephone and the mouse are satisfied. The mouse with the intelligent telephone function includes a mouse module and the outer shell. Moreover, the mouse further includes the intelligent telephone function module; the intelligent telephone function module is a built-in intelligent operation system and provided with a hardware module with the telephone function; the intelligent telephone function module is installed in the outer shell.

6. **205017530 HEADSET WITH SMART PHONE FUNCTION**


CN - 03.02.2016

Int.Class [H04R 1/10](#)  Appl.No 201520694486.3 Applicant 汪国印 Inventor 汪国印

The invention discloses a headset with a smart phone function. By adding the smart phone function module in the existing headset, the headset function and the smart phone function can be conveniently integrated, and the dual requirements of the user on the smart phone and the headset can be met. The headset with the smart phone function comprises a headset and a microphone, and further comprises a smart phone function module; the smart phone function module is a hardware module which is internally provided with an intelligent operating system and has a telephone function; the smart phone function module is installed in the headset; and the smart phone function module realizes a call function through the microphone and the sound production unit of the headset

7. **103797520 METHOD AND SYSTEM FOR ACCESSING PLACES**

CN - 14.05.2014

Int.Class [G07C 9/00](#)  Appl.No 201280043500.2 Applicant AMADEUS Inventor GUENEC MATHIEU

A method to allow automatic access by a user to a pre-reserved place, such as a hotel room, the method operating on a system, such as a hotel reservation system, which can communicate with a user smart phone application, the method comprising: receiving at the system a request from the user smart phone application to effect entry into the pre-reserved place, wherein the request includes user data relating to the user and location data relating to the place, which location data relating to the place is obtainable by the user using the smart phone to scan a code on or in the vicinity of the place and decode the code to identify the location data relating to the place; comparing in the system the user data and the location data with a list of pre-reserved places to identify a matching pre-reserved place; and, if a matching pre-reserved place is identified, automatically sending a signal to cause the pre-reserved place to be opened to allow access by the user.

8. **102340400 METHOD AND APPARATUS FOR PARENTAL CONTROL OF A HOLDER AND A SERVER ON A SMART PHONE MANAGED BY A SMART PHONE**


CN - 01.02.2012

Int.Class [H04L 9/32](#)  Appl.No 201110084606.4 Applicant 英特尔公司 Inventor G.普拉卡什

In some embodiments, the present invention relates to a parent or host-controlled child or accessory mobile phone without the need for a service provider intervention. One embodiment of the present invention is a system and method related to controlling an accessory smart phone independently of a function provided by a telephone service provider using functionality on a smart phone. Communication between the host and the accessory phone may be initiated using SMS messaging, near field communication, Bluetooth, direct connection to a PC, or through other secure wireless or wired connections. Upon startup, the parental control application captures a desired communication event to implement a control policy on the accessory phone. Communication between the telephones can be encrypted to prevent malicious access to the message traffic. Other embodiments are also described and claimed.

9. **109969198 DRIVER IDENTITY RECOGNITION DEVICE AND METHOD, INDIVIDUALIZATION SETTING SYSTEM AND STORAGE MEDIUM**

CN - 05.07.2019

Int.Class [B60W 50/08](#)  Appl.No 201711438481.4 Applicant BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT Inventor TANG JIE

The invention provides a vehicle-mounted driver identity recognition device based on a smart phone. The vehicle-mounted driver identity recognition device is characterized by comprising a communication module [11] used for communication connection with the smart phone of a user, a smart phone information collecting device [12] used for collecting the names of applications in the smart phone of the user and user names used in the applications by the user, an internal memory [13] used for storing a user database which comprises driver identity information and corresponding names of the applications and user names in the smart phone, and an identity comparison device [14] used for obtaining the identity information of a driver by comparing the collected names of the applications and user names in the smart phone of the user and the names of the applications and the user names in the user database. In addition, the invention relates to a driver individualization setting system, a vehicle-mounted driver identity recognition method based on the smart phone, and a computer readable storage medium.

Exercise

What are the options to look for all documents containing *refrigerator* in the Chinese claims?

1. Search in Chinese claims

ADVANCED SEARCH ▾



ZH_CL:bing'xiang

1 冰箱

2 并向

3 兵饷

4 病象

5 并

6 兵

7 冰



Feedback Goto Search ▾ Browse ▾ Tools ▾ Setting

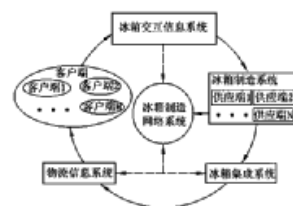
FIELD COMBINATION ▾

Operator	Field	Value	
	Front Page	Value	?
AND	Chinese Claims	bing'xiang	?
AND	Application Number	1 冰箱 2 并向 3 兵饷 4 病象 5 并 6 兵 7 冰 ☺	?

1. [103838190](#) INTERACTIVE REFRIGERATOR INTEGRATION MANUFACTURING SYSTEM AND INTERACTIVE REFRIGERATOR MANUFACTURING METHODInt.Class [G05B 19/418](#) Appl.No 201210474756.0 Applicant BEIJING ZHONGJIA ZHIMING DESIGN CO., LTD. Inventor LAN CUIQIN

The invention discloses an interactive refrigerator integration manufacturing system and an interactive refrigerator manufacturing method. A refrigerator interactive information system, a refrigerator supply system, the refrigerator integration manufacturing system, a logistics information system and a refrigerator manufacturing network system are comprised. The refrigerator manufacturing network system, the refrigerator interactive information system, the refrigerator integration manufacturing system and the logistics information system realize network connection and data transfer. The refrigerator interactive information system processes the client refrigerator information sent by a user, generates interactive refrigerator information, and sends the information to the refrigerator supply system and the refrigerator manufacturing network system. The refrigerator integration manufacturing system manufactures the refrigerator integration manufacturing information of a refrigerator integration module of the refrigerator supply system according to the refrigerator manufacturing network system into an interactive refrigerator, and the interactive refrigerator is sent to the logistics information system and is released. According to the invention, the refrigerator manufacturing system and the refrigerator integration system are controlled to produce the interactive refrigerator which meets different needs of users; and the produced interactive refrigerator is released through the logistics information system, is a personalized interactive refrigerator which meets the users, conforms to the personalized trend of the refrigerator development, is convenient for family decoration, and meets the appearance need of an electric appliance device used by current family lives.

CN - 04.06.2014

2. [WO/2020/082905](#) REFRIGERATOR, REFRIGERATOR CONTROL METHOD AND REFRIGERATOR CONTROL DEVICEInt.Class [F25D 29/00](#) Appl.No PCT/CN2019/104493 Applicant GREE ELECTRIC APPLIANCES, INC., OF ZHUHAI Inventor ZHANG, Nanyou

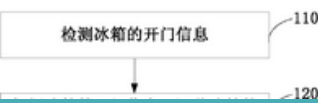
Provided are a refrigerator, a refrigerator control method and a refrigerator control device. The refrigerator control device automatically adjusts a set temperature of a compartment of the refrigerator based on the opening condition of the refrigerator, and when the number of times the refrigerator is opened is relatively small and the opening time is relatively short, the set temperature of the compartment of the refrigerator can be appropriately increased, thereby achieving the aim of saving on energy given that the refrigeration requirement of a user is met.

WO - 30.04.2020

3. [109357473](#) REFRIGERATOR AND REFRIGERATOR CONTROL METHOD AND REFRIGERATOR CONTROL DEVICEInt.Class [F25D 29/00](#) Appl.No 201811241141.7 Applicant GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI Inventor ZHANG NANYOU

The invention provides a refrigerator and a refrigerator control method and a refrigerator control device and relates to the field of refrigerators. According to the refrigerator and the refrigerator control method and the refrigerator control device, the set temperature of a chamber of the refrigerator is automatically adjusted according to the door opening condition of the refrigerator, for example, under the conditions that the

CN - 19.02.2019



2. Use WIPO Pearl to translate refrigerator

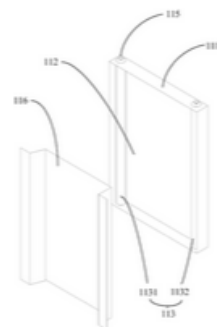
▶ EN › refrigerator	Reliability 3 / 4				...
▶ › fridge	Reliability 3 / 4				...
▶ ES › frigorífico	Reliability 3 / 4				...
▶ › nevera	Reliability 3 / 4				...
▶ › refrigerador	Reliability 3 / 4				...
▶ › heladera	Reliability 3 / 4				...
▶ FR › réfrigérateur	Reliability 3 / 4				...
▶ KO › 냉장고	Reliability 3 / 4				...
▶ ZH › 冰箱[bīngxiāng]	Reliability 3 / 4	PATENTSCOPE	Images	Concept map	...

1. **104896845** 冰箱面板、冰箱门及冰箱

Int.Class F25D 23/02 Appl.No 201510353810.X Applicant 合肥美的电冰箱有限公司 Inventor 刘秀宇

本发明公开一种冰箱面板、冰箱门及冰箱，其中，该冰箱面板安装在冰箱门上，冰箱面板包括：框体，框体安装在冰箱门上、以在框体与冰箱门之间形成容置腔；装饰层，装饰层设置于容置腔内，装饰层具有沿同一方向分布的至少两个装饰区，每一装饰区的大小与冰箱门的大小相匹配；转轴，装饰层沿装饰区分布的方向卷绕于转轴，通过转轴转动以切换不同的装饰区覆盖冰箱门。本发明的冰箱面板结构简单、成本低，可以更换不同的装饰画，适应不同的环境风格，提高了产品的利用率。

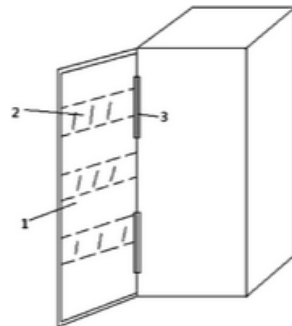
CN - 13.04.2018

2. **207945894** 冰箱门和冰箱

Int.Class F25D 23/02 Appl.No 201820329024.5 Applicant YAO WEI Inventor YAO WEI

本申请涉及一种冰箱门和冰箱，冰箱门包括：冰箱门本体，设置在冰箱门本体上的触摸感应模块和控制模块。由于在冰箱门中加入了触摸感应模块，在用户需要使用冰箱时，只需对触摸感应模块进行触摸，触摸感应模块便在感应到触摸操作时产生触摸信号并将触摸信号发送至控制模块，控制模块便可以根据触摸信号控制冰箱门本体的打开和关闭，无需用手推拉冰箱门，就可以自动打开和关闭，当用户手中有物品时、用户(如儿童、老人)身高不足时或者用户(如病人、残疾人)身体不便于行动时，也可以很方便地打开冰箱门。由于用户只有在需要打开冰箱门时，才会触摸冰箱门，冰箱门只有在被触摸时才会打开、关闭，不会出现无意义打开的情况。冰箱包括上述冰箱门。

CN - 09.10.2018

3. **203454576** 冰箱及冰箱抽屉

CN - 26.02.2014

1. **103838190** 交互式冰箱集成制造系统及交互式冰箱制造方法

CN - 04.06.2014

Int.Class G05B 19/418 ? Appl.No 201210474756.0 Applicant BEIJING ZHONGJIA ZHIMING DESIGN CO., LTD. Inventor LAN CUIQIN

本发明公开一种交互式冰箱集成制造系统及交互式冰箱制造方法，包括冰箱交互信息系统、冰箱供应系统、冰箱集成制造系统、物流信息系统和冰箱制造网络系统，所述冰箱制造网络系统分别与所述冰箱交互信息系统、冰箱集成制造系统和物流信息系统网络连接并传输数据，冰箱交互信息系统处理用户发送的客户端的冰箱信息生成交互式冰箱信息并发送至冰箱供应系统和冰箱制造网络系统，冰箱集成制造系统将冰箱供应系统的冰箱集成模块依据冰箱制造网络系统的冰箱集成制造信息制造成交互式冰箱并传输至物流信息系统发布所述的交互式冰箱。因此，本发明控制冰箱制造系统和冰箱集成系统生产满足不同的用户需求的交互式冰箱，通过物流信息系统发布生产的交互式冰箱，满足用户所提出的个性化的交互式冰箱，符合冰箱发展的个性化趋势，便于家庭的装饰和符合当前家庭生活使用电器设备的美观需求。

2. **WO/2020/082905** 冰箱以及冰箱控制方法和冰箱控制装置

WO - 30.04.2020

Int.Class F25D 29/00 ? Appl.No PCT/CN2019/104493 Applicant GREE ELECTRIC APPLIANCES, INC., OF ZHUHAI Inventor ZHANG, Nanyou

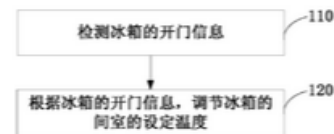
提供一种冰箱以及冰箱控制方法和冰箱控制装置。该冰箱控制装置根据冰箱开门情况自动调节冰箱的间室的设定温度，在冰箱的开门次数比较少且开门时间比较短的情况下，可以适当调高冰箱的间室的设定温度，在满足用户制冷需求的前提下，达到节能的目的。

3. **109357473** 冰箱以及冰箱控制方法和冰箱控制装置

CN - 19.02.2019

Int.Class F25D 29/00 ? Appl.No 201811241141.7 Applicant GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI Inventor ZHANG NANYOU

本公开提出一种冰箱以及冰箱控制方法和冰箱控制装置，涉及冰箱领域。本公开根据冰箱开门情况自动调节冰箱的间室的设定温度，例如在冰箱的开门次数比较少且开门时间比较短的情况下，可以适当调高冰箱的间室的设定温度，在满足用户制冷需求的前提下，达到节能的目的。



CROSS LINGUAL EXPANSION ▾

Search terms... *

refrigerator

Query Language"

English ▾

The language of your query

Expansion Mode:

Automatic

Supervised

Use the **Supervised** mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by

Precision level ▾

High

Influences the precision of the suggested variants.

Highest level considers only the most relevant ones [less suggested variants]

Lowest level considers the less relevant as well [more suggested variants]

Search

EN_AB:("refrigerator") OR FR_AB:("réfrigérateur" OR "frigorifique" OR "frigorigène" OR "refroidissement") OR DE_AB:("Kühlschrank" OR "Kühl" OR "Kältemittel" OR "Kältegerät" OR "Kühlvorrichtung" OR



1,182,007 results Offices all Languages all Stemming true Single Family Member false Include NPL false



FULL QUERY

Close

Edit


EN_AB:("refrigerator") OR FR_AB:("réfrigérateur" OR "frigorifique" OR "frigorigène" OR "refroidissement") OR DE_AB:("Kühlschrank" OR "Kühl" OR "Kältemittel" OR "Kältegerät" OR "Kühlvorrichtung" OR "Kühlmittel" OR "Kühlung" OR "Kälte" OR "Gekühl") OR ES_AB:("refrigerador" OR "frigorífico") OR PT_AB:("refrigerador") OR JA_AB:("冷媒" OR "冷凍" OR "冷蔵" OR "冷蔵庫" OR "冷凍冷蔵" OR "冷却貯蔵庫" OR "冷却器" OR "冷却機" OR "こ") OR RU_AB: ("холодильника" OR "холодильный аппарат" OR "холодильная" OR "изотермического" OR "хладагента" OR "холода" OR "охлаждения" OR "охлаждающих") OR ZH_AB:("制冷" OR "制冷剂" OR "冷藏" OR "冰箱" OR "具有的制冷器具" OR "具有其的冷柜" OR "及其制冷" OR "冻库" OR "用于致冷器") OR KO_AB:("냉장고" OR "냉장고용" OR "냉매" OR "냉동" OR "냉장" OR "냉각") OR IT_AB:("frigorifero" OR "refrigeratore" OR "apparecchi" OR "frigorigeno") OR SV_AB:("kyl" OR "kylskåp" OR "ingaaende" OR "kylskaap" OR "nedkylning" OR "köldmedier" OR "kylanläggning" OR "kylmöbel" OR "kylmedium") OR NL_AB:("koelkast met open voorzijde" OR "koelinrichting" OR "koude" OR "koeling" OR "koelmiddel" OR "koelstelsel" OR "koudemiddel" OR "koelsysteem") OR PL_AB:("szaf" OR "chłodziarki" OR "lodówek" OR "chłodniczego" OR "czynnika chłodniczego") OR DA_AB:("køleskab" OR "kølemiddel" OR "koele" OR "kølemøbeldør" OR "frysevæske" OR "kølemaskine" OR "køle" OR "køleanlæg" OR "multikomponent")

ADVANCED SEARCH ▾



ZH_CL:("制冷" OR "制冷剂" OR "冷藏" OR "冰箱" OR "具有的制冷器具" OR "具有其的冷柜" OR "及其制冷" OR "冻库" OR "用于致冷器")

Query Assistant [Query Examples](#)

 Expand with related terms

Open Drying Tumbler

PUSH TO START

IMPORTANT
• DO NOT DRY PLASTIC OR RUBBERIZED ARTICLES. DRY ONLY WATER WASHED FABRICS.
• KEEP LINT TRAP CLEAN.

IMPORTANT
• NE PAS SÈCHER LES ARTICLES EN PLASTIQUE ET CAOUTCHOUC. SÈCHER LES MATÉRIELS LAVABLES SEULEMENT.
• TENEZ VOTRE FILTRE CHARGES PROPRES.



Exercise

What keywords to use to find patent documents related to cloth dryer?

- CLIR: cloth dryer

English French German Spanish Portuguese Japanese Russian Chinese Korean Italian Swedish Dutch Polish Danish IPC

Search terms... *

"cloth drying" OR "cloth dryer"~21 OR "cloth drier"~21 OR "cloth desiccating"~21 OR "fabric drying"~21 OR "fabric dryer"~21 OR "fabric drier"~21 OR "fabric desiccating"~21 OR "garments drying"~21 OR "garments dryer"~21 OR "garments drier"~21 OR "garments desiccating"~21 OR "laundry drying"~21 OR "laundry dryer"~21

- Find other way to express the cloth drying process: remove water from cloths

(remove OR eliminate OR clear OR discharge)

(water OR liquid OR moisture)

(dry OR desiccation OR evaporation OR dehydration)

(cloth OR fabric OR garment OR laundry OR textile)



Exercise: downhill ski binding

How to:

1. Familiarize with technical domains?
2. Any key words to exclude? If yes, how?
3. Find synonyms?
4. Find translations?
5. Find IPCs?

ADVANCED SEARCH ▼



EN_ALLTXT:(ski NEAR8 binding)

Query Assistant [Query Examples](#)

+ Expand with related terms

Offices

All



Languages

All



Stemming

Single Family Member

Include NPL

Reset

Search

EN_AB:(ski binding)ANDNOT ("cross country" OR crosscountry OR telemark OR "tele mark")



3,573 results Offices all Languages all Stemming true Single Family Member false Include NPL true



Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1/36 >

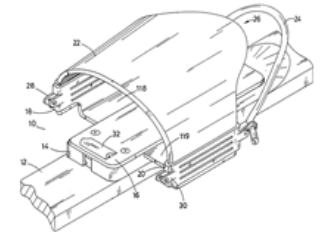
Download ▼ Machine translation ▼

1. **5413373** SOLO SKI SYSTEM

US - 09.05.1995

Int.Class [A63C 9/02](#) Appl.No 08135049 Applicant Evans Slalom Ski Binding Company Inventor Evans Robert M.

A solo **ski** system which contains a **ski**, a first **ski binding** mounted on the **ski**, and a second **ski binding** mounted on the **ski** in back of the first **ski binding**. The second **ski binding** is suitable for removably attaching a boot to a **ski**. It contains a base plate, a first mounting stud attached to the base plate, a second mounting stud attached to the base plate, a **binding** base removably and pivotally attached to the first mounting stud. The **ski binding** is adjustably and releasably attached to the boot.

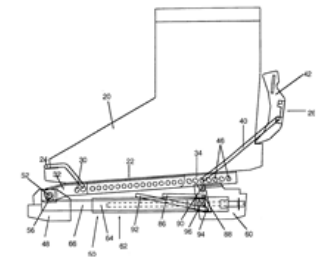


2. **5560633** DOWNHILL SKI BINDING ADAPTER

US - 01.10.1996

Int.Class [A63L 9/085](#) Appl.No 08306903 Applicant MCGOWAN; BRUCE Inventor McGowan Bruce

An improved downhill **ski binding** adapter, which allows a downhill **ski** boot to pivot near the toe on a downhill **ski** with a downhill **ski binding**, having a structurally stable stationary mount unit and being fully adjustable to accommodate all standard size **ski** boots and standard downhill **ski binding** spacings without interference with the downhill **ski binding**.



3. **5273305** SKI AND SKI-BINDING COMBINATION

US - 28.12.1993

Int.Class [A63C 5/04](#) Appl.No 07803481 Applicant HTM Sport- und Freizeitgeraete Gesellschaft m. b. H. Inventor Erdei Roland

A **ski** and **ski-binding** combination. The **ski** has several holes for receiving therein fastening screws for the selective fastening of **ski-binding** elements arranged in the **ski** in the **binding**-installation area. The holes are covered, however, are marked to the outside by markings. The arrangement of holes for the **ski-binding** elements is adjusted to the length of the **ski** and chosen such that the **ski bindings** are suited to receive only a limited number of successive **ski**-boot sizes.



(EN_AB:("ski binding" OR "binding element" OR "fixing skis" OR "safety ski" OR "binding ski" OR "ski attaching device" OR "ski device" OR "ski harness" OR "ski clip" OR "ski clamp" OR "ski fastening device" OR "binding part" OR "fastening element" OR "retention element assembly adapted") OR FR_AB:("fixation de ski" OR "élément de fixation" OR "fixation de skis" OR "élément d accrochage" OR "fixations chaussure" OR "élément d'accrochage" OR "fixations une chaussure" OR "fixation ski" OR "sécurité pour ski" OR "sécurité pour skis" OR "perfectionnement aux fixations de ski" OR "sûreté pour ski" OR "ski et dispositif de ski" OR "dispositif de skis") OR DE_AB:("Skibindungen" OR "Sicherheitsskibindung" OR "Bindungselement" OR "Einzelteils" OR "Bindungseinzelteils" OR "Anhängeelements" OR "Skinbindung" OR "Skisicherheitsbindung" OR "Befestigungselement" OR "Bindungssystem" OR "Bindungsteil" OR "Skivorrichtung" OR "Sicherheits Ski" OR "Skiaufsatz") OR ES_AB:("elemento de enganche" OR "fijación de esquí" OR "dispositivos de fijación" OR "esquí de seguridad" OR "seguridad de esquís" OR "seguridad para esquí" OR "esquí comportando") OR JA_AB:("スキービンディング" OR "スキーバインディング" OR "スキーバインディング" OR "締め具要素" OR "安全スキー" OR "アルペンスキー用締め具" OR "スキービンディング" OR "安全スキ") OR RU_AB:("павлуша" OR "лыжного крепления" OR "крепежный элемент" OR "горнолыжного" OR "безопасных лыжных" OR "принадлежность лыжи") OR ZH_AB:("滑雪板紧固" OR "滑雪板固定器") OR KO_AB:("바인딩 스키"~22 OR "묶음용 스키"~22) OR IT_AB:("attacco per sci" OR "attacco da sci ad" OR "attacco da sci" OR "attacco da sci" OR "sicurezza per sci" OR "sci attacco" OR "attacco da sci" OR "sicurezza per sci" OR "sci comportante" OR "collegamento per sci" OR "dispositivo per sci" OR "sci di sicurezza" OR "parte d attacco") OR SV_AB:("samt bindning" OR "skidbinding på" OR "skidbindsle" OR "slidbinding" OR "klackskidbinding" OR "skidbinding påen" OR "användas med en skidbinding" OR "skidbinding") OR NL_AB:("ski binding"~22) OR PL_AB:("bezpiecznych") OR DA_AB:("skibinding" OR "skiklemme" OR "ski snowboard"~22)) AND ICF:(A63 OR F41B) ANDNOT (crosscountry OR "cross country" OR telemark)

SPRT / WINTER SPORTS

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▶ DE › Skibindung	Reliability 3 / 4	...
▶ EN › ski binding	Reliability 3 / 4	...
▶ ES › fijación de esquí	Reliability 3 / 4	...
▶ FR › fixation de ski	Reliability 3 / 4	...
▶ JA › スキーピンディング	Reliability 3 / 4	...
▶ PT › fixador de esqui	Reliability 1 / 4	...
▶ KO › 스키 바인딩	Machine translation	...
▶ RU › Лыжное крепление	Machine translation	...
▶ ZH › 滑雪板结合	Machine translation	...



Mandelan johtamiskäsitteet
2 minuuttia

- Jos haluat ylläpitää tiimiä on, ainakin kolme asiaa, jotka sinun on otettava huomioon
- Työni, Miettesuunnitelma



Next session: August 11

- Result list
- Analysis feature
- NPL
- Families

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NATIONAL COLLECTIONS - DATA COVERAGE

Offices for which PCT national phase information is available

Updated: July 20, 2021

Country	Latest Biblio	Update Frequency	Biblio Data	Abstract	Chemical Data	Chemical indexed	Doc images	OCR (full-text) Indexed	Nb records
PCT	20.07.2021	Daily	19.10.1978 - 15.07.2021	19.10.1978 - 15.07.2021	11.01.1979 - 01.07.2021	850,853	4,097,193	Total: 4,092,462 English: 2,332,377 French: 137,295 Spanish: 28,021 German: 407,943 Korean: 129,359 Japanese: 681,796 Chinese: 349,240 Russian: 21,062 Portuguese: 5,369	4,097,193
African Regional Intellectual Property Organization (ARIPO)			03.07.1985 - 28.07.2008	03.07.1985 - 28.07.2008			1,676	Total: 1,671 English: 1,671	1,868
Argentina	18.06.2021	Monthly	11.02.1965 - 26.05.2021	31.10.1990 - 26.05.2021			9,741	Total: 8,906 Spanish: 8,906	167,041
Australia	16.07.2021	Weekly	14.01.1900 - 15.07.2021	08.01.1981 - 15.07.2021				Total: 675,728 English: 675,728	1,781,609





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