

PATENTSCOPE summer course

Session 3: reading and narrowing down your results, NPL
& patent families

Session 3

- Result list, NPL & patent families

Session 4 August 24, 2021

- chemical searches and combination of all the studied features during summer course
- Session 2, 3 & 4 repeated in August/September

Format

- Review theory
- 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

Search results list

*Today the French company announced its financial **result** for the first half of 2008 with revenue coming in at*

CROSS LINGUAL EXPANSION

ADVANCED SEARCH

Search terms

Query Assistant [Query Examples](#)

Expand with related terms

Offices
All

Languages
All

Stemming

Single Family Member

Include NPL

FIELD COMBINATION

Operator	Field	Value
AND	Front Page	
AND	WIPO Publication Number	
AND	Application Number	
AND	Publication Date	
AND	Abstract	
AND	Abstract	
AND	Licensing availability	Is Empty: N/A

WIPO IP PORTAL MENU PATENTSCOPE

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Field Front Page

Search terms...

CHEMICAL COMPOUNDS SEARCH

Search type
Compound name

Search for scaffold

Include enumerated Markush structures

Offices
All

FP:(electric bicycle)



16,381 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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

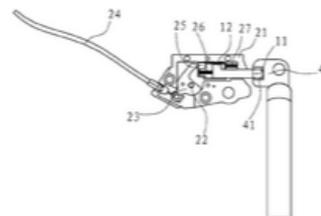
< 1/164 >

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1. 102745284 ELECTRIC BICYCLEInt.Class [B62H 1/04](#) Appl.No 201210266449.3 Applicant Ningbo Dandelion Vehicle Industry Technology Co., Ltd. Inventor Chen Quanfeng

The invention relates to an **electric bicycle** which comprises a **bicycle** body, wherein a **bicycle** lock mechanism is arranged on the **bicycle** body, and a pedal which is rotatably connected with the **bicycle** body is arranged at the lower part of the **bicycle** body. The **electric bicycle** is characterized by also comprising a pedal locking mechanism, wherein the pedal locking mechanism comprises a locking rod and a drive mechanism; the locking rod is movably arranged at the inner side of the **electric bicycle** pedal, has an extension state and a withdrawing state and is abutted against the inner side of the **electric bicycle** pedal in the extension state, so that the **electric bicycle** pedal can be prevented from sliding towards the tail of an **electric bicycle** and dropping off from a landing state; and the drive mechanism is connected with the locking rod and drives the locking rod so that the locking rod keeps the extension state or the withdrawing state, and the drive mechanism is connected with the **bicycle** lock mechanism of the **electric bicycle**. Compared with the prior art, the **electric bicycle** has the advantages that by arranging the locking rod which is connected with and driven by the **bicycle** lock mechanism of the **electric bicycle** at the inner side of the **electric bicycle** pedal, after the **bicycle** lock mechanism is locked, the locking rod is driven by the drive mechanism to extend outwards and abut against the inner side of the **electric bicycle** pedal, so that the **electric bicycle** pedal can be effectively prevented from sliding towards the tail of the **electric bicycle** and dropping off from the landing state.

CN - 24.10.2012

**2. 111063120 ELECTRIC BICYCLE CONTROL METHOD, ELECTRIC BICYCLE AND ELECTRIC BICYCLE SYSTEM**Int.Class [G07F 17/00](#) Appl.No 201911203200.6 Applicant BEIJING MOBIKE TECHNOLOGY CO., LTD. Inventor JIN HONGDU

The invention discloses an **electric bicycle** control method, an **electric bicycle** and an **electric bicycle** system. The method comprises the steps that a server responds to an unlocking request sent by a user terminal for the **electric bicycle** and sends an unlocking instruction to the **electric bicycle**; the **electric bicycle** responds to the unlocking instruction, detects whether the **electric bicycle** meets a first unlocking condition or not, and controls a lock of the **electric bicycle** to be unlocked under the condition that the **electric bicycle** meets the first unlocking condition; the server sends a locking instruction to the **electric bicycle** in response to a locking request sent by the user terminal for the **electric bicycle**; the **electric bicycle** responds to the locking instruction, detects whether the **electric bicycle** meets a first locking condition or not, and controls the **bicycle** lock to be locked under the condition that the **electric bicycle** meets the first locking condition. The first locking condition comprises that a parameter value representing the current running speed of the **electric bicycle** is smaller than or equal to a set safety threshold value.

CN - 24.04.2020

**3. 107160957 ELECTRIC BICYCLE WITH MICRO-ELECTRIC PUMP**Int.Class [B60C 23/10](#) Appl.No 102017000222108 Applicant WEI HONGYAN Inventor WEI HONGYAN

The invention belongs to an **electric bicycle** with a micro-**electric** pump, relates to the field of **electric** bicycles, in particular to an **electric bicycle**, and aims to provide an **electric bicycle** with the micro-**electric** pump. A user conveniently goes to work by riding the **electric bicycle**, cargoes are conveniently conveyed by the **electric bicycle**, the user frequently needs to manually push the **electric bicycle** to walk an inflatable maintenance point if gas in tires of the **electric bicycle** leaks, and labor and time are wasted. The **electric bicycle** is characterized in that the **electric bicycle** comprises a micro-**electric** pump fixing frame, a control panel, a pump pipe, a valve core placing box, a valve core fixing frame, a pressure meter fixing box, an **electric** micro-**electric** pump and a storage battery, the micro-**electric** pump fixing frame and the control panel are fixed on a seat tube of the **electric bicycle**, the pump pipe, the valve core placing box and the valve core fixing frame are fixed on an upper tube of the **electric bicycle**, the pressure meter fixing box is fixed on a front tube of the **electric bicycle**, the **electric** micro-**electric** pump is arranged in the micro-**electric** pump fixing frame, the storage battery is fixed on a carrying frame below a seat of the **electric bicycle** and

CN - 15.09.2017

NO
IMAGE
AVAILABLE

FP:(electric bicycle)



✓
FP:(electric bicycle)

- term
- term*
- t?rm
- te*m
- term-
- term^10
- [term1 AND term2]
- [term1 NEAR term2]
- [term1 OR term2]
- [term1 ANDNOT term2]

111052120 ELECTRIC BICYCLE CONTROL METHOD, ELECTRIC BICYCLE AND ELECTRIC BICYCLE SYSTEM

01/24/04

FP:(electric bicycle) AND PA:shimano

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



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

1/4

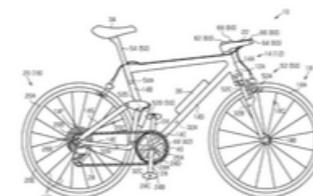
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1. **20180037294** BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE

US - 08.02.2018

Int.Class **B62K 25/04** Appl.No 15641744 Applicant **Shimano** Inc. Inventor Tadaharu KUROTOBI

A bicycle control device is provided that allows the rider to ride a bicycle comfortably. A bicycle electric assist unit is provided that includes the bicycle control device. The bicycle control device includes an electronic controller that controls an operational state of a bicycle component based on at least an operational state of the bicycle electric assist unit. The bicycle component includes at least one of an electric suspension and an electric adjustable seatpost.



2. **20190009780** BICYCLE COMPONENT CONTROL SYSTEM

US - 10.01.2019

Int.Class **B60W 30/182** Appl.No 15644375 Applicant **Shimano** Inc. Inventor Atsushi Komatsu

A bicycle component control system is basically provided with an electronic controller. The electronic controller is configured to output a control signal to operate both of a first bicycle electric component and a second bicycle electric component in accordance with a correspondence table between an operating state of the first bicycle electric component and an operating state of the second bicycle electric component. The first bicycle electric component includes one of a height adjustable seatpost and a suspension. The second bicycle electric component includes one of a gear transmission and the other of the height adjustable seatpost and the suspension.



Exercise

Using:

1. a. the Simple search interface: search for *Apple*
b. then in the results, add the *publication date range 2018 – 2019- 2020*

2. a. the Field Combination interface search for the applicant *Stellenbosch University – licensing information*
b. add the *CPC code Y02E*

Exercise

Using:

1.
 - a. **the simple search interface: search for Apple**
 - b. **then in the results, add the publication date range 2018 – 2019- 2020**

2.
 - a. the Field Combination interface search for the applicant Stellenbosch University – licensing information
 - b. add the cpc code Y02E

SIMPLE SEARCH

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Field

Names



Search terms...

Apple



Query Examples

Offices

All



ALLNAMES:(Apple)

54,830 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Pub Date Desc ▼ Per page: 100 ▼ View: All+Image ▼

< 1 / 549 >

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1. [WO/2021/150517](#) INSTRUCTION-LEVEL CONTEXT SWITCH IN SIMD PROCESSOR

WO - 29.07.2021

Int.Class [G06F 9/30](#) [?](#) Appl.No PCT/US2021/013989 Applicant APPLE INC. Inventor GOODMAN, Benjiman L.

Techniques are disclosed relating to context switching in a SIMD processor. In some embodiments, an apparatus includes pipeline circuitry configured to execute graphics instructions included in threads of a group of single-instruction multiple-data [SIMD] threads in a thread group. In some embodiments, context switch circuitry is configured to atomically: save, for the SIMD group, a program counter and information that indicates whether threads in the SIMD group are active using one or more context switch registers, set all threads to an active state for the SIMD group, and branch to handler code for the SIMD group. In some embodiments, the pipeline circuitry is configured to execute the handler code to save context information for the SIMD group and subsequently execute threads of another thread group. Disclosed techniques may allow instruction-level context switching even when some SIMD threads are non-active.

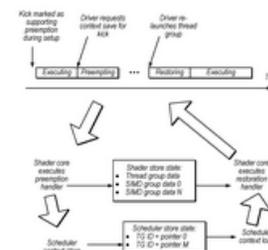


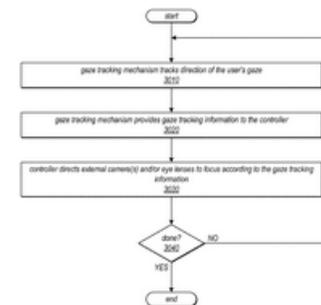
FIG. 2

2. [20210235054](#) FOCUSING FOR VIRTUAL AND AUGMENTED REALITY SYSTEMS

US - 29.07.2021

Int.Class [H04N 13/117](#) [?](#) Appl.No 17227187 Applicant Apple Inc. Inventor D. Amnon Silverstein

Methods and apparatus for focusing in virtual reality [VR] or augmented reality [AR] devices based on gaze tracking information are described. Embodiments of a VR/AR head-mounted display [HMD] may include a gaze tracking system for detecting position and movement of the user's eyes. For AR applications, gaze tracking information may be used to direct external cameras to focus in the direction of the user's gaze so that the cameras focus on objects at which the user is looking. For AR or VR applications, the gaze tracking information may be used to adjust the focus of the eye lenses so that the virtual content that the user is currently looking at on the display has the proper vergence to match the convergence of the user's eyes.



3. [20210233323](#) METHOD AND DEVICE FOR UTILIZING PHYSICAL OBJECTS AND PHYSICAL USAGE PATTERNS FOR PRESENTING VIRTUAL CONTENT

US - 29.07.2021

Int.Class [G06T 19/00](#) [?](#) Appl.No 17231917 Applicant Apple Inc. Inventor Gutemberg B. Guerra Filho



ALLNAMES:(Apple) AND DP:[2018 TO 2020]

14,937 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Pub Date Desc ▼ Per page: 100 ▼ View: All+Image ▼

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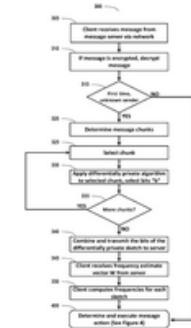
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1. [20200412681](#) DIFFERENTIAL PRIVACY FOR MESSAGE TEXT CONTENT MINING

Int.Class [H04L 12/58](#) Appl.No 17018987 Applicant Apple Inc. Inventor Eric D. Friedman

Systems and methods are disclosed for determining whether a message received by a client may be spam, in a computing environment that preserves privacy. The message may be encrypted. A client invokes the methods when a message is received from a sender that is not known to the client. A client can decrypt the message, break the message into chunks, and apply a differentially private algorithm to the set of chunks. The client transmits the differentially private message sketches to an aggregation server. The aggregation server receives a large collection of such message sketches for a large plurality of clients. The aggregation server returns aggregated message chunk (e.g. frequency) information to the client to assist the client in determining whether the message may be spam. The client can process the message based on the determination without disclosing the message content to the server.

US - 31.12.2020

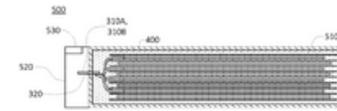


2. [20200411810](#) BATTERY CELL TABS WITH A UNITARY SEAL

Int.Class [H01M 2/08](#) Appl.No 17017314 Applicant Apple Inc. Inventor Yuriy L. Londarenko

The disclosed technology relates to a set of battery tabs. The battery tabs include a first tab forming an elongated member, a second tab forming an elongated member, and a unitary seal surrounding a portion of the respective elongated members of the first tab and the second tab. The unitary seal spaces the first tab apart from the second tab to create a gap between the first tab and the second tab. The first tab and second tab each connect to respective electrodes enclosed within a pouch of a battery cell to allow the cell's energy to be transferred to an external component.

US - 31.12.2020



3. [20200413370](#) NEXT GENERATION NODE-B (gNB) AND METHODS TO INDICATE A TYPE OF ACCESS FOR PAGING OF A USER EQUIPMENT (UE)

Int.Class [H04W 68/00](#) Appl.No 17017301 Applicant Apple Inc. Inventor Alexandre Saso Stojanovski

Embodiments of a Next Generation Node-B (gNB) and methods of communication are disclosed herein. The gNB may be configured with a gNB-CU and a gNB-DU. A first paging message for paging of the UE may be received at the gNB-CU from an access management function (AMF) entity. The first paging message may include: a paging identity of the UE; and a paging origin information element (IE) that indicates whether the paging of the UE is originated due to a protocol data unit (PDU) session from non-3GPP access. A second paging message to page the UE may be transmitted from the gNB-DU to the UE. The second paging message may include: the paging identity of the UE; and an access type parameter that indicates whether the paging of the UE is originated due to the PDU session from the non-3GPP access.

US - 31.12.2020



Exercise

Using:

1. A. the simple search interface: search for Apple
B. then in the results, add the publication date range 2018 – 2019- 2020
2. **a. the Field Combination interface search for the applicant Stellenbosch University – licensing information**
b. add the cpc code Y02E

		Field Front Page	▼	Value	?
Operator AND	▼	Field Applicant Name	▼	Value stellenbosch university	?
Operator AND	▼	Field Application Number	▼	Value	?
Operator AND	▼	Field Publication Date	▼	Value	?
Operator AND	▼	Field Abstract	▼	Value	?
Operator AND	▼	Field Abstract	▼	Is Empty:	▼
Operator AND	▼	Field Licensing availability	▼	<input checked="" type="checkbox"/>	

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

84 results

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Search

PA:(stellenbosch university) +LI:1



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< 1/1 ▾ >

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1. [WO/2014/136032](#) A STREAM TURBINE

WO - 12.09.2014

Int.Class [F03D 1/04](#) Appl.No PCT/IB2014/059385 Applicant [STELLENBOSCH UNIVERSITY](#) Inventor VON BACKSTRÖM, Theodor Willem

A stream turbine [1] is provided having a rotor [3] secured to a shaft [4]. A shroud [7] extends over the rotor and is shaped to accelerate fluid flow within the shroud. The outer surface [14] of the shroud extends generally parallel to the shaft [4]. An upstream nozzle ring [17] and a downstream nozzle ring [21] are provided on either end of the shroud with a mixer [19] between the shroud and the downstream nozzle ring.

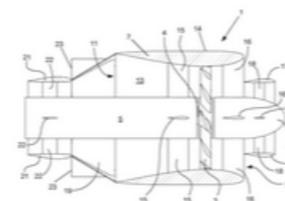


Figure 1

2. [WO/2015/159239](#) A METHOD FOR DIAGNOSING TUBERCULOUS MENINGITIS

WO - 22.10.2015

Int.Class [G01N 33/68](#) Appl.No PCT/IB2015/052751 Applicant [STELLENBOSCH UNIVERSITY](#) Inventor CHEGOU, Novel Njweipi

A method for diagnosing tuberculous meningitis (TBM) is described herein. A fluid sample from a subject suspected of having TBM is tested for the presence of at least two of Interleukin-13 [IL-13], Vascular endothelial growth factor [VEGF], Cathelicidin [LL-37], IL- 7, IL-12p70, IFN- γ , IL-6, IL-10, IL-13, IP-10, MIP-1a, MIP-1b, RANTES and GM-CSF. Increased levels of at least any two of these biomarkers in the sample compared to levels in subjects without TBM are indicative that the subject has TBM.



3. [WO/2015/049648](#) AN ORAL HYGIENE INSTRUMENT

WO - 09.04.2015

Int.Class [A46B 5/04](#) Appl.No PCT/IB2014/064994 Applicant [STELLENBOSCH UNIVERSITY](#) Inventor GROBLER, Annemarie

An oral hygiene instrument [100] is described herein. The instrument [100] includes an elongate, generally planar, tape-like body [110] including a cleaning area on a first major surface [112] thereof. The instrument has a fastening arrangement configured to secure the body [110] in position after wrapping it around a suitable carrier such as a user's finger, for example by securing a portion of a second major surface [114] of the body [110] back onto the first [112]. The cleaning area defines a plurality of resiliently flexible bristles [120] and the instrument has an oral hygiene agent [130] deposited on one or more of the first major surface [112] cleaning area and bristles [120] which may be activated upon contact with water or other liquid

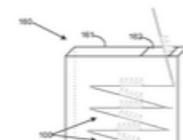


Figure 5

1. [WO/2014/174384](#) PACKED ROCK BED THERMAL ENERGY STORAGE FACILITY

WO - 30.10.2014

Int.Class [F28D 20/00](#)  Appl.No PCT/IB2014/059918 Applicant [STELLENBOSCH UNIVERSITY](#) Inventor KRÖGER, Detlev, Gustav

A packed rock bed thermal energy storage facility is provided in the form of a pile of unconstrained rock that is free to expand and contract with changing temperature without creating significant stress. A hot fluid inlet and outlet space is provided above the bed and a cold fluid inlet and outlet space is formed by a grid and larger rocks, or by larger rocks only, that support the pile toward a bottom of the bed. Fluid flow can occur downward through the rock bed during heating of the bed and upward through the rock bed during cooling of the bed in a heat recovery cycle. The bed is completely covered by an insulated arched roof. The rock bed may be an enclosure having a roof, walls and a floor with a lower central region and somewhat inclined side regions extending at a gentle slope towards sidewalls supporting the roof.

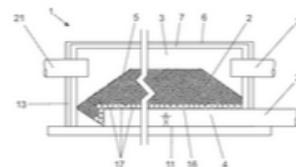


Figure 2

2. [WO/2013/160872](#) SOLAR POWER TOWER RECEIVER

WO - 31.10.2013

Int.Class [F24J 2/04](#)  Appl.No PCT/IB2013/053287 Applicant [STELLENBOSCH UNIVERSITY](#) Inventor KRETZSCHMAR, Holger

A central receiver for a solar power facility is provided comprising an arrangement of heat absorber tubes located in a chamber having a window that, in use, is to receive solar radiation reflected by a heliostat field. The heat absorber tubes extend transversely relative to the window and are connected into a working fluid circuit. The window forms an atmospheric air inlet and the chamber has an outlet in a region opposite the window. An air flow promoting fan induces a flow of atmospheric air inwards through the window, past the absorber tubes; and through the outlet. The receiver preferably includes multiple rows of unpressurized louvers or panes having oblique frontal surfaces such that reflected rays travel into the chamber and provide a leading row in which the temperature of the louvers is, under operating conditions, maintained at a level low enough to reduce thermal reflection and radiation losses.

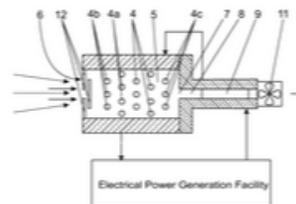


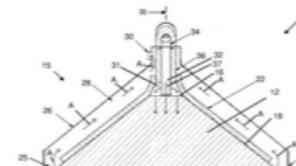
Figure 2

3. [WO/2019/211786](#) THERMAL ENERGY STORAGE FACILITY

WO - 07.11.2019

Int.Class [F28D 20/00](#)  Appl.No PCT/IB2019/053591 Applicant [STELLENBOSCH UNIVERSITY](#) Inventor VON BACKSTRÖM, Theodor Willem

There is provided a thermal energy storage facility comprising a packed bed formed by a pile of elements. The packed bed includes sides that slope from a top of the pile to a bottom of the pile at their natural angle of repose. A duct is provided and has a heat exchange end in fluid communication with the packed bed at a heat exchange zone and an opposite fluid supply end. The duct enables a working fluid at elevated temperature to be introduced into the packed bed during a charge cycle. The duct further enables the working fluid to be conveyed through a charged packed bed during a discharge cycle. A barrier extends across at least a major portion of the sloping sides of the packed bed to inhibit the movement of the working fluid therethrough.

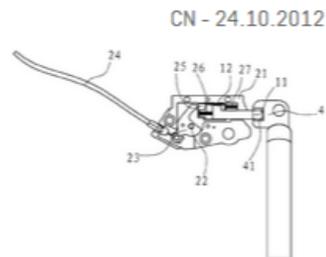




1. **102745284** ELECTRIC BICYCLE

Int. Class B62H 1/04  Appl.No 201210266449.3 Applicant Ningbo Dandelion Vehicle Industry Technology Co., Ltd. Inventor Chen Quanfeng

The invention relates to an electric bicycle which comprises a bicycle body, wherein a bicycle lock mechanism is arranged on the bicycle body, and a pedal which is rotatably connected with the bicycle body is arranged at the lower part of the bicycle body. The electric bicycle is characterized by also comprising a pedal locking mechanism, wherein the pedal locking mechanism comprises a locking rod and a drive mechanism; the locking rod is movably arranged at the inner side of the electric bicycle pedal, has an extension state and a withdrawing state and is abutted against the inner side of the electric bicycle pedal in the extension state, so that the electric bicycle pedal can be prevented from sliding towards the tail of an electric bicycle and dropping off from a landing state; and the drive mechanism is connected with the locking rod and drives the locking rod so that the locking rod keeps the extension state or the withdrawing state, and the drive mechanism is connected with the bicycle lock mechanism of the electric bicycle. Compared with the prior art, the electric bicycle has the advantages that by arranging the locking rod which is connected with and driven by the bicycle lock mechanism of the electric bicycle at the inner side of the electric bicycle pedal, after the bicycle lock mechanism is locked, the locking rod is driven by the drive mechanism to extend outwards and abut against the inner side of the electric bicycle pedal, so that the electric bicycle pedal can be effectively prevented from sliding towards the tail of the electric bicycle and dropping off from the landing state.



2. **111063120** ELECTRIC BICYCLE CONTROL METHOD, ELECTRIC BICYCLE AND ELECTRIC BICYCLE SYSTEM

Int. Class G07F 17/00  Appl.No 201911203200.6 Applicant BEIJING MOBIKE TECHNOLOGY CO., LTD. Inventor JIN HONGDU

The invention discloses an electric bicycle control method, an electric bicycle and an electric bicycle system. The method comprises the steps that a server responds to an unlocking request sent by a user terminal for the electric bicycle and sends an unlocking instruction to the electric bicycle; the electric bicycle responds to the unlocking instruction, detects whether the electric bicycle meets a first unlocking condition or not, and controls a lock of the electric bicycle to be unlocked under the condition that the electric bicycle meets the first unlocking condition; the server sends a locking instruction to the electric bicycle in response to a locking request sent by the user terminal for the electric bicycle; the electric bicycle responds to the locking instruction, detects whether the electric bicycle meets a first locking condition or not, and controls the bicycle lock to be locked under the condition that the electric bicycle meets the first locking condition. The first locking condition comprises that a parameter value representing the current running speed of the electric bicycle is smaller than or equal to a set safety threshold value.



3. **107160957** ELECTRIC BICYCLE WITH MICRO-ELECTRIC PUMP

Int. Class B60C 23/10  Appl.No 102017000222108 Applicant WEI HONGYAN Inventor WEI HONGYAN

The invention belongs to an electric bicycle with a micro-electric pump, relates to the field of electric bicycles, in particular to an electric bicycle, and aims to provide an electric bicycle with the micro-electric pump. A user conveniently goes to work by riding the electric bicycle, cargoes are conveniently conveyed by the electric bicycle, the user frequently needs to manually push the electric bicycle to walk an inflatable maintenance point if gas in tires of the electric bicycle leaks, and labor and time are wasted. The electric bicycle is characterized in that the electric bicycle comprises a micro-electric pump fixing frame, a control panel, a pump pipe, a valve core placing box, a valve core fixing frame, a pressure meter fixing box, an electric micro-electric pump and a storage battery, the micro-electric pump fixing frame and the control panel are fixed on a seat tube of the electric bicycle, the pump pipe, the valve core placing box and the valve core fixing frame are fixed on an upper tube of the electric bicycle, the pressure meter fixing box is fixed on a front tube of the electric bicycle, the electric micro-electric pump is arranged in the micro-electric pump fixing frame, the storage battery is fixed on a carrying frame below a seat of the electric bicycle and

CN - 15.09.2017

NO
IMAGE
AVAILABLE

1. US20180037294 - BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE



National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink Machine translation ▾

WIPO Translate ▶

Office
United States of America

Title
[EN] BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE

Application Number
15641744

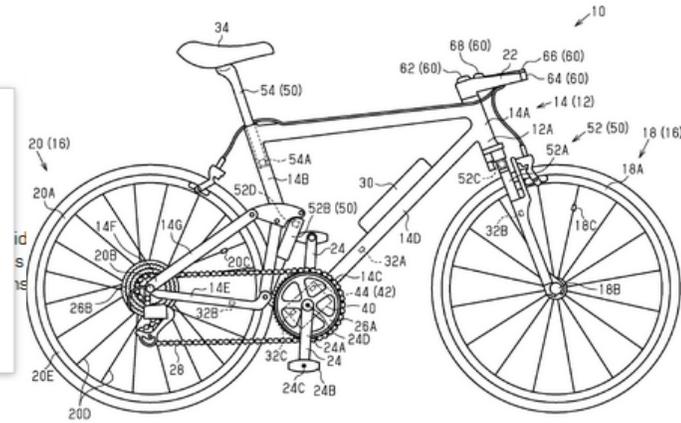
Application Date
05.07.2017

Publication Number
20180037294

Publication Date
08.02.2018

Publication Kind
A1

- B** PERFORMING OPERATIONS; TRANSPORTING
- 62** LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS
- K** CYCLES; CYCLE FRAMES; CYCLE STEERING DEVICES; RIDER-OPERATED TERMINAL CONTROLS SPECIALLY ADAPTED FOR CYCLES; CYCLE AXLE SUSPENSIONS; CYCLE SIDE-CARS, FORECARS, OR THE LIKE
- 25** Axle suspensions
- 04** for mounting axles resiliently on cycle frame or fork



IPC
B62K 25/04 B62J 1/10

CPC
B62K 25/04 B62J 1/10 B62K 202/044
B62K 202/047 B62M 6/55

Abstract
[EN]

A bicycle control device is provided that allows the rider to ride a bicycle comfortably. A bicycle electric assist unit is provided that includes the bicycle control device. The bicycle control device includes an electronic controller that controls an operational state of a bicycle component based on at least an operational state of the bicycle electric assist unit. The bicycle component includes at least one of an electric suspension and an electric adjustable seatpost.

Also published as
CN107685824 DE102017213606

Applicants
Shimano Inc.

Inventors
Tadaharu KUROTOBI
Shingo SAKURAI

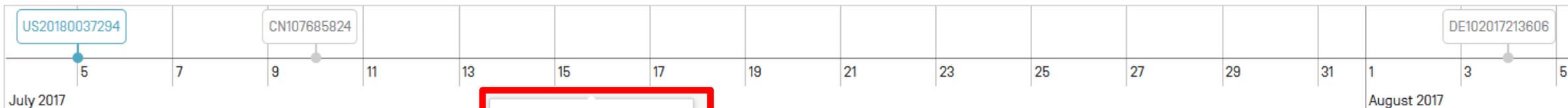
Priority Data
2016-154920 05.08.2016 JP
2017071829 31.03.2017 JP

1. US20180037294 - BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE



National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink



Connected by priority field.

US20180037294 BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE

Appl.Date 05.07.2017

Appl.No 15641744 Applicant Shimano Inc. Related Type IC6 Pub.Kind A1

Pub.Date 08.02.2018

CN107685824 自行车用控制装置及具备其的自行车用电动辅助单元

Appl.Date 10.07.2017

Appl.No 201710556533.1 Applicant 株式会社岛野 Related Type IC6 Pub.Kind A,B

Pub.Date 13.02.2018

DE102017213606 FAHRRADSTEUERVORRICHTUNG UND ELEKTRISCHE FAHRRAD-ASSISTENZEINHEIT, ENTHALTEND DIE FAHRRADSTEUERVORRICHTUNG

Appl.Date 04.08.2017

Appl.No 102017213606 Applicant Shimano Inc. Related Type IC6 Pub.Kind A1

Pub.Date 08.02.2018

1. US20180037294 - BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE



National Biblio. Data **Description** Claims Drawings Patent Family Documents

PermaLink Machine translation ▼

Office

United States of America

Application Number

15641744

Application Date

05.07.2017

Publication Number

20180037294

Publication Date

08.02.2018

Publication Kind

A1

IPC

B62K 25/04 B62J 1/10

CPC

B62K 25/04 B62J 1/10 B62K 202/044

B62K 202/047 B62M 6/55

Applicants

Shimano Inc.

Inventors

Tadaharu KUROTOBI

Shingo SAKURAI

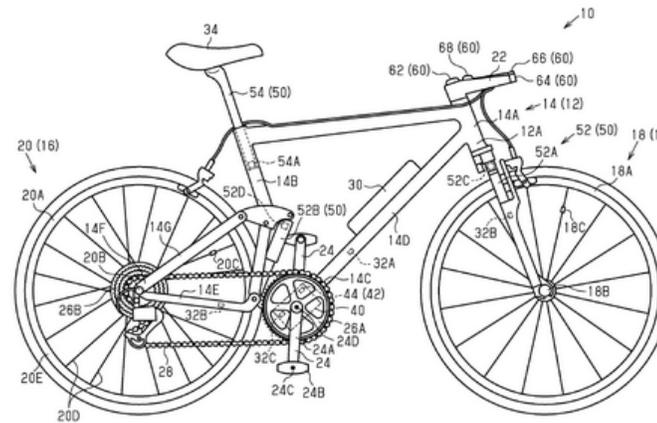
Priority Data

2016-154920 05.08.2016 JP

2017071829 31.03.2017 JP

Title

[EN] BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE



Abstract

[EN]

A bicycle control device is provided that allows the rider to ride a bicycle comfortably. A bicycle electric assist unit is provided that includes the bicycle control device. The bicycle control device includes an electronic controller that controls an operational state of a bicycle component based on at least an operational state of the bicycle electric assist unit. The bicycle component includes at least one of an electric suspension and an electric adjustable seatpost.

Also published as

CN107685824 DE102017213606

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

[EN]

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority to Japanese Patent Application No. 2016-154920, filed on Aug. 5, 2016, and Japanese Patent Application No. 2017-071829, filed on Mar. 31, 2017. The entire disclosures of Japanese Patent Application Nos. 2016-154920 and 2017-071829 are hereby incorporated herein by reference.

BACKGROUND

Field of the Invention

The present invention relates to a bicycle control device and a bicycle electric assist unit that includes the bicycle control device.

Background Information

A known bicycle includes an electric suspension and an electric adjustable seatpost, the operational states of which are changeable. For example, U.S. Pat. No. 8,489,277 [patent document 1] describes a bicycle that switches the electric suspension between a locked state and an unlocked state and adjusts the amount of travel of the electric suspension in accordance with an operation performed on an operating unit by the rider.

SUMMARY

The needs for controlling the operational states of the electric suspension and the electric adjustable seatpost have increased so that the rider can ride a bicycle comfortably. It is an object of the present invention to provide a bicycle control device that allows the rider to ride a bicycle comfortably. It is also an object of the present invention to provide a bicycle electric assist unit that includes the bicycle control device.

In accordance with a first aspect of the invention, a bicycle control device includes an electronic controller that controls an operational state of a bicycle component based on at least an operational state of a bicycle electric assist unit. The bicycle component includes at least one of an electric suspension and an electric adjustable seatpost. The operational state of a typical bicycle electric assist unit is changed in accordance with the riding state of the bicycle. Thus, the controlling of the operational state of the bicycle component based on at least the operational state of the bicycle electric assist unit automatically changes the operational state of the bicycle component in accordance with the riding state of the bicycle. This allows the rider to ride the bicycle comfortably.

In accordance with a second aspect of the invention, in the bicycle control device according to the first aspect, the electronic controller is configured to function in an automatic control mode and a manual control mode. In the automatic control mode, the electronic controller controls the operational state of the bicycle component based on at least the operational state of the bicycle electric assist unit. This allows the rider to select the automatic control and the manual control. In the manual control mode, the operational state of the bicycle component can be manually changed.

1. US20180037294 - BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE



National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink Machine translation ▼

Office

United States of America

Application Number

15641744

Application Date

05.07.2017

Publication Number

20180037294

Publication Date

08.02.2018

Publication Kind

A1

IPC

B62K 25/04 B62J 1/10

CPC

B62K 25/04 B62J 1/10 B62K 202/044

B62K 202/047 B62M 6/55

Applicants

Shimano Inc.

Inventors

Tadaharu KUROTOBI

Shingo SAKURAI

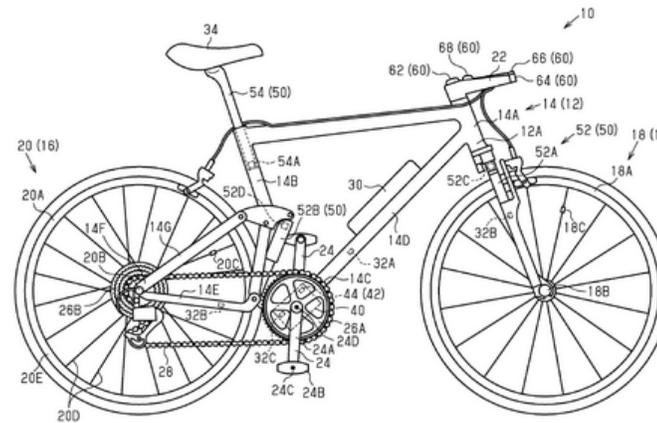
Priority Data

2016-154920 05.08.2016 JP

2017071829 31.03.2017 JP

Title

[EN] BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE



Abstract

[EN]

A bicycle control device is provided that allows the rider to ride a bicycle comfortably. A bicycle electric assist unit is provided that includes the bicycle control device. The bicycle control device includes an electronic controller that controls an operational state of a bicycle component based on at least an operational state of the bicycle electric assist unit. The bicycle component includes at least one of an electric suspension and an electric adjustable seatpost.

Also published as

CN107685824 DE102017213606

Published Application		
		View
US15641744A1	US20180208	XML , ZIP(XML + TIFFs)

Global Dossier		
Legal date	Description	Download
05.07.2017	Abstract	PDF (1 pages)
05.07.2017	Application Data Sheet	PDF (7 pages)
05.07.2017	Claims	PDF (5 pages)
05.07.2017	Drawings-only black and white line drawings	PDF (7 pages)
05.07.2017	EFS Acknowledgment Receipt	PDF (3 pages)
05.07.2017	Fee Worksheet (SB06)	PDF (2 pages)
05.07.2017	Oath or Declaration filed	PDF (2 pages)
05.07.2017	Power of Attorney	PDF (2 pages)
05.07.2017	Specification	PDF (25 pages)
05.07.2017	Transmittal of New Application	PDF (2 pages)
13.07.2017	Fee Worksheet (SB06)	PDF (1 pages)
13.07.2017	Filing Receipt	PDF (4 pages)

1. WO2011162765 - WEB PRESS AND A METHOD OF DUPLEX PRINTING



PCT Biblio. Data Description Claims Drawings National Phase Notices Documents

PermaLink

International Application Status

Date	Title	View	Download
12.08.2020	International Application Status Report	HTML , PDF , XML	PDF , XML

Published International Application

Date	Title	View	Download	
29.12.2011	Initial Publication with ISR[(A1 52/2011)]	PDF (34p.)	PDF (34p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>

Search and Examination-Related Documents

Date	Title	View	Download	
28.12.2012	(IB/373) International Preliminary Report on Patentability Chapter I	PDF (4p.)	PDF (4p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>
24.12.2012	(ISA/237) Written Opinion of the International Searching Authority	PDF (3p.)	PDF (3p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>
29.12.2011	(ISA/210) International Search Report	PDF (4p.)	PDF (4p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>

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W02021098647	27.05.2021	[ISA/237] Written Opinion of the International Searching Authority	W02021098647-WOSA-20210527-0870.pdf	3	
W02017124775	24.07.2018	[IB/373] International Preliminary Report on Patentability Chapter I	W02017124775-IPRP1-20180724-9715.pdf	5	
W02017124775	27.07.2017	[ISA/210] International Search Report	W02017124775-ISR-20170727-6934.pdf	4	
W02011120124	06.10.2011	Initial Publication with ISR	W02011120124-PAMPH-20111006-2279.pdf	21	

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Exercise

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Field

ID/Number



Search terms...

01781516



[Query Examples](#)

Offices

All



1. SU01781516 - ВЫСОКОТЕМПЕРАТУРНАЯ СОЛНЕЧНАЯ ПЕЧЬ



National Biblio. Data Documents

PermaLink Machine translation ▼

Office

Russian Federation[USSR data]

Application Number

4706401

Application Date

19.06.1989

Publication Number

[01781516](#)

Publication Date

15.12.1992

Publication Kind

A1

IPC

5F 24J 2/00 A

Applicants

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Inventors

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КЛИМОВСКИЙ ИВАН ИВАНОВИЧ
GOLGER ALEKSANDR LEONIDOVICH
ГОЛГЕР АЛЕКСАНДР ЛЕОНИДОВИЧ

Title

[RU] Высокотемпературная солнечная печь

Abstract

[RU]

Использование: гелиотехника, солнечная металлургия. Сущность изобретения - солнечная печь содержит гелиоконцентра- тор, состоящий из трех оптически сопряженных зеркал 1-3, фокусирующих солнечное излучение 4 на плоскость выходного окна фокона 3, в котором размещен светопроводный элемент, выполненный в виде жгута волоконные световодо в 5, выходные торцы которых введены в сферическую высокотемпературную камеру 6 через сквозные отверстия 7. Камера 6 имеет зеркальное покрытие 8. Гомоцентрично ей размещены сферическая герметическая оболочка 10 и нагреваемый элемент 9. Параболическое зеркало 1 имеет круговое отверстие при вершине, размеры которого определены размерами параболического зеркала 2, сопряженного с зеркалом 1 и фоконом 3. 2 ил., 2 табл. сл с

1. SU01781516 - ВЫСОКОТЕМПЕРАТУРНАЯ СОЛНЕЧНАЯ ПЕЧЬ

[National Biblio. Data](#)[Documents](#)[PermaLink](#)

Translated by Wipo Translate

[Back to original](#)**Office**

Russian Federation(USSR data)

Application Number

4706401

Application Date

19.06.1989

Publication Number[01781516](#)**Publication Date**

15.12.1992

Publication Kind

A1

IPC

5F 24J 2/00 A

ApplicantsINSTITUT VYSOKIKH TEMPERATUR AN SSSR
ИНСТИТУТ ВЫСОКИХ ТЕМПЕРАТУР АН СССР**Inventors**KLIMOVSKIJ IVAN IVANOVICH
КЛИМОВСКИЙ ИВАН ИВАНОВИЧ
GOLGER ALEKSANDR LEONIDOVICH
ГОЛГЕР АЛЕКСАНДР ЛЕОНИДОВИЧ**Title**

[RU] HIGH-TEMPERATURE SOLAR OVEN

Abstract

[RU]

FIELD: solar engineering. SUBSTANCE: solar furnace has helio-center-torus consisting of three optically coupled mirrors 1-3 focusing solar radiation 4 on plane of output window of focon 3 accommodating light-conducting element made in the form of fiber-optic bundle 5 whose output ends are inserted into spherical high-temperature chamber 6 through through holes 7. Chamber 6 has mirror coating 8 The parabolic mirror 1 has a circular hole at the vertex, the dimensions of which are determined by the dimensions of the parabolic mirror 2 conjugated with the mirror 1 and the focomon 3.EFFECT: enhanced reliability.4 cl. 2 dwg. 2 Tbl

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Result and detail side by side

Multiple Windows Interface

Default Search Form

Field Combination



1. SU01781516 - ВЫСОКОТЕМПЕРАТУРНАЯ СОЛНЕЧНАЯ ПЕЧЬ

National Biblio. Data Documents

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Translated by Wipo Tra

Back to original

Office

Russian Federation(USSR data)

Application Number

4706401

Application Date

19.06.1989

Publication Number

01781516

Publication Date

15.12.1992

Publication Kind

A1

IPC

5F 24J 2/00 A

Applicants

INSTITUT VYSOKIKH TEMPERATUR AN SSSR
ИНСТИТУТ ВЫСОКИХ ТЕМПЕРАТУР АН СССР

Inventors

KLIMOVSKIJ IVAN IVANOVICH
КЛИМОВСКИЙ ИВАН ИВАНОВИЧ
GOLGER ALEKSANDR LEONIDOVICH
ГОЛГЕР АЛЕКСАНДР ЛЕОНИДОВИЧ

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Exercise

About document **US20190084264**:

1. how many members are there in its family?
2. what are their relationships?
3. what is the ICP/CPC [section, class and subclass (letter – 2 digits-1 letter)]?

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About document **US20190084264**:

1. how many members are there in its family?

2. what are their relationships?

3. what is the ICP/CPC [section, class and subclass (letter – 2 digits-1 letter)]?



22. US20190084264 - METHOD FOR MANUFACTURING A PAPERBOARD CUP COATED WITH BIODEGRADABLE VARNISH AND CUP MANUFACTURED ACCORDING TO THE METHOD

National Biblio. Data Description Claims Drawings **Patent Family** Documents

PermaLink



FR3071190 PROCEDE DE FABRICATION DE Gobelets en carton recouvert de vernis biodégradable et gobelet fabriqué selon le procédé

Appl.No 1758657 Applicant C E E CIE EUROPEENNE DES EMBALLAGES ROBERT SCHISLER Pub.Kind A1,B1

Inclusion Criteria IC5

Appl.Date 19.09.2017

Pub.Date 22.03.2019

US20190084264 METHOD FOR MANUFACTURING A PAPERBOARD CUP COATED WITH BIODEGRADABLE VARNISH AND CUP MANUFACTURED ACCORDING TO THE METHOD

Appl.No 16135551 Applicant C.E.E. COMPAGNIE EUROPEENNE DES EMBALLAGES ROBERT SCHISLER Pub.Kind A1

Connected by priority field.

Inclusion Criteria IC6

Appl.Date 19.09.2018

Pub.Date 21.03.2019

EP3456528 METHOD FOR MAKING PAPERBOARD CUPS COATED WITH BIODEGRADABLE GLAZE

Appl.No 18195504 Applicant C E E CIE EUROPEENNE DES EMBALLAGES ROBERT SCHISLER Pub.Kind A2,A3 Pub.Lang fr

Inclusion Criteria IC6

Appl.Date 19.09.2018

Pub.Date 20.03.2019

Codes summary

Codes	Definition
IC1	PCT application from which the family originated
IC2	National entry of a PCT application
IC3	National entry of a PCT application not found in PATENTSCOPE
IC4	US application related to another US application already included in the family
IC5	Sole priority inside the family
IC6	As per priority
IC7	National application related to another application of the same national office already included in the family

Exercise

About document **US20190084264**:

1. how many members are there in its family?
2. what are their relationships?
3. what is the ICP/CPC [section, class and subclass (letter – 2 digits-1 letter)]?

22. US20190084264 - METHOD FOR MANUFACTURING A PAPERBOARD CUP COATED WITH BIODEGRADABLE VARNISH AND CUP MANUFACTURED ACCORDING TO THE METHOD



National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink Machine translation ▼

Office

United States of America

Application Number

16135551

Application Date

19.09.2018

Publication Number

20190084264

Publication Date

21.03.2019

Publication Kind

A1

- B PERFORMING OPERATIONS; TRANSPORTING
- 31 MAKING ARTICLES OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER; WORKING PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER
- B MAKING CONTAINERS OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER
- 50 Making rigid or semi-rigid containers, e.g. boxes or cartons
- 74 Auxiliary operations
- 88 Printing; Embossing

IPC

B31B 50/74 B31B 50/88 B31B 50/20
B31B 50/64

CPC

B31B 2110/10 B31B 50/20 B31B 50/64
B31B 50/741 B31B 50/745 B31B 50/88

[EN]

A method is proposed for manufacturing a cup intended for containing a food beverage. The method includes cutting out at least one sheet of coated paperboard to form a side wall and a bottom and joining the sheets thus cut out by heat-sealing to form the cup. The at least one paperboard sheet is coated on at least the interior side of the cup with a biodegradable varnish according to a coating/spreading technique. In this way, the cup is easy to manufacture, and complies with environmental standards in being easy to recycle and compost, even at home. Thus, the biodegradable varnish does not disturb or pollute the operation of the pulper used in the paper industry.

Also published as

FR3071190 EP3456528

Applicants

C.E.E. COMPAGNIE EUROPEENNE DES EMBALLAGES
ROBERT SCHISLER

Exercise

How many drawings are contained in document
IN202021049808?

1. IN202021049808 - A HETEROGENEOUS ARCHITECTURE WITH CELLULAR IOT PLATFORM FOR CONTACT TRACING DURING COVID19 PANDEMIC

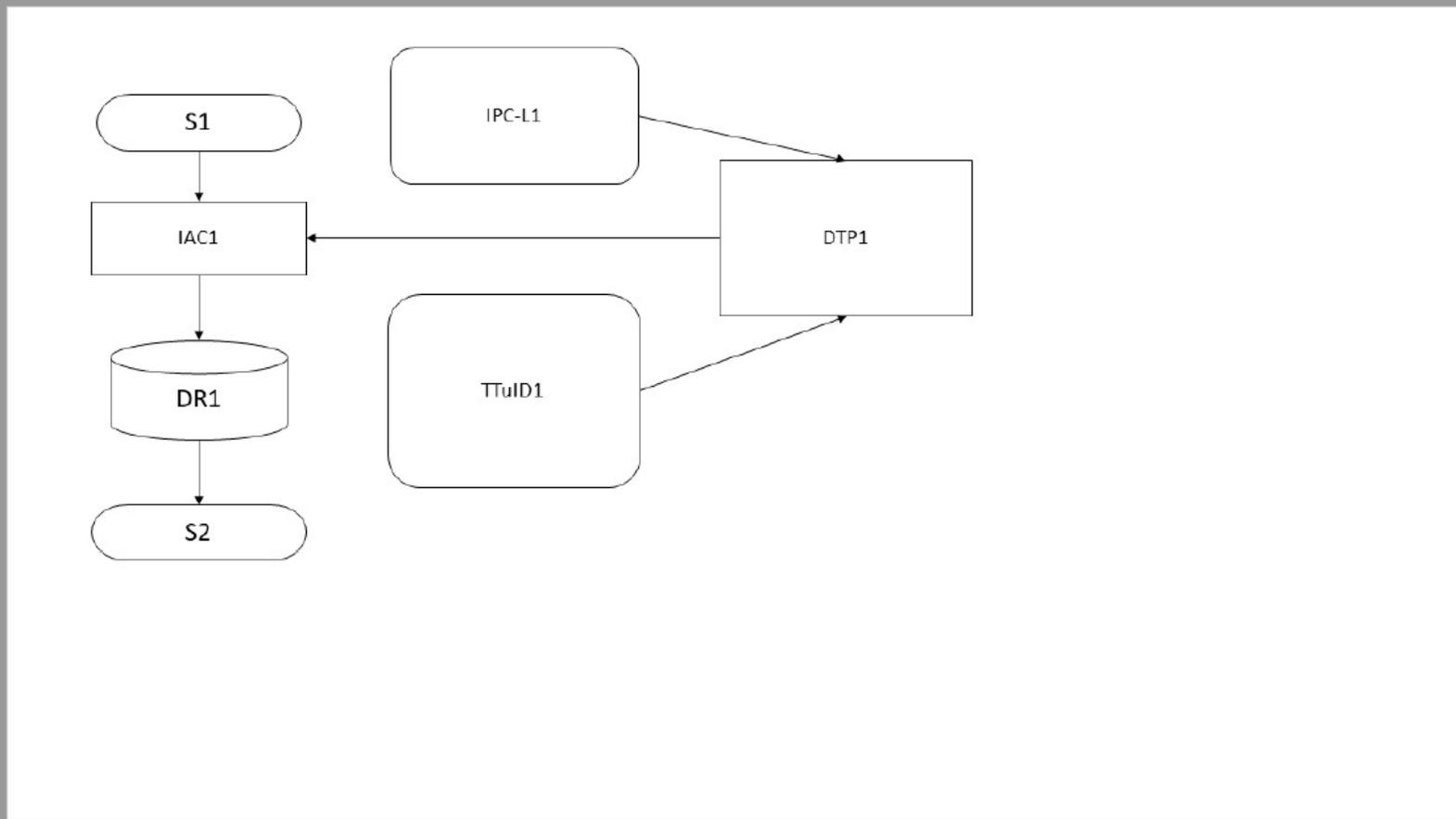


National Biblio. Data

Documents

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Global Dossier		
Legal date	Description	Download
15.11.2020	COMPLETE SPECIFICATION	PDF [0.36MB / 17 pages]
15.11.2020	DRAWINGS	PDF [0.38MB / 7 pages]
15.11.2020	FORM 1	PDF [0.2MB / 9 pages]
15.11.2020	FORM-9	PDF [0.13MB / 1 pages]
15.11.2020	REQUEST FOR EARLY PUBLICATION	PDF [0.13MB / 1 pages]





FP:(electric bicycle)



16,381 results Offices all Languages all Stemming true Single Family Member false Include NPL false



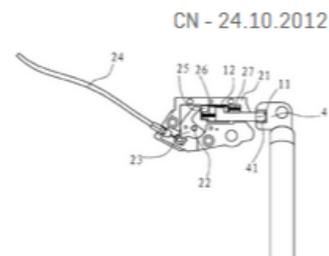
Sort: Relevance ▼ Per page: 100 ▼ View: All+Image ▼

< 1/164 >

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1. 102745284 ELECTRIC BICYCLEInt.Class [B62H 1/04](#) Appl.No 201210266449.3 Applicant Ningbo Dandelion Vehicle Industry Technology Co., Ltd. Inventor Chen Quanfeng

The invention relates to an **electric bicycle** which comprises a **bicycle** body, wherein a **bicycle** lock mechanism is arranged on the **bicycle** body, and a pedal which is rotatably connected with the **bicycle** body is arranged at the lower part of the **bicycle** body. The **electric bicycle** is characterized by also comprising a pedal locking mechanism, wherein the pedal locking mechanism comprises a locking rod and a drive mechanism; the locking rod is movably arranged at the inner side of the **electric bicycle** pedal, has an extension state and a withdrawing state and is abutted against the inner side of the **electric bicycle** pedal in the extension state, so that the **electric bicycle** pedal can be prevented from sliding towards the tail of an **electric bicycle** and dropping off from a landing state; and the drive mechanism is connected with the locking rod and drives the locking rod so that the locking rod keeps the extension state or the withdrawing state, and the drive mechanism is connected with the **bicycle** lock mechanism of the **electric bicycle**. Compared with the prior art, the **electric bicycle** has the advantages that by arranging the locking rod which is connected with and driven by the **bicycle** lock mechanism of the **electric bicycle** at the inner side of the **electric bicycle** pedal, after the **bicycle** lock mechanism is locked, the locking rod is driven by the drive mechanism to extend outwards and abut against the inner side of the **electric bicycle** pedal, so that the **electric bicycle** pedal can be effectively prevented from sliding towards the tail of the **electric bicycle** and dropping off from the landing state.

**2. 111063120 ELECTRIC BICYCLE CONTROL METHOD, ELECTRIC BICYCLE AND ELECTRIC BICYCLE SYSTEM**Int.Class [G07F 17/00](#) Appl.No 201911203200.6 Applicant BEIJING MOBIKE TECHNOLOGY CO., LTD. Inventor JIN HONGDU

The invention discloses an **electric bicycle** control method, an **electric bicycle** and an **electric bicycle** system. The method comprises the steps that a server responds to an unlocking request sent by a user terminal for the **electric bicycle** and sends an unlocking instruction to the **electric bicycle**; the **electric bicycle** responds to the unlocking instruction, detects whether the **electric bicycle** meets a first unlocking condition or not, and controls a lock of the **electric bicycle** to be unlocked under the condition that the **electric bicycle** meets the first unlocking condition; the server sends a locking instruction to the **electric bicycle** in response to a locking request sent by the user terminal for the **electric bicycle**; the **electric bicycle** responds to the locking instruction, detects whether the **electric bicycle** meets a first locking condition or not, and controls the **bicycle** lock to be locked under the condition that the **electric bicycle** meets the first locking condition. The first locking condition comprises that a parameter value representing the current running speed of the **electric bicycle** is smaller than or equal to a set safety threshold value.

**3. 107160957 ELECTRIC BICYCLE WITH MICRO-ELECTRIC PUMP**Int.Class [B60C 23/10](#) Appl.No 102017000222108 Applicant WEI HONGYAN Inventor WEI HONGYAN

The invention belongs to an **electric bicycle** with a micro-**electric** pump, relates to the field of **electric** bicycles, in particular to an **electric bicycle**, and aims to provide an **electric bicycle** with the micro-**electric** pump. A user conveniently goes to work by riding the **electric bicycle**, cargoes are conveniently conveyed by the **electric bicycle**, the user frequently needs to manually push the **electric bicycle** to walk an inflatable maintenance point if gas in tires of the **electric bicycle** leaks, and labor and time are wasted. The **electric bicycle** is characterized in that the **electric bicycle** comprises a micro-**electric** pump fixing frame, a control panel, a pump pipe, a valve core placing box, a valve core fixing frame, a pressure meter fixing box, an **electric** micro-**electric** pump and a storage battery, the micro-**electric** pump fixing frame and the control panel are fixed on a seat tube of the **electric bicycle**, the pump pipe, the valve core placing box and the valve core fixing frame are fixed on an upper tube of the **electric bicycle**, the pressure meter fixing box is fixed on a front tube of the **electric bicycle**, the **electric** micro-**electric** pump is arranged in the micro-**electric** pump fixing frame, the storage battery is fixed on a carrying frame below a seat of the **electric bicycle** and

CN - 15.09.2017

NO
IMAGE
AVAILABLE

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

Relevance

Pub Date Desc

1.

Pub Date Asc

In

App Date Desc

Pl

App Date Asc

COMPETER SYSTEM REDUCING POWER CONSUM

Appl.No 1019990012283 Applicant HYUNDAI EL

tem is provided to maintain a cache memory in a powe

CONSTITUTION. A computer system comprises a CPU[100], a cache memory[130] request. The cache memory[130] stores frequently used data. The tag RAM[110] is driven in response to a first clock signal, and generates a second clock signal the cache hit or the cache miss signal in response to the first clock signal, and a

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- 10
- 50
- 100
- 200

1. [1020000065684](#) COMP SYSTEM REDUCING POWER CONSUMF

Int.Class [G06F 1/32](#) (?) Appl 990012283 Applicant HYUNDAI ELE

PURPOSE: A computer system is to maintain a cache memory in a power

CONSTITUTION: A computer system comprises a CPU[100], a cache memory[130], request. The cache memory[130] stores frequently used data. The tag RAM[110] c is driven in response to a first clock signal, and generates a second clock signal i the cache hit or the cache miss signal in response to the first clock signal, and a s

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< 1 / 8

1. **1020000065684** COMPETER SYSTEM

Int.Class G06F 1/32  Appl.No 101999001

PURPOSE: A computer system is provided to main

CONSTITUTION: A computer system comprises a
request. The cache memory[130] stores frequen

is driven in response to a first clock signal, and generates a second clock signal in response to the cache hit and cache mi
the cache hit or the cache miss signal in response to the first clock signal, and a second clock signal generator selecting a [

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Simple

Double

All

All+Image

Image

Multi-columns

CONSUMPTION

HUNDAI ELECTRONICS IND. CO., LTD. Inventor KIM, D

in a power down mode in that case that a cache miss

memory[130], a tag RAM[110], and a cache controller[1

RAM[110] compares the address with a tag informati

Sort: Pub Date Desc ▼

Per page: 10 ▼

View: Simple ▼

< 1 / 8,890,191 ▼ >

Machine translation ▼

1. [WO/2020/113252](#) SYSTEM AND METHOD FOR ADJUSTING AN EFFECTIVE LENGTH OF A CONNECTING ROD BY SUPPLYING LUBRICANT WO - 11.06.2020
2. [WO/2020/113262](#) GYROSCOPICALLY STABILISED LEGGED ROBOT WO - 11.06.2020
3. [WO/2020/113272](#) REFRACTIVE SCANNING INTERFEROMETER WO - 11.06.2020
4. [WO/2020/113282](#) SUPPORTER JERSEY WO - 11.06.2020
5. [WO/2020/113292](#) DEVICE FOR MONITORING THE OPERATIONAL CONDITIONS OF ELECTRIC POWER DISTRIBUTION TRANSFORMERS, INCLUDING IDENTIFICATION BY RFID TECHNOLOGY, AND RADIO-FREQUENCY COMMUNICATION WO - 11.06.2020
6. [WO/2020/113303](#) RECOMBINANT PROTEIN, SYNTHETIC DNA SEQUENCE, EXPRESSION VECTOR, HOST CELL, COMPOSITION, KIT FOR DIAGNOSING RUBELLA, USE OF AT LEAST ONE RECOMBINANT PROTEIN AND METHODS FOR PRODUCING A RECOMBINANT PROTEIN AND FOR DIAGNOSING RUBELLA WO - 11.06.2020
7. [WO/2020/113316](#) VARIABLE REFLEX FOOTWEAR TECHNOLOGY WO - 11.06.2020

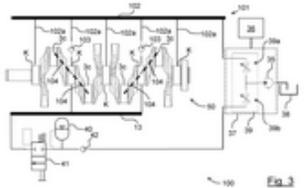
- 1. [WO/2020/113252](#)** SYSTEM AND METHOD FOR ADJUSTING AN EFFECTIVE LENGTH OF A CONNECTING ROD BY SUPPLYING LUBRICANT WO - 11.06.2020
Int.Class [F02B 75/04](#) ⓘ Appl.No PCT/AT2019/080413 Applicant AVL LIST GMBH Inventor RATH, Martin
- 2. [WO/2020/113262](#)** GYROSCOPICALLY STABILISED LEGGED ROBOT WO - 11.06.2020
Int.Class [B62D 57/032](#) ⓘ Appl.No PCT/AU2019/051318 Applicant THE UNIVERSITY OF QUEENSLAND Inventor POUNDS, Pauline Edith Iyan
- 3. [WO/2020/113272](#)** REFRACTIVE SCANNING INTERFEROMETER WO - 11.06.2020
Int.Class [G01J 3/45](#) ⓘ Appl.No PCT/AU2019/051327 Applicant RAPID PHENOTYPING PTY LIMITED Inventor RODD-ROUTLEY, Selene
- 4. [WO/2020/113282](#)** SUPPORTER JERSEY WO - 11.06.2020
Int.Class [A41D 1/04](#) ⓘ Appl.No PCT/AU2019/051338 Applicant GET BRANDED PTY LTD Inventor SIMMONS, Madonna
- 5. [WO/2020/113292](#)** DEVICE FOR MONITORING THE OPERATIONAL CONDITIONS OF ELECTRIC POWER DISTRIBUTION TRANSFORMERS, INCLUDING IDENTIFICATION BY RFID TECHNOLOGY, AND RADIO-FREQUENCY COMMUNICATION WO - 11.06.2020
Int.Class [G01K 1/02](#) ⓘ Appl.No PCT/BR2019/050352 Applicant GARCIA LELLIS JUNIOR, Celso Inventor GARCIA LELLIS JUNIOR, Celso
- 6. [WO/2020/113303](#)** RECOMBINANT PROTEIN, SYNTHETIC DNA SEQUENCE, EXPRESSION VECTOR, HOST CELL, COMPOSITION, KIT FOR DIAGNOSING RUBELLA, USE OF AT LEAST ONE RECOMBINANT PROTEIN AND METHODS FOR PRODUCING A RECOMBINANT PROTEIN AND FOR DIAGNOSING RUBELLA WO - 11.06.2020
Int.Class [C07K 14/19](#) ⓘ Appl.No PCT/BR2019/050522 Applicant FUNDAÇÃO OSWALDO CRUZ Inventor KRIEGER, Marco Aurélio

1. [WO/2020/113252](#) SYSTEM AND METHOD FOR ADJUSTING AN EFFECTIVE LENGTH OF A CONNECTING ROD BY SUPPLYING LUBRICANT

Int.Class [F02B 75/04](#) [?](#) Appl.No PCT/AT2019/080413 Applicant AVL LIST GMBH Inventor RATH, Martin

The invention relates to a system [100] and a method [110] for adjusting an effective length of a length-adjustable connecting rod [1] for an internal combustion engine, as well as an internal combustion engine comprising a length-adjustable connecting rod [1] and a system [100] of this type. The connecting rod [1] has at least one first connecting part [4] and a second connecting part [5], which can be shifted in the direction of a longitudinal axis [1a] of the connecting parts [4, 5] and/or inside one another by means of a length adjustment device [16]. Also provided is a lubricant supply assembly [101] via which at least one crankshaft bearing [K] and/or crankpin bearing [3c] of the internal combustion engine can be supplied with a lubricant, as well as a hydraulic supply line [13] via which the length adjustment device [16] can be supplied with the lubricant being used as hydraulic medium. A supply device [37] is also provided, which can be fluidically connected on the output side with both the lubricant supply assembly [101] and the hydraulic supply line [13], and which is designed to withdraw the lubricant out of a lubricant reservoir [38] on the input side and to selectively direct a first portion of the withdrawn lubricant into the lubricant supply assembly [101] to lubricate the at least one crankshaft bearing [K] and/or crankpin bearing [3c] and direct a second portion of the lubricant into the hydraulic supply line [13] to shift the two connecting parts [4, 5] relative to and/or inside one another.

WO - 11.06.2020



2. [WO/2020/113262](#) GYROSCOPICALLY STABILISED LEGGED ROBOT

Int.Class [B62D 57/032](#) [?](#) Appl.No PCT/AU2019/051316 Applicant THE UNIVERSITY OF QUEENSLAND Inventor POUNDS, Pauline Edith Iyan

A gyroscopically stabilised legged robot including: a body; a number of legs coupled to the body and configured for providing legged locomotion of the robot across a surface in use; an orientation sensor for detecting an angular orientation of the body; a control moment gyroscope mounted on the robot, the control moment gyroscope including a rotor that spins around a rotor spin axis in use, and a tilting mechanism for supporting the rotor relative to the robot, the tilting mechanism being configured to rotate the rotor spin axis about two gyroscope rotation axes to thereby generate respective gyroscopic reaction torques; and a gyroscope controller configured to control operation of the tilting mechanism based at least in part on the detected angular orientation of the body, such that gyroscopic reaction torques are generated to at least partially stabilise the angular orientation of the body during the legged locomotion of the robot.

WO - 11.06.2020

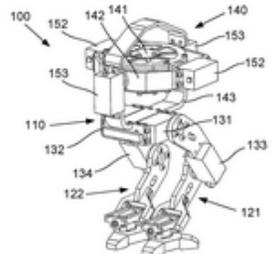


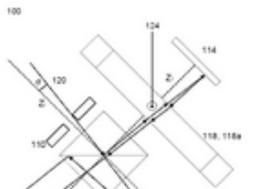
Fig. 1A

3. [WO/2020/113272](#) REFRACTIVE SCANNING INTERFEROMETER

Int.Class [G01J 3/45](#) [?](#) Appl.No PCT/AU2019/051327 Applicant RAPID PHENOTYPING PTY LIMITED Inventor RODD-ROUTLEY, Selene

The present invention relates to a refractively-scanning interferometer comprising an aperture that receives an incident light beam at a receiving angle, a beam splitter configured to split the incident light beam into a first beam and a second beam, a first and a second reflector arranged to reflect the first beam and second beam, respectively, towards a combining optical element, and a refractive Optical Path Difference (rOPD) assembly interposed between the beam splitter and the first reflector, wherein the rOPD Assembly refracts the first light beam an even number of times with induced phase discrepancy being a vector sum of a first phase discrepancy induced by a first refraction and a second phase discrepancy induced by a second refraction, the rOPD Assembly being configured such that the first phase discrepancy is substantially opposite in direction to the second phase discrepancy, a portion of the first and second phase discrepancies cancelling one another out to decrease magnitude of the phase discrepancy.

WO - 11.06.2020

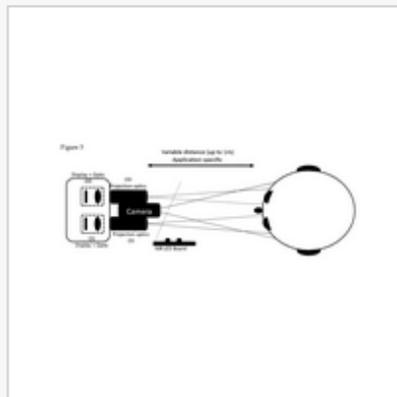
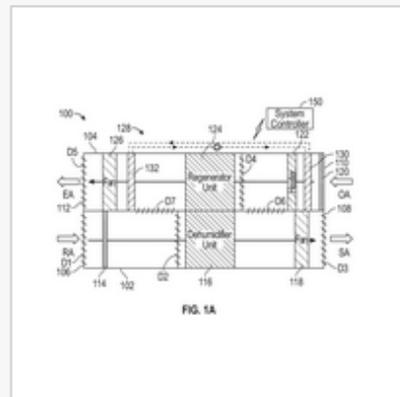
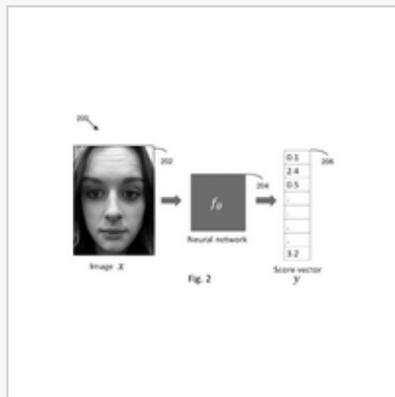
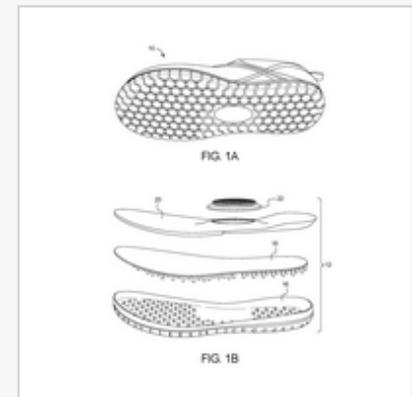
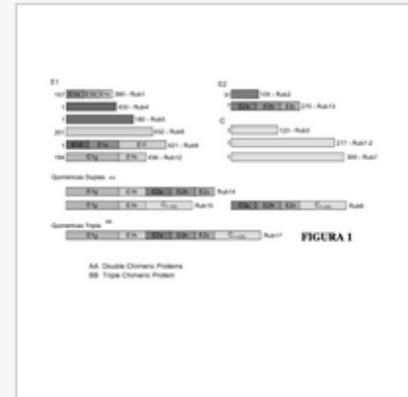
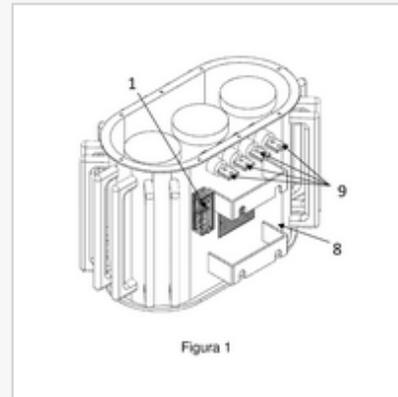
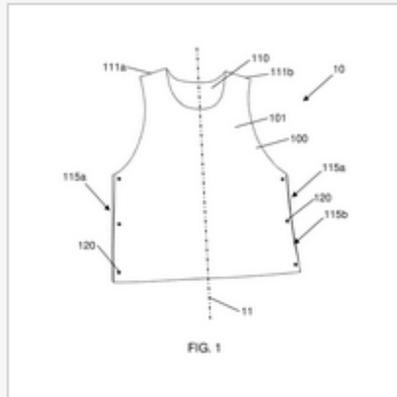
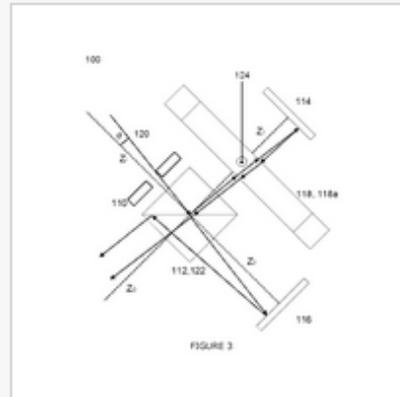
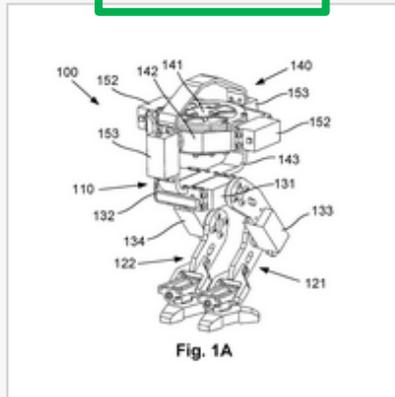
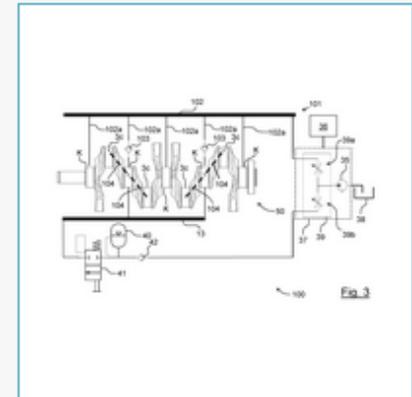


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1. [WO/2020/113252](#)

WO - 11.06.2020

Int.Class [F02B 75/04](#) ⓘ Appl.No PCT/AT2019/060413 Applicant AVL LIST GMBH Inventor RATH, Martin**[DE] SYSTEM UND VERFAHREN ZUM EINSTELLEN EINER WIRKSAMEN LÄNGE EINER PLEUELSTANGE MITTELS SCHMIERMITTELVERSORGUNG**

[DE] Die vorliegende Erfindung betrifft ein System [100] und ein Verfahren [110] zum Einstellen einer wirksamen Länge einer längenverstellbaren Pleuelstange [1] für eine Brennkraftmaschine sowie eine Brennkraftmaschine mit einer längenverstellbaren Pleuelstange [1] und einem solchen System [100]. Die Pleuelstange [1] weist zumindest einen ersten Pleuelteil [4] und einen zweiten Pleuelteil [5] auf, die mittels einer Längenverstelleinrichtung [16] in Richtung einer Längsachse [1a] der Pleuelteile [4, 5] zu-und/oder ineinander verschiebbar sind. Dabei ist eine Schmiermittelversorgungsanordnung [101], über welche zumindest ein Kurbelwellenlager [K] und/oder Kurbelzapfenlager [3c] der Brennkraftmaschine mit einem Schmiermittel beschickbar ist, und eine Hydraulikzuleitung [13], über welche die Längenverstelleinrichtung [16] mit dem als Hydraulikmedium eingesetzten Schmiermittel beschickbar ist, vorgesehen. Zudem ist eine Versorgungseinrichtung [37] vorgesehen, die ausgangsseitig sowohl mit der Schmiermittelversorgungsanordnung [101] als auch mit der Hydraulikzuleitung [13] strömungsverbindbar und dazu eingerichtet ist, das Schmiermittel eingangsseitig aus einem Schmiermittelreservoir [38] zu entnehmen und selektiv einen ersten Anteil des entnommenen Schmiermittels zum Schmieren des wenigstens einen Kurbelwellenlagers [K] und/oder Kurbelzapfenlagers [3c] in die Schmiermittelversorgungsanordnung [101] zu leiten und einen zweiten Anteil des Schmiermittels in die Hydraulikzuleitung [13] zum Verschieben der beiden Pleuelteile [4, 5] zu-und/oder ineinander zu leiten.

[EN] SYSTEM AND METHOD FOR ADJUSTING AN EFFECTIVE LENGTH OF A CONNECTING ROD BY SUPPLYING LUBRICANT

[EN] The invention relates to a system [100] and a method [110] for adjusting an effective length of a length-adjustable connecting rod [1] for an internal combustion engine, as well as an internal combustion engine comprising a length-adjustable connecting rod [1] and a system [100] of this type. The connecting rod [1] has at least one first connecting part [4] and a second connecting part [5], which can be shifted in the direction of a longitudinal axis [1a] of the connecting parts [4, 5] and/or inside one another by means of a length adjustment device [16]. Also provided is a lubricant supply assembly [101] via which at least one crankshaft bearing [K] and/or crankpin bearing [3c] of the internal combustion engine can be supplied with a lubricant, as well as a hydraulic supply line [13] via which the length adjustment device [16] can be supplied with the lubricant being used as hydraulic medium. A supply device [37] is also provided, which can be fluidically connected on the output side with both the lubricant supply assembly [101] and the hydraulic supply line [13], and which is designed to withdraw the lubricant out of a lubricant reservoir [38] on the input side and to selectively direct a first portion of the withdrawn lubricant into the lubricant supply assembly [101] to lubricate the at least one crankshaft bearing [K] and/or crankpin bearing [3c] and direct a second portion of the lubricant into the hydraulic supply line [13] to shift the two connecting parts [4, 5] relative to and/or inside one another.

[FR] SYSTÈME ET PROCÉDÉ PERMETTANT D'AJUSTER UNE LONGUEUR ACTIVE D'UNE BIELLE AU MOYEN D'UNE ALIMENTATION EN LUBRIFIANT

[FR] La présente invention concerne un système [100] et un procédé [110] permettant d'ajuster une longueur active d'une bielle [1] réglable en longueur pour un moteur à combustion interne, ainsi qu'un moteur à combustion interne muni d'une bielle [1] réglable en longueur et dudit système [100]. La bielle [1] présente au moins une première partie de bielle [4] et une seconde partie de bielle [5] qui peuvent être déplacées l'une vers l'autre et/ou l'une dans l'autre au moyen d'un dispositif [16] de réglage en longueur dans la direction d'un axe longitudinal [1a] des parties de bielle [4, 5]. Le système comprend un ensemble d'alimentation en lubrifiant [101] par lequel au moins un palier de vilebrequin [K] et/ou un palier de maneton [3c] du moteur à combustion interne peut être alimenté en lubrifiant, et une conduite hydraulique [13] par laquelle le dispositif [16] de réglage en longueur peut être alimenté en un lubrifiant utilisé en tant que fluide hydraulique. Le système comprend en outre un dispositif d'alimentation [37] qui peut être raccordé fluidiquement côté sortie à la fois à l'ensemble d'alimentation en lubrifiant [101] et à la conduite hydraulique [13] et qui est conçu pour prélever le lubrifiant côté entrée hors d'un réservoir [38] de lubrifiant, et pour diriger sélectivement une première part du lubrifiant prélevé vers l'ensemble d'alimentation en lubrifiant [101] pour la lubrification du ou des paliers de vilebrequin [K] et/ou du ou des paliers de maneton [3c], et une seconde part du lubrifiant vers la conduite hydraulique [13] pour le déplacement des deux parties de bielle [4, 5] l'une vers l'autre et/ou l'une dans l'autre.

2. [WO/2020/113262](#)

WO - 11.06.2020

Int.Class [B62D 57/032](#) ⓘ Appl.No PCT/AU2019/051316 Applicant THE UNIVERSITY OF QUEENSLAND Inventor POUNDS, Pauline Edith Iyan**[EN] GYROSCOPICALLY STABILISED LEGGED ROBOT**

[EN] A gyroscopically stabilised legged robot including: a body; a number of legs coupled to the body and configured for providing legged locomotion of the robot across a surface in use; an orientation sensor for detecting an angular orientation of the body; a control moment gyroscope mounted on the robot, the control moment gyroscope including a rotor that spins around a rotor spin axis in use, and a tilting mechanism for supporting the rotor relative to the robot, the tilting mechanism being configured to rotate the rotor spin axis about two gyroscope rotation axes to thereby generate

[FR] ROBOT À JAMBES GYROSCOPIQUEMENT STABILISÉ

[FR] La présente invention concerne un robot à jambes gyroscopiquement stabilisé comprenant : un corps ; un certain nombre de jambes accouplées au corps et conçues afin de fournir une locomotion à jambes du robot sur une surface lors de l'utilisation ; un capteur d'orientation destiné à détecter une orientation angulaire du corps ; un gyroscope à moment de commande monté sur le robot, le gyroscope à moment de commande comprenant un rotor qui tourne autour d'un axe de rotation de rotor lors de l'utilisation, et un mécanisme d'inclinaison destiné à soutenir le rotor par rapport au robot, le

FP:(electric bicycle)



16,381 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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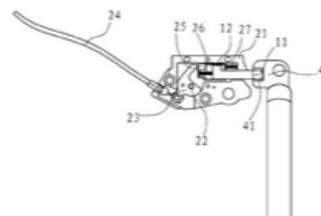
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1. 102745284 ELECTRIC BICYCLEInt.Class [B62H 1/04](#) ? Appl.No 201210266449.3 Applicant Ningbo Dandelion Vehicle Industry Technology Co., Ltd. Inventor Chen Quanfeng

The invention relates to an **electric bicycle** which comprises a **bicycle** body, wherein a **bicycle** lock mechanism is arranged on the **bicycle** body, and a pedal which is rotatably connected with the **bicycle** body is arranged at the lower part of the **bicycle** body. The **electric bicycle** is characterized by also comprising a pedal locking mechanism, wherein the pedal locking mechanism comprises a locking rod and a drive mechanism; the locking rod is movably arranged at the inner side of the **electric bicycle** pedal, has an extension state and a withdrawing state and is abutted against the inner side of the **electric bicycle** pedal in the extension state, so that the **electric bicycle** pedal can be prevented from sliding towards the tail of an **electric bicycle** and dropping off from a landing state; and the drive mechanism is connected with the locking rod and drives the locking rod so that the locking rod keeps the extension state or the withdrawing state, and the drive mechanism is connected with the **bicycle** lock mechanism of the **electric bicycle**. Compared with the prior art, the **electric bicycle** has the advantages that by arranging the locking rod which is connected with and driven by the **bicycle** lock mechanism of the **electric bicycle** at the inner side of the **electric bicycle** pedal, after the **bicycle** lock mechanism is locked, the locking rod is driven by the drive mechanism to extend outwards and abut against the inner side of the **electric bicycle** pedal, so that the **electric bicycle** pedal can be effectively prevented from sliding towards the tail of the **electric bicycle** and dropping off from the landing state.

CN - 24.10.2012

**2. 111063120 ELECTRIC BICYCLE CONTROL METHOD, ELECTRIC BICYCLE AND ELECTRIC BICYCLE SYSTEM**Int.Class [G07F 17/00](#) ? Appl.No 201911203200.6 Applicant BEIJING MOBIKE TECHNOLOGY CO., LTD. Inventor JIN HONGDU

The invention discloses an **electric bicycle** control method, an **electric bicycle** and an **electric bicycle** system. The method comprises the steps that a server responds to an unlocking request sent by a user terminal for the **electric bicycle** and sends an unlocking instruction to the **electric bicycle**; the **electric bicycle** responds to the unlocking instruction, detects whether the **electric bicycle** meets a first unlocking condition or not, and controls a lock of the **electric bicycle** to be unlocked under the condition that the **electric bicycle** meets the first unlocking condition; the server sends a locking instruction to the **electric bicycle** in response to a locking request sent by the user terminal for the **electric bicycle**; the **electric bicycle** responds to the locking instruction, detects whether the **electric bicycle** meets a first locking condition or not, and controls the **bicycle** lock to be locked under the condition that the **electric bicycle** meets the first locking condition. The first locking condition comprises that a parameter value representing the current running speed of the **electric bicycle** is smaller than or equal to a set safety threshold value.

CN - 24.04.2020

**3. 107160957 ELECTRIC BICYCLE WITH MICRO-ELECTRIC PUMP**Int.Class [B60C 23/10](#) ? Appl.No 102017000222108 Applicant WEI HONGYAN Inventor WEI HONGYAN

The invention belongs to an **electric bicycle** with a micro-**electric** pump, relates to the field of **electric** bicycles, in particular to an **electric bicycle**, and aims to provide an **electric bicycle** with the micro-**electric** pump. A user conveniently goes to work by riding the **electric bicycle**, cargoes are conveniently conveyed by the **electric bicycle**, the user frequently needs to manually push the **electric bicycle** to walk an inflatable maintenance point if gas in tires of the **electric bicycle** leaks, and labor and time are wasted. The **electric bicycle** is characterized in that the **electric bicycle** comprises a micro-**electric** pump fixing frame, a control panel, a pump pipe, a valve core placing box, a valve core fixing frame, a pressure meter fixing box, an **electric** micro-**electric** pump and a storage battery, the micro-**electric** pump fixing frame and the control panel are fixed on a seat tube of the **electric bicycle**, the pump pipe, the valve core placing box and the valve core fixing frame are fixed on an upper tube of the **electric bicycle**, the pressure meter fixing box is fixed on a front tube of the **electric bicycle**, the **electric** micro-**electric** pump is arranged in the micro-**electric** pump fixing frame, the storage battery is fixed on a carrying frame below a seat of the **electric bicycle** and

CN - 15.09.2017

NO
IMAGE
AVAILABLE



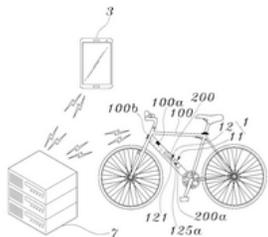
2. WO2018084357 - THEFT PREVENTION SYSTEM FOR ELECTRIC BICYCLE BATTERY

1. [WO/2018/084358](#) THEFT PREVENTION SYSTEM FOR ELECTRIC BICYCLE BATTERY

WO - 11.05.2018

Int.Class [B62H 5/00](#) [?](#) Appl.No PCT/KR2016/013804 Applicant LKWAY CO., LTD.
Inventor HYUN, Hong Jun

The present invention relates to a theft prevention system for an [electric bicycle](#) battery. A location information transmitting means is provided on an [electric bicycle](#) battery and the location information of the [electric bicycle](#) battery is transmitted to a control server. The control server has a smart terminal of a

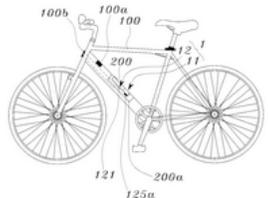


2. [WO/2018/084357](#) THEFT PREVENTION SYSTEM FOR ELECTRIC BICYCLE BATTERY

WO - 11.05.2018

Int.Class [B62H 5/00](#) [?](#) Appl.No PCT/KR2016/013803 Applicant LKWAY CO., LTD.
Inventor HYUN, Hong Jun

The present invention relates to a theft prevention system for an [electric bicycle](#) battery and, more specifically, to a theft prevention system, for an [electric bicycle](#) battery, which comprises a location information transmitting means provided on an [electric bicycle](#) battery and for transmitting location

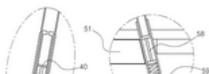


3. [WO/2019/059677](#) SELF POWER GENERATION-TYPE ELECTRIC BIKE

WO - 28.03.2019

Int.Class [B62M 6/80](#) [?](#) Appl.No PCT/KR2018/011147 Applicant BIN, Deok Sam
Inventor BIN, Deok Sam

The present invention relates to a self power generation-type electric bike and, particularly, to a self power



Publication Number

WO/2018/084357

Publication Date

11.05.2018

International Application No.

PCT/KR2016/013803

International Filing Date

28.11.2016

IPC

[B62H 5/00 2006.01](#) [B62M 6/90 2010.01](#)

[B60R 25/33 2013.01](#)

CPC

[B60R 25/33](#) [B62H 5/00](#) [B62M 6/90](#)

Applicants

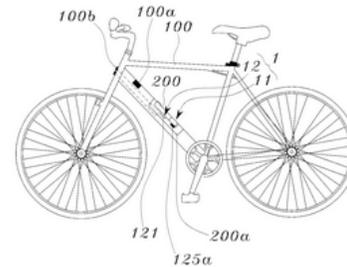
[주]엘케이웨이 LKWAY CO., LTD. [KR]/[KR]
제주도 제주시 첨단로 217, 201비호(영평동)
(Yeongpyeong-dong) 201B, 217,
Cheomdan-ro, Jeju-si Jeju-do 63309, KR

Inventors

현홍준 HYUN, Hong Jun

Title

[EN] THEFT PREVENTION SYSTEM FOR ELECTRIC BICYCLE BATTERY
[FR] SYSTÈME DE PRÉVENTION DE VOL DESTINÉ À UNE BATTERIE DE BICYCLETTE ÉLECTRIQUE
[KO] 전기자전거 배터리 도난방지장치



Abstract

[EN]

The present invention relates to a theft prevention system for an [electric bicycle](#) battery and, more specifically, to a theft prevention system, for an [electric bicycle](#) battery, which comprises a location information transmitting means provided on an [electric bicycle](#) battery and for transmitting location information, and enables the location information transmitting means to receive a power supply by means of a separate GPS power supply unit. The GPS power supply unit is charged prior to the [electric bicycle](#) battery whenever the [electric bicycle](#) battery is charged. Therefore, the location information of the [electric bicycle](#) battery is always transmitted in order to use the [electric bicycle](#) battery, and thus the [electric bicycle](#) battery can be

Exercise

1. Build a query in the *English abstract* to retrieve documents with the keyword **sensorized** that has to be close to the keywords **garment** or **cloth**
2. Practice displaying:
 1. Results by relevance
 2. Only images
 3. Opening one document with the result list next to it

Exercise

- 1. Build a query in the *English abstract* to retrieve documents with the keyword sensorized that has to be close to the keywords garment or cloth**
2. Practice displaying:
 1. Results by relevance
 2. Only images
 3. Opening one document with the result list next to it

EN_AB:(sensorized NEAR10 (garment OR cloth))



5,218 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Pub Date Desc Per page: 100 View: All+Image

1 / 53

Download Machine translation

1. **WO/2021/148782** ELECTRONIC DEVICE, A WEARABLE ARTICLE INCORPORATING AN ELECTRONIC DEVICE AND A SYSTEM COMPRISING AN ELECTRONIC DEVICE AND A WEARABLE ARTICLE

WO - 29.07.2021

Int.Class [A61B 5/256](#) Appl.No PCT/GB2021/050115 Applicant PREVAYL LIMITED Inventor LYNCH, Michael John

A wearable article [1] includes a sensor assembly [104] for sensing biosignals of a wearer of the wearable article, and an electronic device [102] that can be attached to the sensor assembly to receive and the process biosignals. The electronic device is detachable from the garment and includes a housing [128a, 128b]. The electronic device is retained in place by means of a magnet [132] within the housing which cooperates with a magnet on the garment. The sensor assembly includes a sensing electrodes and conductors [112; 122a] which couple the sensing electrodes to an interface that is configured to couple the sensed biosignals to the electronic device. The electronic device attaches to the garment at the interface. The electronic device includes one or more contacts [138b] which engage with the interface at the conductors so that biosignals can be coupled to the electronic device. The garment can also include a locating ring [130] to help locate the electronic device on the garment. The electronic device can be easily attached by a wearer, for example with the use of only one hand.

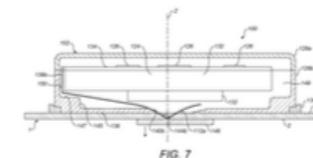


FIG. 7

2. **WO/2021/149038** SENSORIZED GARMENT OR CLOTHING ITEM, METHOD OF OPERATION AND USES THEREOF

WO - 29.07.2021

Int.Class [A61B 5/00](#) Appl.No PCT/IB2021/050593 Applicant P & R - TÊXTEIS S.A. Inventor VIEIRA NEVES BOURA, Laura Isabel

The present disclosure refers to a sensorized and extensible garment or clothing item, in particular to a sensorized and extensible textile suit for optimizing the performance of athletes, namely for cyclists. The present disclosure also concerns electrocardiography sensors, elasticity sensors and electromyography sensors. The garment/clothing item of the present disclosure may be associated with an application for displaying the performance parameters. The sensorized garment/clothing item of the present disclosure may be used in other sports where the acquired variables are relevant, such as tennis, canoeing, among other sports.

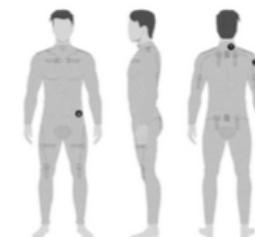


FIG. 1

3. **0002752137** PERSONAL TELEMEDICINE KIT FOR REMOTE MONITORING OF VITAL PARAMETERS OF HUMAN HEALTH

RU - 23.07.2021

Int.Class [A61B 5/0205](#) Appl.No 2021104900 Applicant Inventor Бондарик Александр Николаевич (RU)

FIELD: medicine, remote health monitoring in particular. SUBSTANCE: invention relates to the means of telemedicine remote monitoring of vital parameters of human health, carried out for the purpose of preliminary medical diagnosis, the choice of treatment tactics and methods of recovery of the patient. An invention is proposed that includes a removable central unit with a radio modem unit, a channel selection



Exercise

1. Build a query in the *English abstract* to retrieve documents with the keyword **sensorized** that has to be close to the keywords **garment** or **cloth**
2. Practice displaying:
 1. **Results by relevance**
 2. Only images
 3. Opening one document with the result list next to it

EN_AB:(sensorized NEAR10 (garment OR cloth))

5,210 results Offsets all Languages all Stemming true Single Family Member false Include NPL false



Sort: Pub Date Desc Per page: 100 View: All+Image

1/53

Download Machine translation

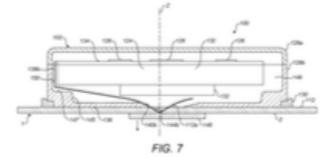
- Relevance
- Pub Date Desc
- Pub Date Asc
- App Date Desc
- App Date Asc

1. ELECTRONIC DEVICE, A WEARABLE ARTICLE INCORPORATING AN ELECTRONIC DEVICE AND A SYSTEM COMPRISING AN ELECTRONIC DEVICE AND A WEARABLE ARTICLE

WO - 29.07.2021

App.No PCT/GB2021/050115 Applicant PREVAYL LIMITED Inventor LYNCH, Michael John

includes a sensor assembly [104] for sensing biosignals of a wearer of the wearable article, and an electronic device [102] that can be attached to the sensor assembly to receive and the electronic device is detachable from the garment and includes a housing [128a, 128b]. The electronic device is retained in place by means of a magnet [132] within the housing which cooperates with a magnet on the garment. The sensor assembly includes a sensing electrodes and conductors [112; 122a] which couple the sensing electrodes to an interface that is configured to couple the sensed biosignals to the electronic device. The electronic device attaches to the garment at the interface. The electronic device includes one or more contacts [138b] which engage with the interface at the conductors so that biosignals can be coupled to the electronic device. The garment can also include a locating ring [130] to help locate the electronic device on the garment. The electronic device can be easily attached by a wearer, for example with the use of only one hand.



2. WO/2021/149038 SENSORIZED GARMENT OR CLOTHING ITEM, METHOD OF OPERATION AND USES THEREOF

WO - 29.07.2021

Int.Class A61B 5/00 Appl.No PCT/IB2021/050593 Applicant P & R - TÊXTEIS S.A. Inventor VIEIRA NEVES BOURA, Laura Isabel

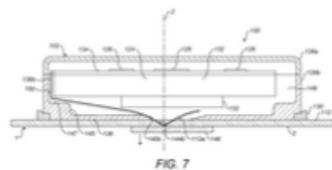
The present disclosure refers to a sensorized and extensible garment or clothing item, in particular to a sensorized and extensible textile suit for optimizing the performance of athletes, namely for cyclists. The present disclosure also concerns electrocardiography sensors, elasticity sensors and electromyography sensors. The garment/clothing item of the present disclosure may be associated with an application for displaying the performance parameters. The sensorized garment/clothing item of the present disclosure may be used in other sports where the acquired variables are relevant, such as tennis, canoeing, among



A SYSTEM COMPRISING AN ELECTRONIC DEVICE AND A WEARABLE ARTICLE

WO - 29.07.2021

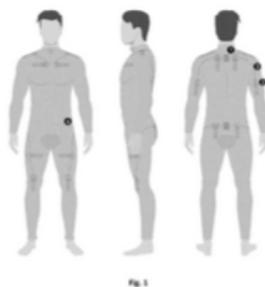
Electronic device [102] that can be attached to the sensor assembly to receive and the device is retained in place by means of a magnet [132] within the housing which which couple the sensing electrodes to an interface that is configured to couple the device includes one or more contacts [138b] which engage with the interface at the device to locate the electronic device on the garment. The electronic device can be easily



Isabel

extensible textile suit for optimizing the performance of athletes, namely for cyclists. The garment/clothing item of the present disclosure may be associated with an application for use in other sports where the acquired variables are relevant, such as tennis, canoeing, among

WO - 29.07.2021



HEALTH

Monitoring of vital parameters of human health, carried out for the purpose of health monitoring that includes a removable central unit with a radio modem unit, a channel selection unit, and a set of audio sensors built into the user's clothing. The system includes a spectrogram generation unit, the input of which is provided by the audio sensors, and a decision-making unit connected to the spectrogram generation unit. The decision-making unit is connected, and with an additional output to which the spectrogram generation unit is connected. EFFECT: invention provides an expansion of the range of technical means

RU - 23.07.2021

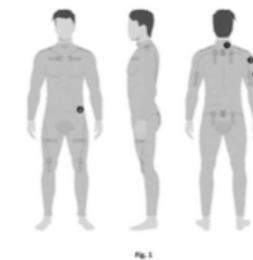


THEREOF

WO - 29.07.2021

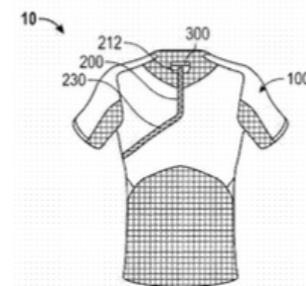
BOURA, Laura Isabel

and extensible textile suit for optimizing the performance of athletes, namely for cyclists. The garment/clothing item of the present disclosure may be associated with an application for use in other sports where the acquired variables are relevant, such as tennis, canoeing, among



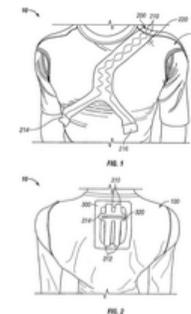
The garment includes a textile portion, a device-retention element coupled to the textile portion, and a layer of film. The conductive element includes a first termination point at the device retention element configured to connect to a sensor or transceiver.

CN - 17.10.2012



The garment includes a textile portion, a device-retention element coupled to the textile portion, and a layer of film. The conductive element includes a first termination point at the device retention element configured to connect to a sensor or transceiver.

EP - 03.10.2012



Exercise

1. Build a query in the *English abstract* to retrieve documents with the keyword **sensorized** that has to be close to the keywords **garment** or **cloth**
2. Practice displaying:
 1. Results by relevance
 2. **Only images**
 3. Opening one document with the result list next to it

EN_AB:(sensorized NEAR10 (garment OR cloth))



5,218 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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View: All+Image

1 / 53

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- Simple
- Double
- All
- All+Image
- Image
- Multi-columns

1. **WO/2021/148782** ELECTRONIC DEVICE, A

INCORPORATING AN ELECTRONIC DEVICE AND A SYSTEM COMPRISING AN ELECTRONIC DEVICE AND A WEARABLE ARTICLE

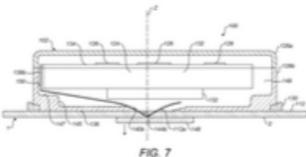
WO - 29.07.2021

Int.Class [A61B 5/256](#) ? Appl.No PCT/IB2021/051

EVAYU LIMITED Inventor LYNCH, Michael John

A wearable article [1] includes a sensor assembly [10] that processes biosignals. The electronic device is detachable and cooperates with a magnet on the garment. The sensor assembly includes sensing electrodes and conductors [112; 122a] which couple the sensing electrodes to an interface that is configured to couple the sensed biosignals to the electronic device. The electronic device includes one or more contacts [138b] which engage with the interface at the conductors so that biosignals can be coupled to the electronic device. The garment can also include a locating ring [130] to help locate the electronic device on the garment. The electronic device can be easily attached by a wearer, for example with the use of only one hand.

als of a wearer of the wearable article, and an electronic device [102] that can be attached to the sensor assembly to receive and the and includes a housing [128a, 128b]. The electronic device is retained in place by means of a magnet [132] within the housing which a sensing electrodes and conductors [112; 122a] which couple the sensing electrodes to an interface that is configured to couple the to the garment at the interface. The electronic device includes one or more contacts [138b] which engage with the interface at the conductors so that biosignals can be coupled to the electronic device. The garment can also include a locating ring [130] to help locate the electronic device on the garment. The electronic device can be easily attached by a wearer, for example with the use of only one hand.

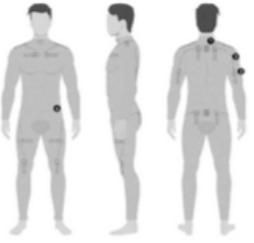


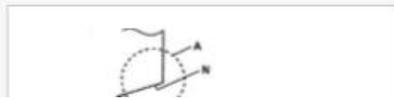
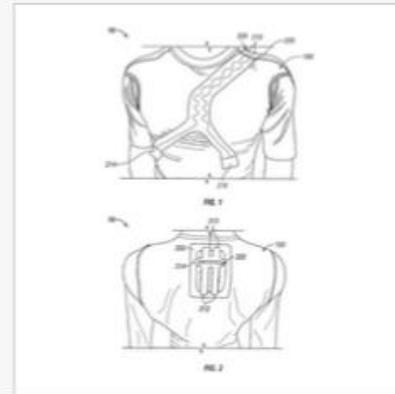
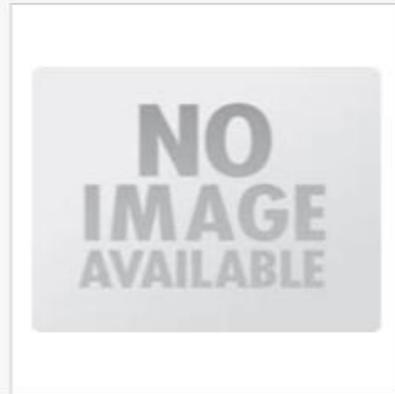
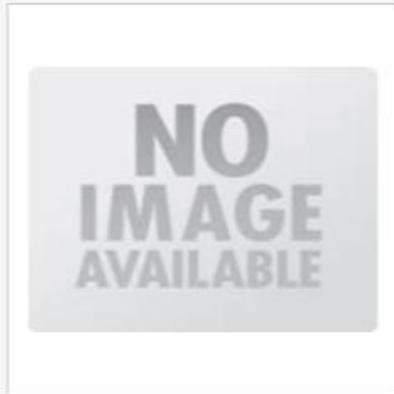
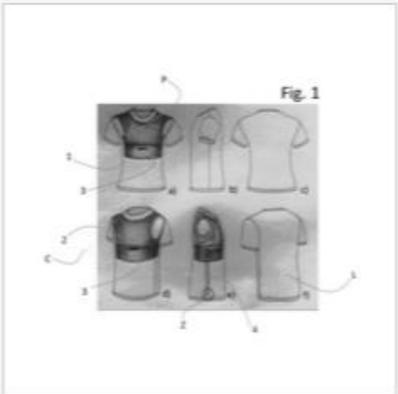
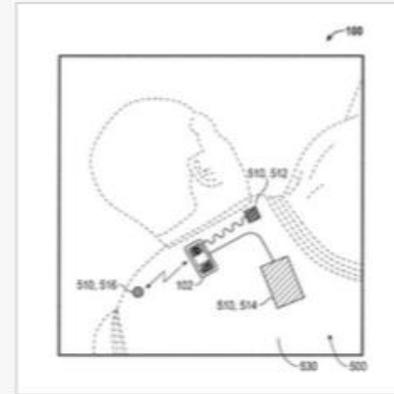
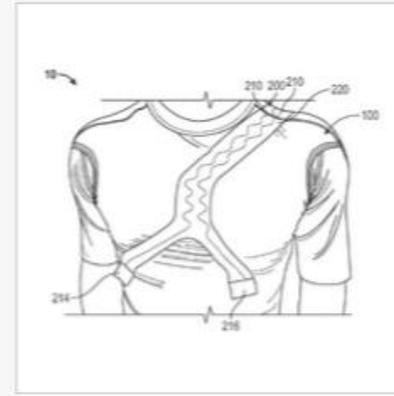
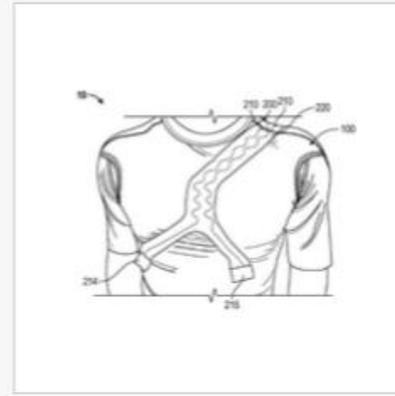
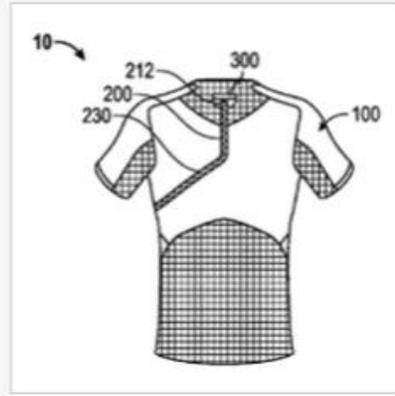
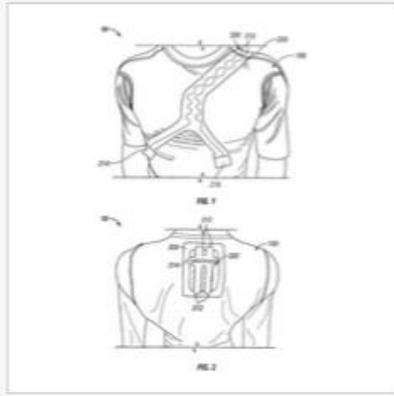
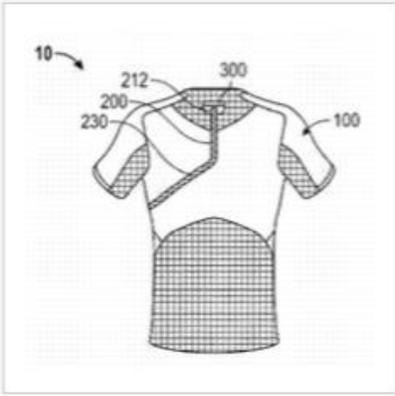
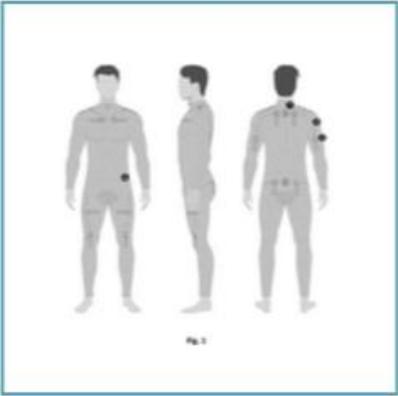
2. **WO/2021/149038** SENSORIZED GARMENT OR CLOTHING ITEM, METHOD OF OPERATION AND USES THEREOF

WO - 29.07.2021

Int.Class [A61B 5/00](#) ? Appl.No PCT/IB2021/050593 Applicant P & R - TÊXTEIS S.A. Inventor VIEIRA NEVES BOURA, Laura Isabel

The present disclosure refers to a sensorized and extensible garment or clothing item, in particular to a sensorized and extensible textile suit for optimizing the performance of athletes, namely for cyclists. The present disclosure also concerns electrocardiography sensors, elasticity sensors and electromyography sensors. The garment/clothing item of the present disclosure may be associated with an application for displaying the performance parameters. The sensorized garment/clothing item of the present disclosure may be used in other sports where the acquired variables are relevant, such as tennis, canoeing, among other sports.





Exercise

1. Build a query in the *English abstract* to retrieve documents with the keyword **sensorized** that has to be close to the keywords **garment** or **cloth**
2. Practice displaying:
 1. Results by relevance
 2. Only images
 3. **Opening one document with the result list next to it**

EN_AB:(sensorized NEAR10 (garment OR cloth))



5,218 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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1. [WO/2021/148782](#) ELECTRONIC DEVICE, A WEARABLE ARTICLE INCORPORATING AN ELECTRONIC DEVICE AND A SYSTEM COMPRISING AN ELECTRONIC DEVICE AND A WEARABLE ARTICLE

WO - 29.07.2021

Int.Class [A61B 5/256](#) Appl.No PCT/GB2021/050115 Applicant PREVAYL LIMITED Inventor LYNCH, Michael John

A wearable article [1] includes a sensor assembly [104] for sensing biosignals of a wearer of the wearable article, and an electronic device [102] that can be attached to the sensor assembly to receive and the process biosignals. The electronic device is detachable from the garment and includes a housing [128a, 128b]. The electronic device is retained in place by means of a magnet [132] within the housing which cooperates with a magnet on the **garment**. The **sensor** assembly includes a sensing electrodes and conductors [112; 122a] which couple the sensing electrodes to an interface that is configured to couple the sensed biosignals to the electronic device. The electronic device attaches to the garment at the interface. The electronic device includes one or more contacts [138b] which engage with the interface at the conductors so that biosignals can be coupled to the electronic device. The garment can also include a locating ring [130] to help locate the electronic device on the garment. The electronic device can be easily attached by a wearer, for example with the use of only one hand.

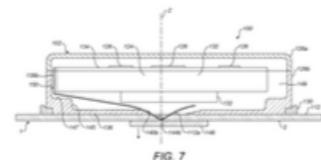


FIG. 7

2. [WO/2021/149038](#) SENSORIZED GARMENT OR CLOTHING ITEM, METHOD OF OPERATION AND USES THEREOF

WO - 29.07.2021

Int.Class [A61B 5/00](#) Appl.No PCT/IB2021/050593 Applicant P & R - TÊXTEIS S.A. Inventor VIEIRA NEVES BOURA, Laura Isabel

The present disclosure refers to a **sensorized** and extensible **garment** or **clothing** item, in particular to a **sensorized** and extensible textile suit for optimizing the performance of athletes, namely for cyclists. The present disclosure also concerns electrocardiography **sensors**, elasticity **sensors** and electromyography **sensors**. The **garment/clothing** item of the present disclosure may be associated with an application for displaying the performance parameters. The **sensorized garment/clothing** item of the present disclosure may be used in other sports where the acquired variables are relevant, such as tennis, canoeing, among other sports.

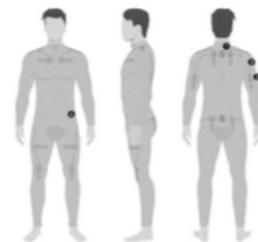


Fig. 1

3. [0002752137](#) PERSONAL TELEMEDICINE KIT FOR REMOTE MONITORING OF VITAL PARAMETERS OF HUMAN HEALTH

RU - 23.07.2021

Int.Class [A61B 5/0205](#) Appl.No 2021104900 Applicant Inventor Бондарик Александр Николаевич [RU]

FIELD: medicine, remote health monitoring in particular. SUBSTANCE: invention relates to the means of telemedicine remote monitoring of vital parameters of human health, carried out for the purpose of preliminary medical diagnosis, the choice of treatment tactics and methods of recovery of the patient. An invention is proposed that includes a removable central unit with a radio modem unit, a channel selection



EN_AB:(sensorized NEAR10 (garment OR cloth))



5,219 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Relevance 100 All+Image

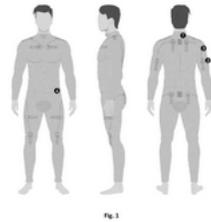
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1/53

1. **WO/2021/149038** SENSORIZED GARMENT OR CLOTHING ITEM, METHOD OF OPERATION AND USES THEREOF WO - 29.07.2021

Int.Class [A61B 5/00](#) Appl.No PCT/IB2021/050593 Applicant P & R - TÊXTEIS S.A.
Inventor VIEIRA NEVES BOURA, Laura Isabel

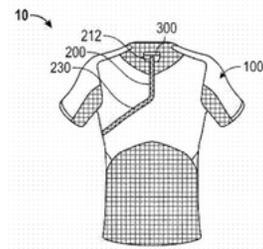
The present disclosure refers to a **sensorized** and extensible **garment** or **clothing** item, in particular to a **sensorized** and extensible textile suit for optimizing the performance of athletes, namely for cyclists. The present disclosure also concerns electrocardiography **sensors**, elasticity **sensors** and electromyography



2. **102727182** SENSOR GARMENT CN - 17.10.2012

Int.Class [A61B 5/00](#) Appl.No 201210092471.0 Applicant Adidas AG Inventor Scheffler Kim

The present invention provides a **sensor garment** including a harness. In one exemplary embodiment, the **sensor garment** includes a textile portion, a device-retention element coupled to the textile portion, and a stretchable harness coupled to the textile portion. The harness includes a conductive element disposed



3. **2505090** SENSOR GARMENT EP - 03.10.2012

1. **WO2021149038 - SENSORIZED GARMENT OR CLOTHING ITEM, METHOD OF OPERATION AND USES THEREOF**

[PCT Biblio. Data](#) [Description](#) [Claims](#) [Drawings](#) [ISR/WOSA/A17\(2\)\[a\]](#) [National Phase](#) [Notices](#) [Documents](#)

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Publication Number

WO/2021/149038

Publication Date

29.07.2021

International Application No.

PCT/IB2021/050593

International Filing Date

26.01.2021

IPC

[A61B 5/00 2006.1](#) [A41D 1/00 2018.1](#)
[A61B 5/282 2021.1](#) [A61B 5/296 2021.1](#)

Applicants

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4795-160 Rebordões, PT

PLUX - WIRELESS BIOSIGNALS, S.A. [PT]/[PT]
Avenida 5 De Outubro 70 2º 1050-059
Lisboa, PT

CITEVE - CENTRO TECNOLÓGICO DAS INDÚSTRIAS

Title

[EN] SENSORIZED GARMENT OR CLOTHING ITEM, METHOD OF OPERATION AND USES THEREOF

[FR] PIÈCE OU ARTICLE VESTIMENTAIRE ÉQUIPÉ DE CAPTEURS, PROCÉDÉ DE FONCTIONNEMENT ET SES UTILISATIONS

[PT] PEÇA OU ARTIGO DE VESTUÁRIO SENSORIZADO, MÉTODO DE OPERAÇÃO E SEUS USOS

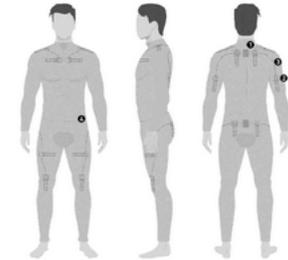
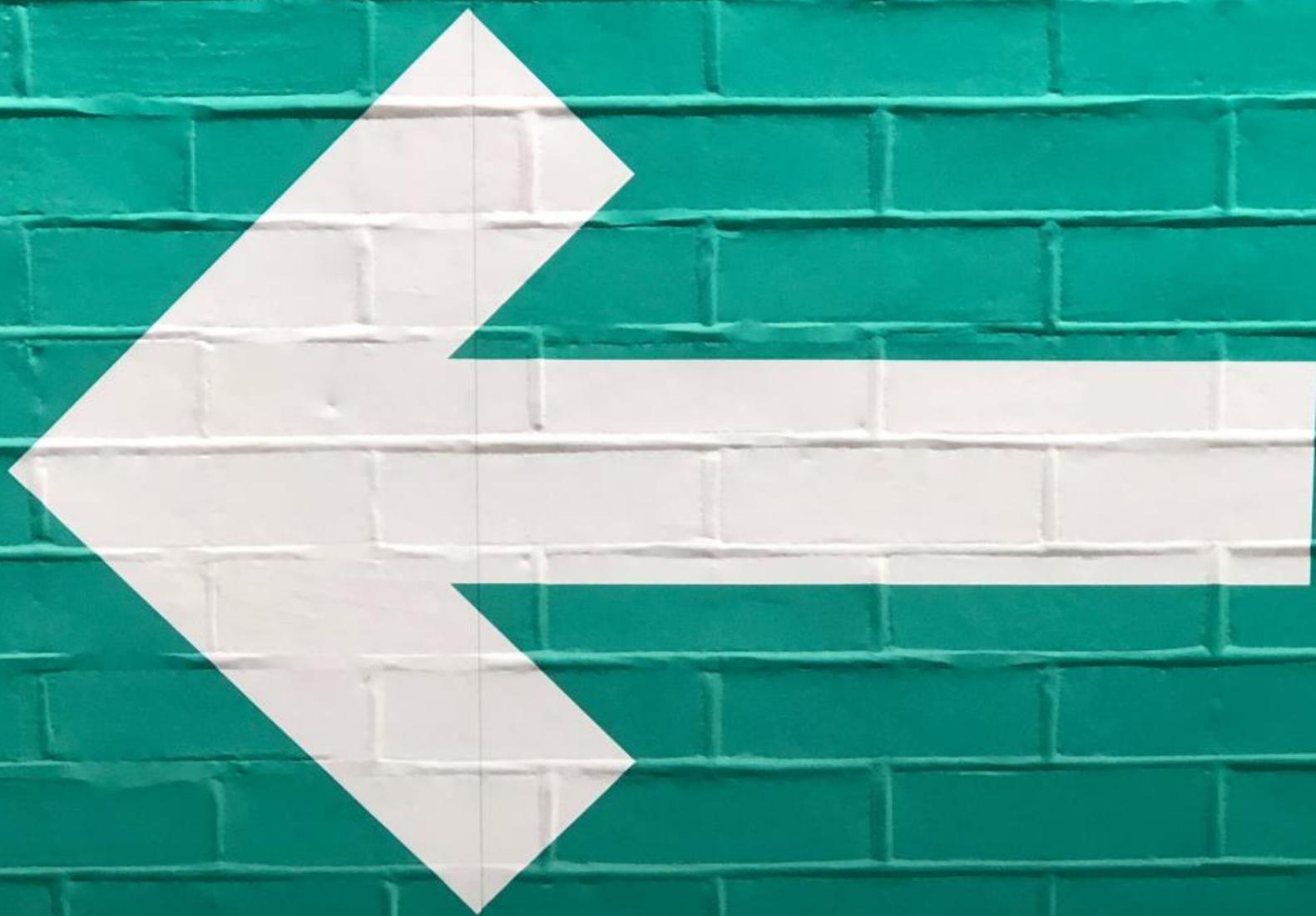


Fig. 1

Abstract

[EN]

The present disclosure refers to a **sensorized** and extensible **garment** or **clothing** item, in particular to a **sensorized** and extensible textile suit for optimizing the performance of athletes, namely for cyclists. The present disclosure also concerns electrocardiography **sensors**, elasticity **sensors** and electromyography **sensors**. The



FP:(electric bicycle)



16,381 results Offices all Languages all Stemming true Single Family Member false Include NPL false

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

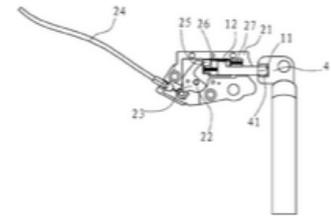
< 1/164 >

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Machine translation ▼

1. 102745284 ELECTRIC BICYCLEInt.Class [B62H 1/04](#) ? Appl.No 201210266449.3 Applicant Ningbo Dandelion Vehicle Industry Technology Co., Ltd. Inventor Chen Quanfeng

The invention relates to an **electric bicycle** which comprises a **bicycle** body, wherein a **bicycle** lock mechanism is arranged on the **bicycle** body, and a pedal which is rotatably connected with the **bicycle** body is arranged at the lower part of the **bicycle** body. The **electric bicycle** is characterized by also comprising a pedal locking mechanism, wherein the pedal locking mechanism comprises a locking rod and a drive mechanism; the locking rod is movably arranged at the inner side of the **electric bicycle** pedal, has an extension state and a withdrawing state and is abutted against the inner side of the **electric bicycle** pedal in the extension state, so that the **electric bicycle** pedal can be prevented from sliding towards the tail of an **electric bicycle** and dropping off from a landing state; and the drive mechanism is connected with the locking rod and drives the locking rod so that the locking rod keeps the extension state or the withdrawing state, and the drive mechanism is connected with the **bicycle** lock mechanism of the **electric bicycle**. Compared with the prior art, the **electric bicycle** has the advantages that by arranging the locking rod which is connected with and driven by the **bicycle** lock mechanism of the **electric bicycle** at the inner side of the **electric bicycle** pedal, after the **bicycle** lock mechanism is locked, the locking rod is driven by the drive mechanism to extend outwards and abut against the inner side of the **electric bicycle** pedal, so that the **electric bicycle** pedal can be effectively prevented from sliding towards the tail of the **electric bicycle** and dropping off from the landing state.



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2. 111063120 ELECTRIC BICYCLE CONTROL METHOD, ELECTRIC BICYCLE AND ELECTRIC BICYCLE SYSTEMInt.Class [G07F 17/00](#) ? Appl.No 201911203200.6 Applicant BEIJING MOBIKE TECHNOLOGY CO., LTD. Inventor JIN HONGDU

The invention discloses an **electric bicycle** control method, an **electric bicycle** and an **electric bicycle** system. The method comprises the steps that a server responds to an unlocking request sent by a user terminal for the **electric bicycle** and sends an unlocking instruction to the **electric bicycle**; the **electric bicycle** responds to the unlocking instruction, detects whether the **electric bicycle** meets a first unlocking condition or not, and controls a lock of the **electric bicycle** to be unlocked under the condition that the **electric bicycle** meets the first unlocking condition; the server sends a locking instruction to the **electric bicycle** in response to a locking request sent by the user terminal for the **electric bicycle**; the **electric bicycle** responds to the locking instruction, detects whether the **electric bicycle** meets a first locking condition or not, and controls the **bicycle** lock to be locked under the condition that the **electric bicycle** meets the first locking condition. The first locking condition comprises that a parameter value representing the current running speed of the **electric bicycle** is smaller than or equal to a set safety threshold value.

CN - 24.04.2020

**3. 107160957 ELECTRIC BICYCLE WITH MICRO-ELECTRIC PUMP**Int.Class [B60C 23/10](#) ? Appl.No 102017000222108 Applicant WEI HONGYAN Inventor WEI HONGYAN

The invention belongs to an **electric bicycle** with a micro-**electric** pump, relates to the field of **electric** bicycles, in particular to an **electric bicycle**, and aims to provide an **electric bicycle** with the micro-**electric** pump. A user conveniently goes to work by riding the **electric bicycle**, cargoes are conveniently conveyed by the **electric bicycle**, the user frequently needs to manually push the **electric bicycle** to walk an inflatable maintenance point if gas in tires of the **electric bicycle** leaks, and labor and time are wasted. The **electric bicycle** is characterized in that the **electric bicycle** comprises a micro-**electric** pump fixing frame, a control panel, a pump pipe, a valve core placing box, a valve core fixing frame, a pressure meter fixing box, an **electric** micro-**electric** pump and a storage battery, the micro-**electric** pump fixing frame and the control panel are fixed on a seat tube of the **electric bicycle**, the pump pipe, the valve core placing box and the valve core fixing frame are fixed on an upper tube of the **electric bicycle**, the pressure meter fixing box is fixed on a front tube of the **electric bicycle**, the **electric** micro-**electric** pump is arranged in the micro-**electric** pump fixing frame, the storage battery is fixed on a carrying frame below a seat of the **electric bicycle** and

CN - 15.09.2017

NO
IMAGE
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IPC Tooltip Help

Advanced Search Instant Help

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Result and detail side by side

Multiple Windows Interface

Default Search Form

Field Combination



1. [WO2018051622](#) 送信装置、およびシステム

JP - 22.03.2018

Int.Class [H04L25/02](#) [?](#) Appl.No 2018539538 Applicant ソニーセミコンダクタソリューションズ株式会社 Inventor 林 宏暁

送信データに基づいて、送信データにおけるデータ遷移後の反射ノイズの影響が低減された送信信号を送信する機能を有する送信部を備える、送信装置が、提供される。
【選択図】 図 1 2

2. [WO2018052002](#) THROMBOSPONDIN 1 結合ペプチド

JP - 22.03.2018

Int.Class [C07K7/64](#) [?](#) Appl.No 2018539738 Applicant 第一三共株式会社 Inventor 山口 孝弘

TSP1の機能を阻害することで血管新生を促進することができ、重症下肢虚血などの疾患の治療または予防に有用である化合物の提供。
式 (I)
【化1】

【式中、Aは、連結残基であり；X_{aa3}は、アミノ酸の残基である、脂肪族アミノ酸またはその薬理上許

1. [WO2018051622](#) TRANSMITTER AND SYSTEM

JP - 22.03.2018

Int.Class [H04L25/02](#) [?](#) Appl.No 2018539538 Applicant ソニーセミコンダクタソリューションズ株式会社 Inventor 林 宏暁

on the basis of the transmission data, a transmission unit having a function of transmitting a transmission signal in which the effect of reflection noise after data transition in the transmission data is reduced [selection diagram]. FIG. 12

3. [2019512401](#)

Int.Class [B23C5/10](#)

回転切削工具 (20) 部材 (38) を含む
【選択図】 図 1

2. [WO2018052002](#) TO PROVIDE A THROBOSPONDIN1 BINDING PEPTIDE

JP - 22.03.2018

Int.Class [C07K7/64](#) [?](#) Appl.No 2018539738 Applicant 第一三共株式会社 Inventor 山口 孝弘

to provide a compound capable of promoting angiogenesis by inhibiting the function of TSP1, and useful for treatment or prevention of diseases such as severe lower limb ischemia
formula [I]
【化1】

in the formula, an is selected from a linking group a1 to a6, and xa1 is a residue of an aliphatic amino acid, an aromatic amino acid, a basic amino acid, a neutral amino acid or an acidic amino acid, or does not exist; xa2 is a residue of an aromatic amino acid or a neutral amino acid; xa3 is a residue of an aliphatic amino acid, an aromatic amino acid or a basic amino acid; xaa4 is ser, thr, ala, or MS; xaa5 is gly or ser; xaa6 is a residue of a basic amino acid or a neutral amino acid; xaa7 is a residue of a neutral amino acid or an acidic amino acid; xaa8 is an aromatic amino acid residue; an aliphatic amino acid, an aromatic amino acid, or a neutral amino acid residue; xaa11 is an aromatic amino acid residue; xaa12 is a residue of an aliphatic amino acid, an aromatic amino acid or a basic amino acid]; and xaa12 is a residue of an aliphatic amino acid, an aromatic amino acid or a basic amino acid]

4. [2019512679](#)

Int.Class [G01R27/21](#)

本発明の一実施例に及び第1基準抵抗；
第2基準抵抗

3. [2019512401](#) ROTARY CUTTING TOOL HAVING TOOL HOLDER WITH CONICAL FEMALE SCREW AND REPLACEABLE CUTTING HEAD WITH PARALLEL MALE SCREW, AND TOOL HOLDER

JP - 28.09.2017

Int.Class [B23C5/10](#) [?](#) Appl.No 2018540098 Applicant イスカル リミテッド Inventor ガイ, ハノック

a rotary cutting tool 20 includes a replaceable cutting head 22 and a tool holder 24. The replaceable cutting head 22 includes a front cutting part 26 and a rear mounting part 28. the attachment part 28 includes a male coupling member 38 including a parallel male screw 42. The tool holder 24 includes a female coupling member 68 including a conical female screw 72. When the rotary cutting tool 20 is in the locked position, the male screw 42 is engaged with the female screw 72 in a threaded manner
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4. [2019512679](#) APPARATUS AND METHOD FOR CALCULATING INSULATION RESISTANCE OF BATTERY

JP - 24.05.2018

Int.Class [G0R27/20](#) [?](#) Appl.No 2018545609 Applicant エルジー・ケム・リミテッド Inventor キム, ジーフン

an insulation resistance calculation device according to an embodiment of the present invention includes: a switching part including a first switch and a second switch which are controlled independently of each other; a first protective resistance and a first reference resistance connected in series between a positive terminal of the battery and the ground when the first switch is turned on; a first reference resistance; a second protective resistor and a second reference resistor connected in

FP:(electric bicycle)



16,381 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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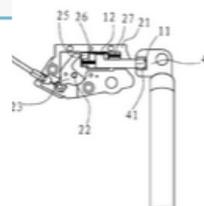
1. 102745284 ELECTRIC BICYCLEInt.Class [B62H 1/04](#) Appl.No 201210266449.3 Applicant Ningbo Dandelion Vehicle Industry Technology Co., Ltd. Inventor Chen Quanfeng

The invention relates to an **electric bicycle** which comprises a **bicycle** body, wherein a **bicycle** lock mechanism is arranged on the **bicycle** body, and a pedal which is rotatably connected arranged at the lower part of the **bicycle** body. The **electric bicycle** is characterized by also comprising a pedal locking mechanism, wherein the pedal locking mechanism comprises a mechanism; the locking rod is movably arranged at the inner side of the **electric bicycle** pedal, has an extension state and a withdrawing state and is abutted against the inner side of the the extension state, so that the **electric bicycle** pedal can be prevented from sliding towards the tail of an **electric bicycle** and dropping off from a landing state; and the drive mechanism locking rod and drives the locking rod so that the locking rod keeps the extension state or the withdrawing state, and the drive mechanism is connected with the **bicycle** lock mechanism. Compared with the prior art, the **electric bicycle** has the advantages that by arranging the locking rod which is connected with and driven by the **bicycle** lock mechanism of the **electric bicycle** the **electric bicycle** pedal, after the **bicycle** lock mechanism is locked, the locking rod is driven by the drive mechanism to extend outwards and abut against the inner side of the **electric bicycle** pedal, so that the **electric bicycle** pedal can be effectively prevented from sliding towards the tail of the **electric bicycle** and dropping off from the landing state.

100 results

10,000 results

CN - 24.10.2012

**2. 111063120 ELECTRIC BICYCLE CONTROL METHOD, ELECTRIC BICYCLE AND ELECTRIC BICYCLE SYSTEM**Int.Class [G07F 17/00](#) Appl.No 201911203200.6 Applicant BEIJING MOBIKE TECHNOLOGY CO., LTD. Inventor JIN HONGDU

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CN - 24.04.2020

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CN - 15.09.2017

NO
IMAGE
AVAILABLE

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88,901,910 results Offices all Languages en Stemming true Single Family Member false

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1. [1020000065684](#) COMPETER SYSTEM REDUCING POWER CONSUMPTION

KR - 15.11.2000

Int.Class [G06F 1/32](#) Appl.No 1019990012283 Applicant HYUNDAI ELECTRONICS IND. CO., LTD. Inventor KIM, DONG YEOL

PURPOSE: A computer system is provided to maintain a cache memory in a power down mode in that case that a cache miss occurs in order to reduce the power consumption of the cache memory.

CONSTITUTION: A computer system comprises a CPU[100], a cache memory[130], a tag RAM[110], and a cache controller[120]. The CPU[100] processes instructions in response to clock signals, and generates an address for an external data access request. The cache memory[130] stores frequently used data. The tag RAM[110] compares the address with a tag information on the data stored in the cache memory[130], and generates a cache hit or a cache miss signal. The cache controller[120] is driven in response to a first clock signal, and generates a second clock signal in response to the cache hit and cache miss signal to control an operation of the cache memory[130]. The cache controller[120] includes a triggering device triggering the cache hit or the cache miss signal in response to the first clock signal, and a second clock signal generator selecting a DC level or the first clock signal in response to a selection signal from the triggering device.

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2. [1020000065674](#) METHOD FOR OPERATING COMMUNICATION BY WIRELESS PROTOCOL OF NEXT GENERATION MOBILE COMMUNICATION SYSTEM

KR - 15.11.2000

Int.Class [H04L 12/56](#) Appl.No 1019990012255 Applicant LG INFORMATION & COMMUNICATIONS LTD. Inventor HWANG, IN TAE

PURPOSE: A method for operating communication by a wireless protocol of a next generation mobile communication system, is provided that a radio link control layer(RLC) efficiently perform radio link control between an upper layer, a radio resource control layer(RRC) and a lower layer, a medium access control layer(MAC) according to data transmission modes.

CONSTITUTION: A radio link control layer-transparent(RLC-T) entity segments a service data unit(SDU) delivered from an upper layer into many protocol data units(PDUs) to transmit the segmented units to a lower layer, or re-assembles the PDUs received from the lower layer into the SDU to transmit the reassembled unit to the upper layer. An RLC-unacknowledged entity segments the SDU delivered from the upper layer into many PDUs and performs framing by inserting header into the segmented units, then transmit the framed units to the lower layer. Or the RLC-unacknowledged entity separates header of the PDUs received from the lower layer and reassembles the separated units into the SDU according to detection of errors, then delivers the reassembled unit to the upper layer. An RLC-acknowledged entity has blocks to correct or retransmit for corresponding PDUs according to errors of each PDU received from the lower layer. A multiplexing/demultiplexing block multiplexes/demultiplexes delivered PDUs to connect parts of the RLC entities to the lower layer through many logic channels.

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1. WO2011162765 - WEB PRESS AND A METHOD OF DUPLEX PRINTING



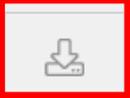
PCT Biblio. Data Description Claims Drawings National Phase Notices Documents

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International Application Status

Date	Title	View	Download
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Published International Application

Date	Title	View	Download	
29.12.2011	Initial Publication with ISR[(A1 52/2011)]	PDF (34p.)	PDF (34p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>

Search and Examination-Related Documents

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24.12.2012	(ISA/237) Written Opinion of the International Searching Authority	PDF (3p.)	PDF (3p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>
29.12.2011	(ISA/210) International Search Report	PDF (4p.)	PDF (4p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>

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W02017124775	24.07.2018	[IB/373] International Preliminary Report on Patentability Chapter I	W02017124775-IPRP1-20180724-9715.pdf	5	
W02017124775	27.07.2017	[ISA/210] International Search Report	W02017124775-ISR-20170727-6934.pdf	4	
W02011120124	06.10.2011	Initial Publication with ISR	W02011120124-PAMPH-20111006-2279.pdf	21	

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1. [1020000065684](#) COMPETER SYSTEM REDUCING POWER CONSUMPTION

KR - 15.11.2000

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KR - 15.11.2000

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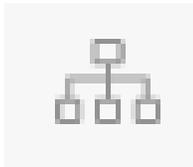
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RSS feed



QUERY TREE Close

```
PAA:"electric car" INA:"electric car" RPA:"electric car" ICS:electric car AN:electric car WO:electric car PN:electric car GN:electric car AR_TI_S:"electric car" BG_TI_S:"electric car" CN_TI_S:"electric car" DA_TI_S:"electric ca
PAA:"electric car" --> 365
INA:"electric car" --> 2
RPA:"electric car" --> 0
ICS:electric car --> 0
AN:electric car --> 0
WO:electric car --> 0
PN:electric car --> 0
GN:electric car --> 0
AR_TI_S:"electric car" --> 0
BG_TI_S:"electric car" --> 0
CN_TI_S:"electric car" --> 0
DA_TI_S:"electric car" --> 0
```

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Wind turbine	EN_AB:"wind turbine"	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
Magnetic chip	EN_AB:"magnetic chip"	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
green energy	EN_TI:((((windturbine OR ((eolic OR eolian OR aeolian OR wind OR windmill) NEAR2 (turbine OR power OR generator)))) NEAR500 (HAWT OR (horizontal NEAR2 (axle OR shaft OR axes OR axis)))) AND ((armature^5 OR rotor^5 OR rotor^20 OR helix^5 OR "helical member"^5) OR (aerofoil^5 OR vane^5 OR fins^5 OR paddles^5 OR airfoils^5 OR blade^5)))) OR EN_AB:((((windturbine OR ((eolic OR eolian OR aeolian OR wind OR windmill) NEAR2 (turbine OR power OR generator)))) NEAR500 (HAWT OR (horizontal NEAR2 (axle OR shaft OR axes OR axis)))) AND ((armature^5 OR rotor^5 OR rotor^20 OR helix^5 OR "helical member"^5) OR (aerofoil^5 OR vane^5 OR fins^5 OR paddles^5 OR airfoils^5 OR blade^5))))	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
1	EN_ALL:"human space flight" OR "manned space flight" OR "crewed space flight" OR "human spaceflight" OR "manned spaceflight" OR "crewed spaceflight"	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
chem search	CHEM:(BNRNXXUZRQQAQC-UHFFFAOYSA-N)	WO	Relevance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	10	<input type="checkbox"/>	 
bicycle	en_ab:bicycle	All	Pub Date Desc	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input type="checkbox"/>	 
cat	ALLTXT:(cat) AND IC: ("A23K 50/40" OR "B62B 9/14" OR "A63H 13/02" OR "B32B" OR "B65D")	All	Relevance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	10	<input type="checkbox"/>	 
bici	FP:(electric bicycle)	All	Relevance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
Li	FP:(biodegradable copoly)	All	Pub Date Desc	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 

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1. **20210160798** MEASUREMENT CONFIGURATION METHOD AND APPARATUS

US - 27.05.2021

Int.Class [H04W 56/00](#) ⓘ Appl.No 17170524 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Lili Zheng

This application provides a measurement configuration method and an apparatus. The method includes: determining that a serving cell changes from a first cell to a second cell; and updating or deleting a current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. According to the solution provided in this application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted.

2. **202147006695** MEASUREMENT CONFIGURATION METHOD AND APPARATUS

IN - 26.02.2021

Int.Class [H04W/](#) ⓘ Appl.No 202147006695 Applicant [HUAWEI](#) TECHNOLOGIES CO., LTD. Inventor ZHENG, Lili

The present application provides a measurement configuration method and apparatus. Said method comprises: determining that a serving cell changes from a first cell to a second cell; and updating or deleting the current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. In the solution provided in the present application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted, so that the problem that the measurement window configuration of the terminal device is not suitable for measurement can be solved to a certain degree.

3. **20210168906** MESSAGE TRANSMISSION METHOD, APPARATUS, AND STORAGE MEDIUM

US - 03.06.2021

Int.Class [H04W 88/18](#) ⓘ Appl.No 17172699 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Zaifeng Zong

A message transmission method includes receiving, by a first transmission proxy, a first message from a first service instance, where the first message includes an identifier of a first service set, obtaining, by the first transmission proxy, a second service instance in the first service set based on the identifier that is of the first service set and that is included in the received first message, and sending, by the first transmission proxy, a second message to the second service instance based on the first message.

4. **20210185308** REFERENCE PICTURE MANAGEMENT IN VIDEO CODING

US - 17.06.2021

Int.Class [H04N 19/105](#) ⓘ Appl.No 17176579 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Ye-Kui Wang

A method of decoding a coded video bitstream is provided. The method includes parsing a slice header of a current slice represented in the coded video bitstream. The slice header includes a reference picture list structure. The method also includes deriving, based on the reference picture list structure, a reference picture list of the current slice; and obtaining, based on the reference picture list, at least one reconstructed block of the current slice.

1. [20210160798](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

Int.Class [H04W 56/00](#) ⓘ Appl.No 17170524 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Lili Zheng

This application provides a measurement configuration method and an apparatus. The method includes: determining that a serving cell changes from a first cell to a second cell; and updating or deleting a current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. According to the solution provided in this application, when the serving cell changes, the current measurement window configuration of the terminal device is updated or deleted.

2. [202147006695](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

Int.Class [H04W/](#) ⓘ Appl.No 202147006695 Applicant [HUAWEI](#) TECHNOLOGIES CO., LTD. Inventor ZHENG, Lili

The present application provides a measurement configuration method and apparatus. Said method comprises: determining that a serving cell changes from a first cell to a second cell; and updating or deleting the current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. In the solution provided in the present application, when the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted, so that the problem that the measurement window configuration of the terminal device is not suitable for is solved to a certain degree.

3. [20210168906](#) MESSAGE TRANSMISSION METHOD, APPARATUS, AND STORAGE MEDIUM

Int.Class [H04W 88/18](#) ⓘ Appl.No 17172699 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Zaifeng Zong

A message transmission method includes receiving, by a first transmission proxy, a first message from a first service instance, where the first message includes an identifier of a first service set, obtaining, by the first transmission proxy, a second message from a second service instance in the first service set based on the identifier that is of the first service set and that is included in the received first message, and sending, by the first transmission proxy, a second message to the second service instance based on the first message.

4. [20210185308](#) REFERENCE PICTURE MANAGEMENT IN VIDEO CODING

Int.Class [H04N 19/105](#) ⓘ Appl.No 17176579 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Ye-Kui Wang

A method of decoding a coded video bitstream is provided. The method includes parsing a slice header of a current slice represented in the coded video bitstream. The slice header includes a reference picture list structure. The method also includes deriving, based on the reference picture list structure, a reference picture list of the current slice; and obtaining, based on the reference picture list, at least one reconstructed block of the current slice.

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1. [20210160798](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

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1. [20210160798](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

US - 27.05.2021

Int.Class [H04W 58/00](#) Appl.No 17170524 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Lili Zheng

This application provides a measurement configuration method and an apparatus. The method includes: determining that a serving cell changes from a first cell to a second cell; and updating or deleting a current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. According to the solution provided in this application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted.

2. [202147006695](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

IN - 26.02.2021

Int.Class [H04W /](#) Appl.No 202147006695 Applicant [HUawei](#) TECHNOLOGIES CO., LTD. Inventor ZHENG, Lili

The present application provides a measurement configuration method and apparatus. Said method comprises: determining that a serving cell changes from a first cell to a second cell; and updating or deleting the current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. In the solution provided in the present application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted, so that the problem that the measurement window configuration of the terminal device is not suitable for measurement can be solved to a certain degree.

3. [20210168906](#) MESSAGE TRANSMISSION METHOD, APPARATUS, AND STORAGE MEDIUM

US - 03.06.2021

Int.Class [H04W 88/18](#) Appl.No 17172699 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Zaifeng Zong

A message transmission method includes receiving, by a first transmission proxy, a first message from a first service instance, where the first message includes an identifier of a first service set, obtaining, by the first transmission proxy, a second service instance in the first service set based on the identifier that is of the first service set and that is included in the received first message, and sending, by the first transmission proxy, a second message to the second service instance based on the first message.

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1. [20210160798](#) 测量配置方法和装置

US - 27.05.2021

Int.Class [H04W 56/00](#) ? Appl.No 17170524 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Lili Zheng

本申请提供了一种测量配置方法和装置。该方法包括: 确定服务小区从第一小区变为第二小区; 更新或删除当前测量窗口配置。测量窗口配置用于指示终端设备测量下行参考信号的时域位置。根据本申请提供的方案, 当终端设备的服务小区发生变化时, 更新或删除终端设备当前的测量窗口配置。

2. [202147006695](#) 测量配置方法和装置

IN - 26.02.2021

Int.Class [H04W/](#) ? Appl.No 202147006695 Applicant [HUAWEI](#) TECHNOLOGIES CO., LTD. Inventor ZHENG, Lili

本申请提供了一种测量配置方法和装置。所述方法包括: 确定服务小区从第一小区变为第二小区; 更新或删除当前测量窗口配置。测量窗口配置用于指示终端设备测量下行参考信号的时域位置。本申请提供的方案, 当终端设备的服务小区发生变化时, 更新或删除终端设备当前的测量窗口配置, 从而解决终端设备的测量窗口配置不适合的问题。测量可以在一定程度上解决。

3. [20210168906](#) 消息传输方法、装置和存储介质

US - 03.06.2021

Int.Class [H04W 88/18](#) ? Appl.No 17172699 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Zaifeng Zong

一种消息传输方法, 包括第一传输代理接收来自第一服务实例的第一消息, 第一消息包括第一服务集合的标识, 第一传输代理获取第一服务实例中的第二服务实例。基于接收到的第一消息中包含的第一服务集的标识的服务集, 第一传输代理基于第一消息向第二服务实例发送第二消息。

4. [20210185308](#) 参考视频编码中的图片管理

US - 17.06.2021

Int.Class [H04N 19/105](#) ? Appl.No 17176579 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Ye-Kui Wang

提供了一种解码编码视频比特流的方法。该方法包括解析编码视频比特流中表示的当前切片的切片标头。片头包括参考图片列表结构。该方法还包括基于参考图片列表结构导出当前条带的参考图片列表; 基于参考图片列表, 获取当前切片的至少一个重构块。

5. [202137009540](#) 功率测定方法和装置

IN - 26.03.2021

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1. [20210160798](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

US - 27.05.2021

Int.Class [H04W 56/00](#) ⓘ Appl.No 17170524 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Lili Zheng

This application provides a measurement configuration method and an apparatus. The method includes: determining that a serving cell changes from a first cell to a second cell; and updating or deleting a current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. According to the solution provided in this application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted.

2. [202147006695](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

IN - 26.02.2021

Int.Class [H04W](#) ⓘ Appl.No 202147006695 Applicant [HUAWEI](#) TECHNOLOGIES CO., LTD. Inventor ZHENG, Lili

The present application provides a measurement configuration method and apparatus. Said method comprises: determining that a serving cell changes from a first cell to a second cell; and updating or deleting the current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. In the solution provided in the present application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted, so that the problem that the measurement window configuration of the terminal device is not suitable for measurement can be solved to a certain degree.

3. [20210168906](#) MESSAGE TRANSMISSION METHOD, APPARATUS, AND STORAGE MEDIUM

US - 03.06.2021

Int.Class [H04W 88/18](#) ⓘ Appl.No 17172699 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Zaifeng Zong

A message transmission method includes receiving, by a first transmission proxy, a first message from a first service instance, where the first message includes an identifier of a first service set, obtaining, by the first transmission proxy, a second service instance in the first service set based on the identifier that is of the first service set and that is included in the received first message, and sending, by the first transmission proxy, a second message to the second service instance based on the first message.

4. [20210185308](#) REFERENCE PICTURE MANAGEMENT IN VIDEO CODING

US - 17.06.2021

Int.Class [H04N 19/105](#) ⓘ Appl.No 17176579 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Ye-Kui Wang

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1. [20210160798](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

US - 27.05.2021

Int.Class [H04W 56/00](#) Appl.No 17170524 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Lili Zheng

This application provides a measurement configuration method and an apparatus. The method includes: determining that a serving cell changes from a first cell to a second cell; and updating or deleting a current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. According to the solution provided in this application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted.

2. [202147006695](#) MEASUREMENT CONFIGURATION METHOD AND APPARATUS

IN - 26.02.2021

Int.Class [H04W/](#) Appl.No 202147006695 Applicant [HUAWEI](#) TECHNOLOGIES CO., LTD. Inventor ZHENG, Lili

The present application provides a measurement configuration method and apparatus. Said method comprises: determining that a serving cell changes from a first cell to a second cell; and updating or deleting the current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. In the solution provided in the present application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted, so that the problem that the measurement window configuration of the terminal device is not suitable for measurement can be solved to a certain degree.

3. [20210168906](#) MESSAGE TRANSMISSION METHOD, APPARATUS, AND STORAGE MEDIUM

US - 03.06.2021

Int.Class [H04W 88/18](#) Appl.No 17172699 Applicant [Huawei](#) Technologies Co., Ltd. Inventor Zaifeng Zong

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4. [20210185308](#) REFERENCE PICTURE MANAGEMENT IN VIDEO CODING

US - 17.06.2021

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6	Application Id	Application Date	Title	Abstract	IPC
7	US325116089	08.02.2021	MEASUREMENT CONFIGURATION METHOD AND APPARATUS	<p><p id="p-0001" num="0000">This application provides a measurement configuration method and an apparatus. The method includes: determining that a serving cell changes from a first cell to a second cell; and updating or deleting a current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. According to the solution provided in this application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted.</p></p>	H04W 56/00; H04W 24/10; H04W 36/00; H04W 36/08; H04W 76/19
8	IN320779060	17.02.2021	MEASUREMENT CONFIGURATION METHOD AND APPARATUS	<p>The present application provides a measurement configuration method and apparatus. Said method comprises: determining that a serving cell changes from a first cell to a second cell; and updating or deleting the current measurement window configuration. The measurement window configuration is used to indicate a time domain position at which a terminal device measures a downlink reference signal. In the solution provided in the present application, when the serving cell of the terminal device changes, the current measurement window configuration of the terminal device is updated or deleted, so that the problem that the measurement window configuration of the terminal device is not suitable for measurement can be solved to a certain degree.</p>	H04W /; H04W /; H04L /; H04B /; H04W /
	US325714449	10.02.2021	Message Transmission Method, Apparatus, and Storage Medium	<p><p id="p-0001" num="0000">A message transmission method includes receiving, by a first transmission proxy, a first message from a first service instance, where the first message includes an identifier of a first service set obtained by the first transmission proxy, a second service instance in</p>	H04W 88/18; H04W 48/16; H04W 48/18

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1. WO2021151386 - SIDE LINK RESOURCE MANAGEMENT



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2. WO2021139807 - MODULATION AND CODING FOR MULTIPLE RESOURCE UNITS IN WIRELESS NETWORK



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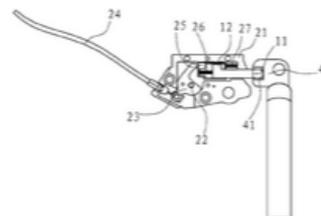
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1. 102745284 ELECTRIC BICYCLEInt.Class [B62H 1/04](#) ? Appl.No 201210266449.3 Applicant Ningbo Dandelion Vehicle Industry Technology Co., Ltd. Inventor Chen Quanfeng

The invention relates to an **electric bicycle** which comprises a **bicycle** body, wherein a **bicycle** lock mechanism is arranged on the **bicycle** body, and a pedal which is rotatably connected with the **bicycle** body is arranged at the lower part of the **bicycle** body. The **electric bicycle** is characterized by also comprising a pedal locking mechanism, wherein the pedal locking mechanism comprises a locking rod and a drive mechanism; the locking rod is movably arranged at the inner side of the **electric bicycle** pedal, has an extension state and a withdrawing state and is abutted against the inner side of the **electric bicycle** pedal in the extension state, so that the **electric bicycle** pedal can be prevented from sliding towards the tail of an **electric bicycle** and dropping off from a landing state; and the drive mechanism is connected with the locking rod and drives the locking rod so that the locking rod keeps the extension state or the withdrawing state, and the drive mechanism is connected with the **bicycle** lock mechanism of the **electric bicycle**. Compared with the prior art, the **electric bicycle** has the advantages that by arranging the locking rod which is connected with and driven by the **bicycle** lock mechanism of the **electric bicycle** at the inner side of the **electric bicycle** pedal, after the **bicycle** lock mechanism is locked, the locking rod is driven by the drive mechanism to extend outwards and abut against the inner side of the **electric bicycle** pedal, so that the **electric bicycle** pedal can be effectively prevented from sliding towards the tail of the **electric bicycle** and dropping off from the landing state.

CN - 24.10.2012

**2. 111063120 ELECTRIC BICYCLE CONTROL METHOD, ELECTRIC BICYCLE AND ELECTRIC BICYCLE SYSTEM**Int.Class [G07F 17/00](#) ? Appl.No 201911203200.6 Applicant BEIJING MOBIKE TECHNOLOGY CO., LTD. Inventor JIN HONGDU

The invention discloses an **electric bicycle** control method, an **electric bicycle** and an **electric bicycle** system. The method comprises the steps that a server responds to an unlocking request sent by a user terminal for the **electric bicycle** and sends an unlocking instruction to the **electric bicycle**; the **electric bicycle** responds to the unlocking instruction, detects whether the **electric bicycle** meets a first unlocking condition or not, and controls a lock of the **electric bicycle** to be unlocked under the condition that the **electric bicycle** meets the first unlocking condition; the server sends a locking instruction to the **electric bicycle** in response to a locking request sent by the user terminal for the **electric bicycle**; the **electric bicycle** responds to the locking instruction, detects whether the **electric bicycle** meets a first locking condition or not, and controls the **bicycle** lock to be locked under the condition that the **electric bicycle** meets the first locking condition. The first locking condition comprises that a parameter value representing the current running speed of the **electric bicycle** is smaller than or equal to a set safety threshold value.

CN - 24.04.2020

**3. 107160957 ELECTRIC BICYCLE WITH MICRO-ELECTRIC PUMP**Int.Class [B60C 23/10](#) ? Appl.No 102017000222108 Applicant WEI HONGYAN Inventor WEI HONGYAN

The invention belongs to an **electric bicycle** with a micro-**electric** pump, relates to the field of **electric** bicycles, in particular to an **electric bicycle**, and aims to provide an **electric bicycle** with the micro-**electric** pump. A user conveniently goes to work by riding the **electric bicycle**, cargoes are conveniently conveyed by the **electric bicycle**, the user frequently needs to manually push the **electric bicycle** to walk an inflatable maintenance point if gas in tires of the **electric bicycle** leaks, and labor and time are wasted. The **electric bicycle** is characterized in that the **electric bicycle** comprises a micro-**electric** pump fixing frame, a control panel, a pump pipe, a valve core placing box, a valve core fixing frame, a pressure meter fixing box, an **electric** micro-**electric** pump and a storage battery, the micro-**electric** pump fixing frame and the control panel are fixed on a seat tube of the **electric bicycle**, the pump pipe, the valve core placing box and the valve core fixing frame are fixed on an upper tube of the **electric bicycle**, the pressure meter fixing box is fixed on a front tube of the **electric bicycle**, the **electric** micro-**electric** pump is arranged in the micro-**electric** pump fixing frame, the storage battery is fixed on a carrying frame below a seat of the **electric bicycle** and

CN - 15.09.2017

NO
IMAGE
AVAILABLE

ANALYSIS

Close

Filters Charts Timeseries

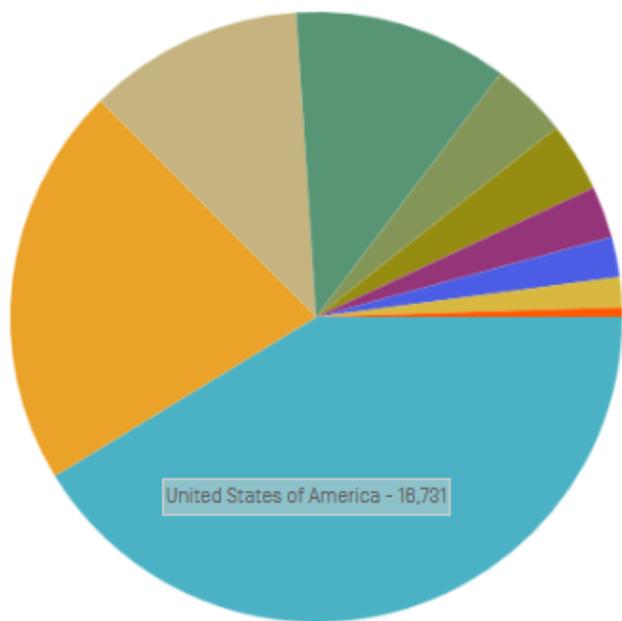
Offices		Applicants		Inventors		IPC code		CPC code		Publication Dates		Kind code	
China	215,142	HITACHI LTD	6,259	THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED	960	B66B	44,521	y02t 10/70	4,655	1972	751	A	194,798
United States of America	67,571	MITSUBISHI ELECTRIC CO	5,407	WANG WEI	791	B60R	39,552	a61p 35/00	3,184	1973	697	U	143,287
Japan	65,635	SAMSUNG ELECTRONICS CO LTD	3,993	LI JUN	576	B62D	23,032	c07k 14/7051	3,145	1974	757	B2	34,904
Republic of Korea	25,481	HYUNDAI MOTOR COMPANY	3,400	ZHANG WEI	539	B60K	15,055	a61k 35/17	3,118	1975	747	A1	32,321
PCT	21,229	TOYOTA MOTOR CO	2,859	LI WEI	523	B60N	14,045	y02e 60/10	3,011	1976	762	B1	30,507
European Patent Office	20,250	NISSAN MOTOR CO LTD	2,710	WANG LEI	522	B61D	13,796	c07k 2319/03	2,862	1977	882	B	18,739
Germany	18,357	OTIS ELEVATOR COMPANY	2,536	ZHANG LEI	505	B60J	13,305	b66b	2,794	1978	1,028	C	5,409
Canada	16,691	TOSHIBA ELEVATOR CO LTD	2,444	LIU WEI	472	B60L	11,215	c07k 2317/622	2,615	1979	955	C2	3,517
United Kingdom	15,399	HONDA MOTOR CO LTD	2,439	LIU YANG	426	B60S	10,979	y02t 10/7072	2,491	1980	1,198	C1	3,459
France	9,238	VOLVO CAR CO	2,240	WANG JIAN	411	G08G	9,796	y02t 10/72	2,128	1981	1,212	B4	2,410
Russian Federation	5,611	INVENTIO AG	2,204	WANG JUN	408	E04H	9,158	c12n 5/0636	2,067	1982	1,112	A4	2,283
Australia	4,805	KONE CO	1,926	LI BIN	368	B60P	8,852	c07k 2319/33	1,927	1983	1,145	A3	1,610
India	3,852	HITACHI CAR ENG CO LTD	1,876	LI JIAN	359	B60Q	8,736	c12n 2510/00	1,838	1984	1,077	U1	1,205
Russian Federation(USSR data)	1,873	PEUGEOT CITROEN AUTOMOBILES SA	1,846	LIU JUN	355	B65G	7,788	a61k	1,656	1985	1,083	A2	1,135
Mexico	1,533	HITACHI BUILDING SYSTEMS CO LTD	1,503	WANG YONG	343	B60H	7,529	b66b 11/0226	1,636	1986	1,250	A5	965
New Zealand	1,499	OTIS ELEVATOR CO	1,593	CHEN WEI	342	B60T	6,915	y02t 10/62	1,556	1987	1,250	T3	679
Spain	1,057	DENSO CO	1,522	ZHANG JIAN	340	A61K	6,902	y02t 10/12	1,554	1988	1,284	B3	448
Singapore	907	HITACHI BUILDING SYSTEMS CO LTD	1,503	LI YANG	331	G06F	6,851	c07k 2319/02	1,518	1989	1,467	B6	423
Italy	748	HITACHI BUILDING SYSTEMS CO LTD	1,503	ZHANG JUN	331	B61F	6,087	c07k 16/2803	1,482	1990	1,669	E	390
Malaysia	710	HITACHI BUILDING SYSTEMS CO LTD	1,503	ZHANG JUN	331	B62K	5,991	a61k 2039/5156	1,446	1991	1,941	T2	200
		HITACHI BUILDING SYSTEMS CO LTD	1,503	ZHANG YU	330	G06Q	5,876	c07k 14/70521	1,434	1992	1,939	Y1	173

ANALYSIS

Close

Filters Charts Timeseries

Charts Countries Offices Applicants Inventors IPC code Publication Dates Filing Dates



- United States of America
- China
- PCT
- European Patent Office
- Japan
- United Kingdom
- Canada
- Australia
- Republic of Korea
- Germany

SETTINGS

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Query Office **Result** Download Interface Others

Result List Language

Query Language

Analysis tab open

Analysis type

Table

Analysis graph

pie

No of Items/Group

50

Group by *

Countries

Offices

Applicants

Inventors

IPC code

CPC code

Publication Dates

Filing Dates

Kind code

ANALYSIS

Filters Charts

Countries		Applicants	Inventors	IPC code		Publication Dates	
China	11,218	SHIMANO INC 319	THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED 74	B62M	5,792	2012	418
Japan	1,650	SANYO ELECTRIC CO LTD 276	FUKUDA HITOSHI 64	B62J	4,022	2013	314
United States of America	824	MATSUSHITA ELECTRIC IND CO LTD 239	SUN BIN 47	B62K	3,135	2014	563
European Patent Office	618	YAMAHA MOTOR CO LTD 198	WANG QINGHUA 45	B60L	1,446	2015	1,044
PCT	609	MANDO CO 113	KAWAKAMI MASAFUMI 44	B62H	1,323	2016	1,055
Republic of Korea	574	HONDA MOTOR CO LTD 105	ZHANG LEI 42	H02J	1,048	2017	1,728
United Kingdom	213	ROBERT BOSCH GMBH 98	GAO FENG 41	H02K	790	2018	2,437
Germany	192	PANASONIC CO 72	MATSUMOTO TOSHIHIRO 41	H01M	741	2019	2,227
India	87	BOSCH GMBH ROBERT 68	KAZUHARA HISAHIRO 40	B62L	415	2020	2,618
Canada	65	SUZUKI MOTOR CO 68	TAN JIANXIN 40	E04H	407	2021	438

X APPLICANT_NAME=SHIMANO INC

X PUBLICATION_DATE=2020

Exercise

Build a query to retrieve documents about electric (use the English Abstract field):

1. Create a pie chart showing the top 15:
 - a. Kind codes
 - b. Filing dates
 - c. IPC/CPC
 - d. applicants
 - e. collections + national phase entries
2. Indicate the top 10 inventors for this query

Exercise

Build a query to retrieve documents about electric (use the English Abstract):

1. Create a pie chart showing the top 15:
 - a. Kind codes
 - b. Filing dates
 - c. IPC/CPC
 - d. applicants
 - e. collections + national phase entries
3. Indicate the top 10 inventors for this query

1. [1020110036309](#) ELECTRIC CAR SYSTEM INCLUDING A DEPENDENT ELECTRIC CAR THROUGH A CONNECTING MEMBER

KR - 07.04.2011

Int.Class [B60L 11/18](#) Appl.No 1020090093896 Applicant KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY Inventor MARY KATHRYN THOMPSON

PURPOSE: An electric car system is provided to optimize the size of an electric car by modularizing a dependent electric car through a connection member. CONSTITUTION: An electric car system includes an independent electric car or a dependent electric car. The dependent electric car is connected to the independent car. A connection member connects the independent electric car to the dependent electric car. The dependent electric car is modularized while the independent electric car is detachable. COPYRIGHT KIPO 2011

2. [109624768](#) ELECTRIC CAR CHARGING METHOD

CN - 16.04.2019

Int.Class [B60L 53/60](#) Appl.No 201811634291.4 Applicant YINLONG ENERGY CO., LTD. Inventor LAI XINHUA

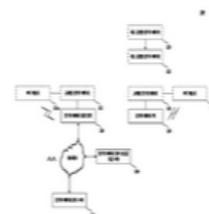
The invention relates to an electric car charging method. The method comprises the following steps that a power receiving electric car sends out charging request information; 2. the charging request information is received, and the information is matched with a corresponding power supply electric car; the power supply electric car and the power receiving electric car are made to get closer; 3. the power supply electric car charges the power receiving electric car. The nearby electric car can be selected as the power supply electric car and charges the power receiving electric car, charging of the electric car is not affected by little charging station amount, the charging flexibility of the electric car is improved, and popularization of the electric car is improved.

3. [WO/2017/217822](#) SYSTEM AND METHOD FOR REPLACING ELECTRIC CAR BATTERY

WO - 21.12.2017

Int.Class [B60L 11/18](#) Appl.No PCT/KR2017/006353 Applicant LEE, Nam Jae Inventor LEE, Nam Jae

Disclosed are a system and a method for replacing an electric car battery. The system comprises: an electric car battery charging device provided in an electric car battery charging station so as to charge a replaceable electric car battery, to read battery information regarding the replaceable electric car battery from a near-field communication (NFC) memory provided in the replaceable electric car battery, and to transmit the battery information; an electric car battery rack provided in an electric car such that the replaceable electric car battery charged by the electric car battery charging device is mounted thereon, the electric car battery rack being configured to automatically store vehicle information regarding the electric car in the NFC memory; and an electric car battery management server for receiving the battery information regarding the replaceable electric car battery from the electric car battery charging device and generating management information regarding the replaceable electric car battery using the received battery information. The system and method for replacing an electric car battery, described above, are advantageous in that, by using the replaceable electric car battery, the electric car can be easily operated without consuming a separate charging time but simply through battery replacement. There is another advantage in that the replaceable electric car battery and the electric car equipped with the same can be managed by the replaceable electric car battery management server using the NFC memory, and the lifespan and the use history of the replaceable electric car battery can be managed such that the battery can be replaced when the lifespan has expired, and be disposed of simply.



110. Electric car battery charging device
 121. Electric car battery rack
 131. Replaceable electric car battery
 141. NFC memory

Exercise

Build a query to retrieve documents about electric (use the English Abstract):

1. Create a pie chart showing the top 15:

a. Kind codes

b. Filing dates

c. IPC/CPC

d. applicants

e. collections + national phase entries

2. Indicate the top 10 inventors for this query

SETTINGS

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Query Office **Result** Download Interface Others

Result List Language
Query Language

Analysis tab open

Analysis type
Table

Analysis graph
pie

No of Items/Group
15

Group by *

- Countries
- Offices
- Applicants
- Inventors
- IPC code
- CPC code
- Publication Dates
- Filing Dates
- Kind code

EN_AB:"electric car"



6,366 results Offices all Languages all Stemming true Single Family Member false Include NPL false

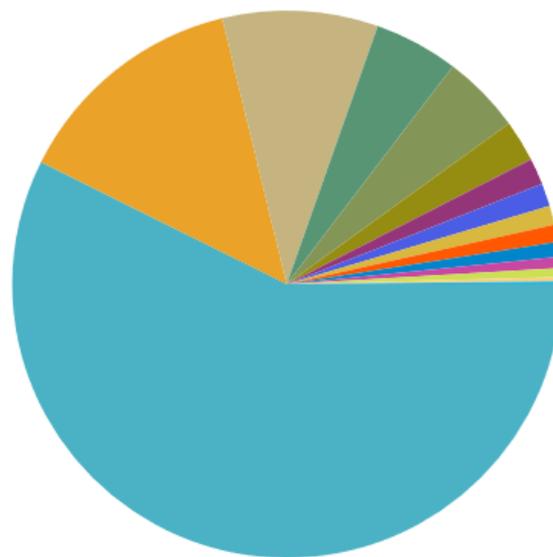


ANALYSIS

Close

Filters Charts Timeseries

Offices Applicants IPC code CPC code Filing Dates Kind code



- China
- Japan
- Republic of Korea
- United States of America
- PCT
- European Patent Office
- United Kingdom
- Germany
- Russian Federation
- India

Exercise

Build a query to retrieve documents about electric car (use the English Abstract):

1. Create a pie chart showing the top 15:

- a. Kind codes
- b. Filing dates
- c. IPC/CPC
- d. applicants
- e. collections + national phase entries

2. Indicate the top 10 inventors for this query

SETTINGS

Reset

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Query Office **Result** Download Interface Others

Result List Language
Query Language

Analysis tab open

Analysis type
Table

Analysis graph
pie

No of Items/Group
15

Group by *

- Countries
- Offices
- Applicants
- Inventors
- IPC code
- CPC code
- Publication Dates
- Filing Dates
- Kind code

ANALYSIS

Close

Filters Charts Timeseries

Offices		Applicants		Inventors		IPC code		CPC code		Filing Dates		Kind code	
China	3,761	HITACHI LTD	119	JIANG YANGCHUAN	39	B60L	2,325	y02t 10/70	1,098	2007	83	A	3,461
Japan	908	mitsubishi electric co	96	LIU ZEFA	33	H02J	950	y02t 10/7072	586	2008	112	B	802
Republic of Korea	601	HYUNDAI MOTOR COMPANY	80	HOU JINGREN	23	B60K	644	y02t 10/72	440	2009	144	U	746
United States of America	325	STATE GRID CO OF CHINA	67	CAIWULJI	21	H01M	576	y02e 60/10	367	2010	185	B2	441
PCT	306	TOSHIBA CO	56	THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED	19	H02K	302	y02t 90/12	339	2011	219	B1	437
European Patent Office	161	HONDA MOTOR CO LTD	43	WANG XINGHUI	17	B60R	241	y02t 10/64	310	2012	244	A1	255
United Kingdom	102	TOYOTA MOTOR CO	43	WANG WEI	16	G06Q	230	y02t 90/16	291	2013	261	C	72
Germany	89	LIU ZEFA	34	BAI YALUN	13	H02P	221	y02t 90/14	280	2014	461	C1	37
Russian Federation	74	NISSAN MOTOR CO LTD	34	LI WEI	13	B62D	200	y02t	198	2015	461	C2	25
India	67	SIEMENS AG	33	OGATA MAKOTO	13	G01R	198	b60l	190	2016	711	A4	23
Canada	57	BYD COMPANY LIMITED	31	KITANAKA, HIDETOSHI	12	B60M	176	b60y 2200/91	177	2017	845	A5	13
Australia	43	EAST JAPAN RAILWAY CO	31	PENG YONG	12	F16H	156	y02t 90/167	175	2018	650	U1	11
France	35	SANWA TEKKI CO	31	WANG JING	12	B60H	155	b60l 2200/26	130	2019	381	A3	8
Bulgaria	16	DAIFUKU CO LTD	27	CHEN HUI	11	H02M	142	b60l 53/31	127	2020	128	Y1	6
Mexico	11	KIA MOTORS CO	25	CHO, DONG HO	11	B60S	137	y04s 30/12	122	2021	5	B4	5



FP:(electric bicycle)

16,381 results Offices all Languages all Stemming true Single Family Member false Include NPL false

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

1/164

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REFINE OPTIONS

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Search

Offices

All

Languages

All

 Stemming Single Family Member Include NPL

1. 10

Int.Class

The invention relates to an electric bicycle with a micro-electric pump, which is arranged in a locking mechanism, the external locking mechanism, the electric bicycle

2. 11

Int.Class

The invention relates to an electric bicycle with a micro-electric pump, which is arranged in a locking mechanism, the external locking mechanism, the electric bicycle

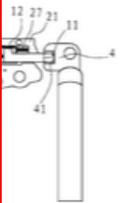
response to a locking request sent by the user terminal for the electric bicycle; the electric bicycle responds to the locking instruction, detects whether the electric bicycle meets a first locking condition or not, and controls the bicycle lock to be locked under the condition that the electric bicycle meets the first locking condition. The first locking condition comprises that a parameter value representing the current running speed of the electric bicycle is smaller than or equal to a set safety threshold value.

3. 107160957 ELECTRIC BICYCLE WITH MICRO-ELECTRIC PUMP

Int.Class [B60C 23/10](#) ⓘ Appl.No 102017000222108 Applicant WEI HONGYAN Inventor WEI HONGYAN

The invention belongs to an electric bicycle with a micro-electric pump, relates to the field of electric bicycles, in particular to an electric bicycle, and aims to provide an electric bicycle with the micro-electric pump. A user conveniently goes to work by riding the electric bicycle, cargoes are conveniently conveyed by the electric bicycle, the user frequently needs to manually push the electric bicycle to walk an inflatable maintenance point if gas in tires of the electric bicycle leaks, and labor and time are wasted. The electric bicycle is characterized in that the electric bicycle comprises a micro-electric pump fixing frame, a control panel, a pump pipe, a valve core placing box, a valve core fixing frame, a pressure meter fixing box, an electric micro-electric pump and a storage battery, the micro-electric pump fixing frame and the control panel are fixed on a seat tube of the electric bicycle, the pump pipe, the valve core placing box and the valve core fixing frame are fixed on an upper tube of the electric bicycle, the pressure meter fixing box is fixed on a front tube of the electric bicycle, the electric micro-electric pump is arranged in the micro-electric pump fixing frame, the storage battery is fixed on a carrying frame below a seat of the electric bicycle and

24.10.2012



24.04.2020

S2100

S2200

S2300

S2400

S2500

S2600

CN - 15.09.2017

NO
IMAGE
AVAILABLE

REFINE OPTIONS

Close

Search

Offices

All

- All
- PCT
- Africa
 - African Regional Intellectual Property Organization (ARIPO)
 - Kenya
 - South Africa
- ARABPAT
 - Egypt
 - Jordan
 - Morocco
 - Saudi Arabia
 - Tunisia
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 - Canada
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 - Chile
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 - European Patent Office
 - Finland
 - France
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 - Germany
 - Germany(DDR data)
 - Greece
 - India
 - Israel
 - Italy
 - Japan
 - Kazakhstan
 - Latvia
 - Lithuania
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 - Slovakia
 - Spain
 - Sweden
 - United Arab Emirates
 - United Kingdom
- Asean
 - Brunei Darussalam
 - Cambodia
 - Indonesia
 - Lao People's Democratic Republic
 - Malaysia
 - Philippines
 - Singapore
 - Thailand
 - Viet Nam

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Offices

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Languages

All

Stemming

Single Family Member

Include NPL

Languages

All

All

Arabic

Bulgarian

Chinese

Czech

Danish

Dutch

English

Estonian

Finnish

French

Georgian

German

Greek

Hebrew

Indonesian

Italian

Japanese

Kazakh

Khmer

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Patent families

REFINE OPTIONS

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Offices

All



Languages

All



Stemming

Single Family Member

Include NPL

FP:(electric bicycle) AND PA:shimano



396 results

Offices all

Languages all

Stemming true

Single Family Member false

Include NPL false



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

< 1/4 >

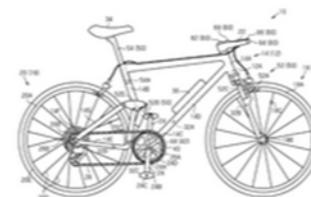
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1. [20180037294](#) BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE

US - 08.02.2018

Int.Class [B62K 25/04](#) Appl.No 15641744 Applicant [Shimano Inc.](#) Inventor Tadaharu KUROTOBI

A bicycle control device is provided that allows the rider to ride a bicycle comfortably. A bicycle electric assist unit is provided that includes the bicycle control device. The bicycle control device includes an electronic controller that controls an operational state of a bicycle component based on at least an operational state of the bicycle electric assist unit. The bicycle component includes at least one of an electric suspension and an electric adjustable seatpost.



2. [20190009780](#) BICYCLE COMPONENT CONTROL SYSTEM

US - 10.01.2019

Int.Class [B60W 30/182](#) Appl.No 15644375 Applicant [Shimano Inc.](#) Inventor Atsushi Komatsu

A bicycle component control system is basically provided with an electronic controller. The electronic controller is configured to output a control signal to operate both of a first bicycle electric component and a second bicycle electric component in accordance with a correspondence table between an operating state of the first bicycle electric component and an operating state of the second bicycle electric component. The first bicycle electric component includes one of a height adjustable seatpost and a suspension. The second bicycle electric component includes one of a gear transmission and the other of the height adjustable seatpost and the suspension.



FP:(electric bicycle) AND PA:shimano



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



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

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Machine translation ▼

1. [20180037294](#) BICYCLE CONTROL DEVICE AND BICYCLE ELECTRIC ASSIST UNIT INCLUDING BICYCLE CONTROL DEVICE

US - 08.02.2018

Int.Class [B62K 25/04](#) Appl.No 15841744 Applicant [Shimano](#) Inc. Inventor Tadaharu KUROTOBI

A bicycle control device is provided that allows the rider to ride a bicycle comfortably. A bicycle electric assist unit is provided that includes the bicycle control device. The bicycle control device includes an electronic controller that controls an operational state of a bicycle component based on at least an operational state of the bicycle electric assist unit. The bicycle component includes at least one of an electric suspension and an electric adjustable seatpost.

2. [20190009780](#) BICYCLE COMPONENT CONTROL SYSTEM

US - 10.01.2019

Int.Class [B60W 30/182](#) Appl.No 15844375 Applicant [Shimano](#) Inc. Inventor Atsushi Komatsu

A bicycle component control system is basically provided with an electronic controller. The electronic controller is configured to output a control signal to operate both of a first bicycle electric component and a second bicycle electric component in accordance with a correspondence table between an operating state of the first bicycle electric component and an operating state of the second bicycle electric component. The first bicycle electric component includes one of a height adjustable seatpost and a suspension. The second bicycle electric component includes one of a gear transmission and the other of the height adjustable seatpost and the suspension.

3. [105936313](#) BICYCLE ELECTRIC COMPONENT SETTING SYSTEM

CN - 14.09.2018

Int.Class [B62J 99/00](#) Appl.No 102018000124728 Applicant [SHIMANO](#) KK Inventor HASHIMOTO AKINORI

A bicycle electric component setting system is basically provided a master unit and a plurality of slave bicycle electric components. The master unit is configured to be mounted to a bicycle. The master unit is configured to receive update information from an external terminal device. The slave bicycle electric components are configured to be mounted to the bicycle. The slave bicycle electric components are configured to receive the update information from the master unit to change a setting of at least one of the slave bicycle electric components.

4. [20180115860](#) BICYCLE COMMUNICATION DEVICE AND PAIRING METHOD

US - 28.04.2018

Int.Class [H04B 7/00](#) Appl.No 15703375 Applicant [Shimano](#) Inc. Inventor Takaya Masuda

Non-Patent Literature (NPL)

REFINE OPTIONS

Close

Search

Offices

All



Languages

All



Stemming

Single Family Member

Include NPL

FP:(covid19)

71 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL false



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

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Machine translation ▼

1. [202041026402](#) [COVID19](#) PROTECTED ROOM: DISINFECTING ROOM AIR USING MACHINE LEARNING SYSTEM.

IN - 17.07.2020

Int.Class [G06N 20/00](#) [?](#) Appl.No 202041026402 Applicant Mr. MANOHAR MADGI [ASSOCIATE PROFESSOR] Inventor Mr. MANOHAR MADGI [ASSOCIATE PROFESSOR]

Patent Title: [Covid19](#) Protected Room: DISINFECTING ROOM AIR USING MACHINE LEARNING SYSTEM. ABSTRACTMy Invention "[Covid19](#) Protected Room" is a system for disinfecting a room having first, second and third air inlets and an air intake control using machine learning assembly to prefer control air flow into the enclosure through the first, second and third air inlets. The Air flows between the exterior and interior of the enclosure through the second, third air inlet passes through a [Covid19](#) killer filter assembly. The invention also includes an air dispersion outlet having a fan that draws air into the invention through the first, second and third air inlets and forces air out of the invention. The chemical dispersion assembly generates a disinfecting clean fog relative to the fan. The controller system [Machine learning Programming] controls the air intake control assembly to disperse the disinfecting clean fog into the room, and subsequently draw the disinfecting clean fog from the room and through the [Covid19](#) killer filter assembly. Also UVC radiation onto complete room, disinfection controlled by Machine learning programming. The invention comprises a disinfection kit comprising a housing comprising a like a blower or fan for blowing air, a transparent tubular member for receiving air blown by the blower or fan and for directing it in a fixed direction. The invented kit/ devices is shown for providing substantially simultaneous disinfection of [covid19](#), bacteria or other pathogens in air passing through the system using ultraviolet radiation from an ultraviolet light source and that is also capable of substantially simultaneous and efficient disinfecting room air and surfaces outside the device using the same ultraviolet light source.

2. [111944064](#) COVID-19 SUBUNIT VACCINE AND PREPARATION METHOD THEREOF

CN - 17.11.2020

Int.Class [C07K 19/00](#) [?](#) Appl.No 202010847271.6 Applicant INSTITUTE OF MICROBIOLOGY CHINESE ACADEMY OF SCIENCES Inventor YANG LIMIN

The invention discloses a [COVID19](#) subunit vaccine and a preparation method thereof, namely a novel coronavirus pneumonia recombinant protein subunit vaccine and a preparation method thereof. The protein protected by the invention is a protein composed of an amino acid residue sequence shown as a sequence 1 or a sequence 3. The invention further provides the [COVID19](#) subunit vaccine, wherein the active ingredient of the [COVID19](#) subunit vaccine is a trimer and/or a dimer and/or a monomer of the protein. For the subunit vaccine, the larger the molecular weight of the recombinant protein is, the more complex the conformation is, and the stronger the immunogenicity is. The [COVID19](#) subunit vaccine is of a trimer structure of fusion protein, can simulate a natural virus protein structure to the maximum extent, and is higher in immunogenicity and lower in required immune dose compared with a monomer or a double-body vaccine, so that toxic and side effects are lower. The [COVID19](#) subunit vaccine has important value for prevention and control of novel human coronavirus pneumonia.

3. [202011016345](#) METHOD FOR TREATMENT OF SARS-COV2 ([COVID19](#)) INFECTION USING ACE2 INHIBITOR

IN - 19.06.2020

Int.Class [A61K/](#) [?](#) Appl.No 202011016345 Applicant Varma; Amit Inventor Varma; Amit

A method for treating SARS-CoV2 ([COVID19](#)) in a subject comprises administering to the subject a therapeutically effective amount of an ACE2 inhibitor [S,S]-2-[1-Carboxy-2-[3-(3,5-dichlorobenzyl)-3H-imidazol-4-yl]-ethylamino]-4-methylpentanoic acid. A therapeutically effective amount of an ACE2 inhibitor is administered adjunctively with at least one additional agent such as antiviral agents and glucocorticoids for managing acute SARS CoV2 ([COVID19](#)) infection.

FP:(covid19)



84 results

Offices all

Languages en

Stemming true

Single Family Member false

Include NPL true



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

< 1/9 ▾ >

Machine translation ▾

1. [202041026402](#) [COVID19](#) PROTECTED ROOM: DISINFECTING ROOM AIR USING MACHINE LEARNING SYSTEM.

IN - 17.07.2020

Int.Class [G06N 20/00](#) [?](#) Appl.No 202041026402 Applicant Mr. MANOHAR MADGI [ASSOCIATE PROFESSOR] Inventor Mr. MANOHAR MADGI [ASSOCIATE PROFESSOR]

Patent Title: [Covid19](#) Protected Room: DISINFECTING ROOM AIR USING MACHINE LEARNING SYSTEM. ABSTRACT My Invention "[Covid19](#) Protected Room" is a system for disinfecting a room having first, second and third air inlets and an air intake control using machine learning assembly to prefer control air flow into the enclosure through the first, second and third air inlets. The Air flows between the exterior and interior of the enclosure through the second, third air inlet passes through a [Covid19](#) killer filter assembly. The invention also includes an air dispersion outlet having a fan that draws air into the invention through the first, second and third air inlets and forces air out of the invention. The chemical dispersion assembly generates a disinfecting clean fog relative to the fan. The controller system [Machine learning Programming] controls the air intake control assembly to disperse the disinfecting clean fog into the room, and subsequently draw the disinfecting clean fog from the room and through the [Covid19](#) killer filter assembly. Also UVC radiation onto complete room, disinfection controlled by Machine learning programming. The invention comprises a disinfection kit comprising a housing comprising a like a blower or fan for blowing air, a transparent tubular member for receiving air blown by the blower or fan and for directing it in a fixed direction. The invented kit/ devices is shown for providing substantially simultaneous disinfection of [covid19](#), bacteria or other pathogens in air passing through the system using ultraviolet radiation from an ultraviolet light source and that is also capable of substantially simultaneous and efficient disinfecting room air and surfaces outside the device using the same ultraviolet light source.

2. [111944064](#) COVID-19 SUBUNIT VACCINE AND PREPARATION METHOD THEREOF

CN - 17.11.2020

Int.Class [C07K 19/00](#) [?](#) Appl.No 202010847271.8 Applicant INSTITUTE OF MICROBIOLOGY CHINESE ACADEMY OF SCIENCES Inventor YANG LIMIN

The invention discloses a [COVID19](#) subunit vaccine and a preparation method thereof, namely a novel coronavirus pneumonia recombinant protein subunit vaccine and a preparation method thereof. The protein protected by the invention is a protein composed of an amino acid residue sequence shown as a sequence 1 or a sequence 3. The invention further provides the [COVID19](#) subunit vaccine, wherein the active ingredient of the [COVID19](#) subunit vaccine is a trimer and/or a dimer and/or a monomer of the protein. For the subunit vaccine, the larger the molecular weight of the recombinant protein is, the more complex the conformation is, and the stronger the immunogenicity is. The [COVID19](#) subunit vaccine is of a trimer structure of fusion protein, can simulate a natural virus protein structure to the maximum extent, and is higher in immunogenicity and lower in required immune dose compared with a monomer or a double-body vaccine, so that toxic and side effects are lower. The [COVID19](#) subunit vaccine has important value for prevention and control of novel human coronavirus pneumonia.

3. [202011016345](#) METHOD FOR TREATMENT OF SARS-COV2 ([COVID19](#)) INFECTION USING ACE2 INHIBITOR

IN - 19.06.2020

Int.Class [A61K](#) [?](#) Appl.No 202011016345 Applicant Varma; Amit Inventor Varma; Amit

A method for treating SARS-CoV2 ([COVID19](#)) in a subject comprises administering to the subject a therapeutically effective amount of an ACE2 inhibitor (S,S)-2-[1-Carboxy-2-[3-(3,5-dichlorobenzyl)-3H-imidazol-4-yl]-ethylamino]-4-methylpentanoic acid. A therapeutically effective amount of an ACE2 inhibitor is administered adjunctively with at least one additional agent such as antiviral agents and glucocorticoids for managing acute SARS CoV2 ([COVID19](#)) infection.

4. [10.1038/S41541-021-00303-W](#) HUMAN ENDOGENOUS RETROVIRUS-ENVELOPED BACULOVIRAL DNA VACCINES AGAINST MERS-COV AND SARS-COV2

NPL - 01.03.2021

Int.Class [A61K 39/215](#) [?](#) Publisher nature Journal npj Vaccines

4. NPL323522233 - HUMAN ENDOGENOUS RETROVIRUS-ENVELOPED BACULOVIRAL DNA VACCINES AGAINST MERS-COV AND SARS-COV2



NPL Biblio. Data Description

PermaLink

Publisher

nature

Journal

npj Vaccines

Publication Number

10.1038/s41541-021-00303-w

Publication Date

01.03.2021

IPC

A61K 39/215 C07K 14/005 A61K 39/12
C12N 15/86 C12N 7/00

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Min-Hee Kang
Jin-Hoi Kim
Ha Youn Shin
Yu-Kyoung Oh
Young Bong Kim

Title

[EN] Human endogenous retrovirus-enveloped baculoviral DNA vaccines against MERS-CoV and SARS-CoV2

Abstract

[EN]

Abstract Here we report a recombinant baculoviral vector-based DNA vaccine system against Middle East respiratory syndrome coronavirus (MERS-CoV) and the severe acute respiratory syndrome coronavirus-2 (SARS-CoV2). A non-replicating recombinant baculovirus expressing the human endogenous retrovirus envelope gene (AChERV) was constructed as a DNA vaccine vector for gene delivery into human cells. For MERS-CoV vaccine construction, DNA encoding MERS-CoV S-full, S1 subunit, or receptor-binding domain (RBD) was inserted into the genome of AChERV. For COVID19 vaccine construction, DNA encoding SARS-CoV2 S-full or S1 or a MERS-CoV NTD domain-fused SARS-CoV2 RBD was inserted into the genome of AChERV. AChERV-DNA vaccines induce high humoral and cell-mediated immunity in animal models. In challenge tests, twice immunized AChERV-MERS-S1 and AChERV-COVID19-S showed complete protection against MERS-CoV and SARS-CoV2, respectively. Unlike AChERV-MERS vaccines, AChERV-COVID19-S provided the greatest protection against SARS-CoV2 challenge. These results support the feasibility of AChERV-MERS or AChERV-COVID19 vaccines in preventing pandemic spreads of viral infections.

Link

<https://www.nature.com/articles/s41541-021-00303-w>

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Exercise

Search in the English abstract. Blockchain with an application date = 2018

1. First search without grouping by families and compare the difference of results when grouped by families
2. Include NPL (still grouped by families)

Exercise

Search in the English abstract. Blockchain with an application date = 2018

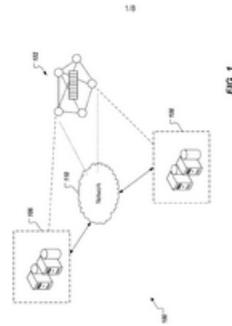
- 1. First search without grouping by families and compare the difference of results when grouped by families**
2. Include NPL (still grouped by families)

1. **2018347193** CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS

AU - 18.04.2019

Int.Class [G06F 21/60](#) [?](#) Appl.No 2018347193 Applicant Advanced New Technologies Co., Ltd. Inventor Qiu, Honglin

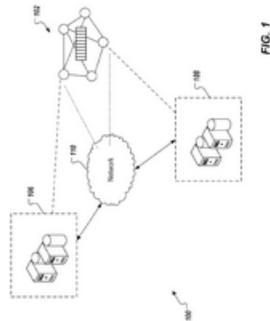
Implementations of the present disclosure include identifying, by a relay that is communicatively linked with a first **blockchain** instance and a second **blockchain** instance in a unified **blockchain** network, a **blockchain** domain name of a first **blockchain** instance; identifying a **blockchain** domain name of the second **blockchain** instance; receiving, from a node of the first **blockchain** instance, an access request for accessing the second **blockchain** instance, wherein the access request including the **blockchain** domain name of the second **blockchain** instance; identifying a chain identifier of the second **blockchain** instance based on the **blockchain** domain name of the second **blockchain** instance, wherein the chain identifier of the second **blockchain** instance indicates a **blockchain** network configuration of the second **blockchain** instance; and providing access to the second **blockchain** instance for the first **blockchain** instance based on the **blockchain** network configuration indicated by the chain identifier of the second **blockchain** instance.

2. **3549325** CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS

EP - 09.10.2019

Int.Class [H04L 9/32](#) [?](#) Appl.No 18865360 Applicant ADVANCED NEW TECHNOLOGIES CO LTD Inventor QIU HONGLIN

A computer-implemented method includes identifying, by a relay that is communicatively linked with a first **blockchain** instance and a second **blockchain** instance in a unified **blockchain** network, a **blockchain** domain name of a first **blockchain** instance; identifying a **blockchain** domain name of the second **blockchain** instance; receiving, from a node of the first **blockchain** instance, an access request for accessing the second **blockchain** instance, wherein the access request including the **blockchain** domain name of the second **blockchain** instance; identifying a chain identifier of the second **blockchain** instance based on the **blockchain** domain name of the second **blockchain** instance, wherein the chain identifier of the second **blockchain** instance indicates a **blockchain** network configuration of the second **blockchain** instance; and providing access to the second **blockchain** instance for the first **blockchain** instance based on the **blockchain** network configuration indicated by the chain identifier of the second **blockchain** instance.

3. **110268677** CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS

CN - 20.09.2019

4,431 results Offices all Languages all Stemming true **Single Family Member true** Include NPL false

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

< 1/45 >

Download ▼ Machine translation ▼

1. WO/2019/072273 CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS

Int.Class H04L 29/06 ⓘ Appl.No PCT/CN2018/115926 Applicant ADVANCED NEW TECHNOLOGIES CO., LTD. Inventor QIU, Honglin

A computer-implemented method includes identifying, by a relay that is communicatively linked with a first blockchain instance and a second blockchain instance in a unified blockchain network, a blockchain domain name of a first blockchain instance; identifying a blockchain domain name of the second blockchain instance; receiving, from a node of the first blockchain instance, an access request for accessing the second blockchain instance, wherein the access request including the blockchain domain name of the second blockchain instance; identifying a chain identifier of the second blockchain instance based on the blockchain domain name of the second blockchain instance, wherein the chain identifier of the second blockchain instance indicates a blockchain network configuration of the second blockchain instance; and providing access to the second blockchain instance for the first blockchain instance based on the blockchain network configuration indicated by the chain identifier of the second blockchain instance.

WO - 18.04.2019



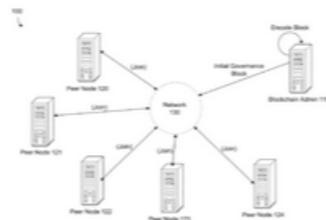
FIG. 5

2. 20200007315 ON-CHAIN GOVERNANCE OF BLOCKCHAIN

Int.Class H04L 9/06 ⓘ Appl.No 16025578 Applicant International Business Machines Corporation Inventor Meeta Vouk

An example operation may include one or more of receiving a request for blockchain information from a user device, acquiring blockchain data from a plurality of blockchains which are actively operating and available for joining, determining an amount of trust for each blockchain among the plurality of blockchains based on acquired blockchain data of the respective blockchain, and outputting a list identifying the plurality of blockchains where each blockchain on the list comprises a trust indicator indicating a determined amount of trust for the respective blockchain.

US - 02.01.2020

**3. 10202005443V CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS**

Int.Class Appl.No 10202005443V Applicant ALIBABA GROUP HOLDING LIMITED Inventor QIU, Honglin

39 CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS ABSTRACT Implementations of the present disclosure include identifying, by a relay that is communicatively linked with a first blockchain instance and a second blockchain instance in a unified blockchain network, a blockchain domain name of a first blockchain instance; identifying a blockchain domain name of the second blockchain instance; receiving, from a node of the first blockchain instance, an access request for accessing the second blockchain instance, wherein the access request including the blockchain domain name of the second blockchain instance; identifying a chain identifier of the second blockchain instance based on the blockchain domain name of the second blockchain instance, wherein the chain identifier of the second blockchain instance indicates a blockchain network configuration of the second blockchain instance; and providing access to the second blockchain instance for the first blockchain instance based on the blockchain network configuration indicated by the chain identifier of the second blockchain instance.

SG - 29.07.2020



FIG. 1

Exercise

Search in the English abstract. Blockchain with an application date = 2018

1. First search without grouping by families and compare the difference of results when grouped by families
- 2. Include NPL (still grouped by families)**

**1. WO/2019/072273 CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS**Int.Class [H04L 29/06](#) Appl.No PCT/CN2018/115926 Applicant ADVANCED NEW TECHNOLOGIES CO., LTD. Inventor QIU, Honglin

A computer-implemented method includes identifying, by a relay that is communicatively linked with a first **blockchain** instance and a second **blockchain** instance in a unified **blockchain** network, a **blockchain** domain name of a first **blockchain** instance; identifying a **blockchain** domain name of the second **blockchain** instance; receiving, from a node of the first **blockchain** instance, an access request for accessing the second **blockchain** instance, wherein the access request including the **blockchain** domain name of the second **blockchain** instance; identifying a chain identifier of the second **blockchain** instance based on the **blockchain** domain name of the second **blockchain** instance, wherein the chain identifier of the second **blockchain** instance indicates a **blockchain** network configuration of the second **blockchain** instance; and providing access to the second **blockchain** instance for the first **blockchain** instance based on the **blockchain** network configuration indicated by the chain identifier of the second **blockchain** instance.

WO - 18.04.2019

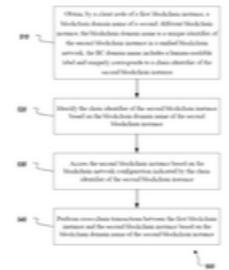


FIG. 5

2. 20200007315 ON-CHAIN GOVERNANCE OF BLOCKCHAINInt.Class [H04L 9/06](#) Appl.No 16025578 Applicant International Business Machines Corporation Inventor Meeta Vouk

An example operation may include one or more of receiving a request for **blockchain** information from a user device, acquiring **blockchain** data from a plurality of **blockchains** which are actively operating and available for joining, determining an amount of trust for each **blockchain** among the plurality of **blockchains** based on acquired **blockchain** data of the respective **blockchain**, and outputting a list identifying the plurality of **blockchains** where each **blockchain** on the list comprises a trust indicator indicating a determined amount of trust for the respective **blockchain**.

US - 02.01.2020

**3. 10202005443V CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN BLOCKCHAIN SYSTEMS**

Int.Class Appl.No 10202005443V Applicant ALIBABA GROUP HOLDING LIMITED Inventor QIU, Honglin

39 CROSS-CHAIN INTERACTIONS USING A DOMAIN NAME SCHEME IN **BLOCKCHAIN** SYSTEMS ABSTRACT Implementations of the present disclosure include identifying, by a relay that is 5 communicatively linked with a first **blockchain** instance and a second **blockchain** instance in a unified **blockchain** network, a **blockchain** domain name of a first **blockchain** instance ; identifying a **blockchain** domain name of the second **blockchain** instance; receiving, from a node of the first **blockchain** instance, an access request for accessing the second **blockchain** instance, wherein the access request including the **blockchain** domain 10 name

SG - 29.07.2020



FIG. 1

Exercise

Using this query EN_AB:(swimming NEAR15 floating):

1. What publication date has the most relevant document for this query?
2. What is the latest publication for this query
3. What is the top collection (national + national phase entries)? How many documents?
4. How many NPL documents related to this query are available?
5. Find documents in Chinese language

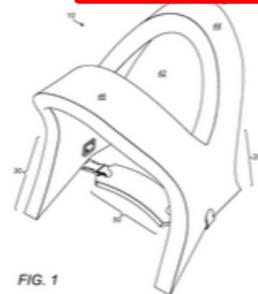
Exercise

Using this query **EN_AB:(swimming NEAR15 floating)**:

- 1. What publication date has the most relevant document for this query?**
2. What is the latest publication for this query
3. What is the top collection (national + national phase entries)? How many documents?
4. How many NPL documents related to this query are available?
5. Find documents in Chinese language

1. [WO/2013/160631](#) IMPROVED SWIMMING FLOATInt.Class [A63B 69/14](#) Appl.No PCT/GB2012/050940 Applicant YOUTH SPORT DIRECT LIMITED Inventor WEIR, Ross

A [swimming float](#) has a first float portion and a second float portion interconnected by a middle portion. The middle portion includes an aperture for receiving a swimmers head. The aperture defines a left shoulder and a right shoulder. The left and right shoulders are flexible such that first and second float portions are able to be arranged against a front and back of the swimmer. The [swimming float](#) includes a strap that connects the first float portion to the second float portion. The [swimming float](#) is able to be arranged, in use, between a users legs in order to hold the [swimming float](#) to the swimmer. Advantageously, the [swimming float](#) is able to be worn by the swimmer without the need for material or floats between the arms and torso which would otherwise hinder the swimmers movements and can prevent the development of proper strokes. Furthermore, when the swimmer develops greater ability, the [swimming float](#) can be used as a separate float (e.g. not worn).

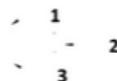


WO - 31.10.2013

2. [211752355](#) NOVEL SWIMMING FLOATING PLATEInt.Class [A63B 69/14](#) Appl.No 201922163297.4 Applicant NANJING FORESTRY UNIVERSITY Inventor MA ZHIYUAN

The utility model relates to the technical field of [swimming](#) equipment, in particular to an environment-friendly recyclable [swimming floating plate](#). The wood-plastic composite floor is sequentially composed of an upper sponge layer [1], a wood structure core layer [2] and a lower sponge layer [3] from top to bottom, and the upper sponge layer [1] and the lower sponge layer [3] are 5-10 mm thick and are made of sponge with good shock absorption performance. The thickness of the wood structure core layer [2] ranges from 25 mm to 30 mm. The honeycomb structure of the novel [swimming floating plate](#) is combined with the characteristic of low density of the cork wood, so that the rigidity required by the [swimming floating plate](#) can be provided, the [swimming floating plate](#) is not easy to bend, and the novel [swimming floating plate](#) can provide larger buoyancy due to the same size of the [swimming floating plate](#).

CN - 27.10.2020



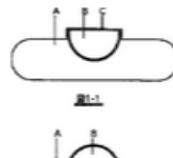
左视图

3. [2003125827](#) SWIMMING FLOATInt.Class [A63B 31/00](#) Appl.No 2001363458 Applicant KUZUU MIKIO Inventor KUZUU MIKIO

PROBLEM TO BE SOLVED: To provide a [swimming float](#) which can be stored in a condition protected by a touch hemispheric container in an off-season and can store money, a cellular phone, and valuables in the tough hemispheric container when a user plays in the sea.

SOLUTION: A hemispheric container and a lid attached to this [swimming float](#) are used as a [waterproof container](#) for storing money, a cellular phone, and [valuables](#) when the [swimming float](#) is used. The

JP - 07.05.2003



Exercise

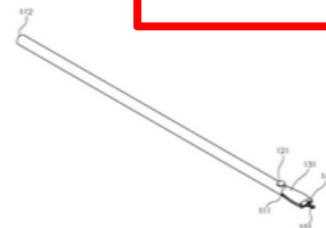
Using this query **EN_AB:(swimming NEAR15 floating)**:

1. What publication date has the most relevant document for this query?
2. **What is the latest publication for this query**
3. What is the top collection (national + national phase entries)? How many documents?
4. How many NPL documents related to this query are available?
5. Find documents in Chinese language

**1. 11072937 INFLATABLE POOL DIVIDER**Int.Class [E04H 4/14](#) Appl.No 16877656 Applicant Britton Lemmon Tabor Inventor Britton Lemmon Tabor

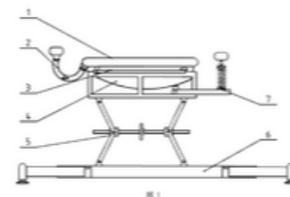
The inflatable pool divider is configured for use with a swimming pool. The inflatable pool divider is placed in the swimming pool such that each inflatable pool divider bifurcates the swimming pool into two regions called a swimming lane. The inflatable pool divider is a floating structure. The inflatable pool divider is an inflatable structure. The inflatable pool divider comprises a master bladder, a plurality of valves, a plurality of end caps, a plurality of tensioning devices, a plurality of carabiners, and a sleeve. The plurality of valves and the plurality of end caps attach to the master bladder. The plurality of tension devices and the plurality of carabiners anchor the plurality of end caps to the swimming pool.

US - 27.07.2021

**2. WO/2021/121218 METHOD AND APPARATUS FOR IMPLEMENTING SWIMMING IN WATERLESS ENVIRONMENT**Int.Class [A63B 69/10](#) Appl.No PCT/CN2020/136461 Applicant WAN, Zhongqing Inventor WAN, Zhongqing

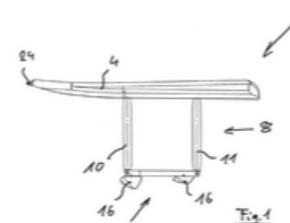
A method for implementing swimming in a waterless environment. The implementation method comprises: configuring an apparatus, the apparatus comprising a body-shaped support [1] and a floating device [4], the body-shaped support [1] being connected to the floating device [4] for simulating the movement of a human body on the water surface, when the human body is loaded on the body-shaped support [1], the body-shaped support [1] swimming with the human body, and the floating effect of the floating device [4] enabling the human body to simulate, in a waterless environment, an action under buoyancy in the water. The method implements swimming under waterless conditions, and achieves the purpose of aerobic exercise by means of an apparatus that simulates swimming.

WO - 24.06.2021

**3. WO/2021/084135 WATER SPORT DEVICE, IN PARTICULAR A FOILBOARD**Int.Class [B63B 1/30](#) Appl.No PCT/EP2020/080711 Applicant ROSEN SWISS AG Inventor ROSEN, Hermann

The invention relates to a water sport device, in particular a foilboard, comprising a floating body [4], in particular in the form of a swimming board, and a foil device [6] which is secured to the floating body [4] by means of a retaining device [8], wherein the foil device [6] arranged on a link [110, 11] of the retaining device [8] has at least one, preferably at least two foils [16], and it can be transferred via the retaining device [8] from an idle and/or starting position into an operating position below the floating body [4], wherein, in the operating position and during a forward movement, due to an uplift force caused by the foil device [6], the floating body [4] can be transferred into a position in which is spaced apart from the surface of the water, wherein the retaining device [8] has a drive, which is preferably designed as an electromechanical or electro-pneumatic drive [12], via which the foil device can be transferred, in particular extended and retracted and/or folded, from an idle and/or starting position into the operating position and/or from the operating position into the idle and/or starting position.

WO - 06.05.2021



Exercise

Using this query EN_AB:(swimming NEAR15 floating):

1. What publication date has the most relevant document for this query?
2. What is the latest publication for this query
3. **What is the top collection (national + national phase entries)?
How many documents?**
4. How many NPL documents related to this query are available?
5. Find documents in Chinese language

Exercise

Using this query **EN_AB:(swimming NEAR15 floating)**:

1. What publication date has the most relevant document for this query?
2. What is the latest publication for this query
3. What is the top collection (national + national phase entries)? How many documents?
4. **How many NPL documents related to this query are available?**
5. Find documents in Chinese language

ANALYSIS

Close

Filters Charts Timeseries

Countries		Offices		Applicants		Inventors		IPC code		CPC code		Filing Dates	Kind code	
China	416	China	424	KIM JEONG HUN	21	KIM, JEONG HUN	17	E04H	322	a63b 69/14	37	1972	A	532
United States of America	246	United States of America	258	JIANG XIAOFU	8	ORLOWSKI BOGUSLAW	8	A63B	272	a63b 31/00	33	1973	U	194
Japan	85	Japan	91	SOSMART RESCUE LTD	7	JEONG HUN KIM	6	B63C	221	a63b 2225/605	27	1974	B1	116
United Kingdom	78	United Kingdom	79	DONGGUAN HAOQI ENTERPRISE MANAGEMENT SERVICE CO LTD	6	JIANG XIAOFU	6	B63B	102	e04h 4/0012	24	1975	A1	113
PCT	67	PCT	67			LIN ZHIYONG	6	A01K	67	a63b	22	1976	B	83
France	58	France	58	JEONG HUN KIM	6	THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED	6	A41D	41	a63b 31/12	21	1977	B2	71
Republic of Korea	40	Germany	42	TURTLE PACK LTD	6	GUO TONGYU	5	C02F	41	b63c	20	1978	C2	15
Germany	37	Republic of Korea	40	EASEBON SERVICES LIMITED	5	LEKHTMAN, DAVID	5	A63H	38	e04h 4/1263	20	1979	C	10
European Patent Office	33	European Patent Office	38	FUTURE BEACH CO	5	LUO HUAJUN	5	E02B	30	y02a 40/81	20	1980	C1	9
Australia	29	Australia	29	ISHIKAWAJIMA HARIMA HEAVY IND CO LTD	5	PERRY MICHAEL L.	5	B01D	25	a63h 23/10	19	1981	U1	9
Canada	18	Canada	21			SCHEURER ROBERT S.	5	B63H	25	b63c 9/08	19	1982	A4	4
Russian Federation	18	Russian Federation	20	PRIME TIME TOYS LTD	5	HUANG ZHIXIONG	4	A47C	18	b63c 9/155	19	1983	T3	4
South Africa	10	South Africa	12	SHANGGU TECH [TIANJIN] CO LTD	5	MATSUMOTO NAOPYUKI	4	F24J	17	c02f 2103/42	19	1984	A2	2
Netherlands	6	India	7	CHOI YOUN SANG	4	XU YAOYUAN	4	G08B	16	e04h 4/14	19	1985	B6	2
New Zealand	6	New Zealand	7	DUMONT RAINER	4	AINE HARRY E.	3	B63G	12	a63b 2208/12	18	1986	E	2
India	5	Netherlands	6	FANTINI JEAN	4	CEN PU	3	A61H	11	e04h	17	1987	A6	1
Denmark	4	Denmark	4	MCGOWAN SCANLON MARTIN	4	CHEN GUODONG	3	G01F	10	e04h 4/082	17	1988	A9	1
Italy	3	Italy	3			CHEN RUILIN	3	G01N	10	a63b 2208/03	15	1989	B3	1
Czech Republic	2	Czech Republic	2	MINGDA INDUSTRIAL [XIAMEN] CO LTD	4	DALLAIRE MICHEL	3	G09B	9	b63c 9/1255	15	1990	B4	1
Spain	2	Spain	2	PISCINES DESJOYAUX SA	4	CHEN GUODONG	3	B67D	8	e04h 4/101	15	1991	B9	1
Portugal	2	Portugal	2			FU GUILAN	3	B67D	8	e04h 4/143	15	1992	Y	1
						GONG XINRU	3	A45C	7	a63b 69/12	14	1993		

Exercise

Using this query **EN_AB:(swimming NEAR15 floating)**:

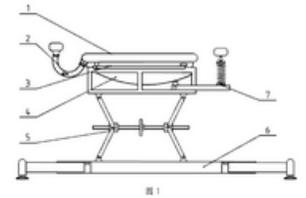
1. What publication date has the most relevant document for this query?
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**1. WO/2021/121218 METHOD AND APPARATUS FOR IMPLEMENTING SWIMMING IN WATERLESS ENVIRONMENT**

WO - 24.06.2021

Int.Class [A63B 69/10](#) Appl.No PCT/CN2020/136461 Applicant WAN, Zhongqing Inventor WAN, Zhongqing

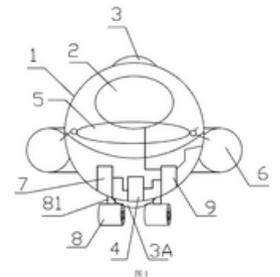
A method for implementing swimming in a waterless environment. The implementation method comprises: configuring an apparatus, the apparatus comprising a body-shaped support [1] and a floating device [4], the body-shaped support [1] being connected to the floating device [4] for simulating the movement of a human body on the water surface, when the human body is loaded on the body-shaped support [1], the body-shaped support [1] **swimming** with the human body, and the **floating** effect of the floating device [4] enabling the human body to simulate, in an waterless environment, an action under buoyancy in the water. The method implements swimming under waterless conditions, and achieves the purpose of aerobic exercise by means of an apparatus that simulates swimming.

**2. WO/2020/232601 SAFETY DEVICE AND METHOD FOR OFFSHORE SWIMMING MONITORING**

WO - 26.11.2020

Int.Class [A63B 71/06](#) Appl.No PCT/CN2019/087623 Applicant TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD. Inventor LIU, Haoyuan

Disclosed are a safety device and method for offshore **swimming** monitoring. The safety device comprises a moving body. The moving body **floats** on the water surface, and comprises an information acquisition module, a determining module, a calculation module, a steering module, a propulsion module, and an execution and reporting module. According to the safety device and method for offshore swimming monitoring, a swimmer near a beach is monitored in real time so that timely tracking and reporting can be achieved when it is found that the swimmer is in danger.

**3. WO/2020/187211 POWER PUMPING DEVICE HAVING ZERO CARBON CONSUMPTION ON WIDE WATER SURFACE, AND APPLICATION THEREOF**

WO - 24.09.2020

Int.Class [F04B 9/08](#) Appl.No PCT/CN2020/079798 Applicant LIANG, He Inventor LIANG, He

A power pumping device having zero carbon consumption on a water surface, comprising a floating platform [110], a piston assembly [120], a self-driving mechanism, a first one-way valve [150], and a second one-way valve [160], wherein the piston assembly [120] is provided on the floating platform [110], and comprises a cylinder barrel [121], a piston [122], and a push rod [123]; the self-driving mechanism is



Exercise

Using this query **EN_AB:(swimming NEAR15 floating)**:

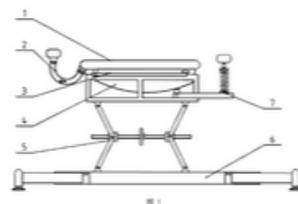
- 6. Translate the claims of the most recently published document into English?**
7. How many family member does this document have? And what are their relationships?
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WO - 24.06.2021

Int.Class [A63B 69/10](#) Appl.No PCT/CN2020/136461 Applicant WAN, Zhongqing Inventor WAN, Zhongqing

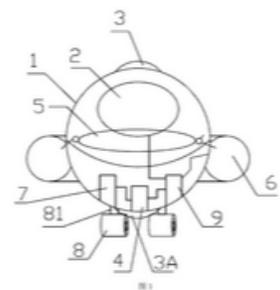
A method for implementing swimming in a waterless environment. The implementation method comprises: configuring an apparatus, the apparatus comprising a body-shaped support [1] and a floating device [4], the body-shaped support [1] being connected to the floating device [4] for simulating the movement of a human body on the water surface, when the human body is loaded on the body-shaped support [1], the body-shaped support [1] **swimming** with the human body, and the **floating** effect of the floating device [4] enabling the human body to simulate, in an waterless environment, an action under buoyancy in the water. The method implements swimming under waterless conditions, and achieves the purpose of aerobic exercise by means of an apparatus that simulates swimming.

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WO - 26.11.2020

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WO - 24.09.2020

Int.Class [F04B 9/08](#) Appl.No PCT/CN2020/079798 Applicant LIANG, He Inventor LIANG, He

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说明书

[发明名称](#) [0001](#) [0002](#) [0003](#) [0004](#) [0005](#) [0006](#) [0007](#) [0008](#) [0009](#) [0010](#) [0011](#) [0012](#) [0013](#) [0014](#) [0015](#) [0016](#) [0017](#) [0018](#) [0019](#) [0020](#) [0021](#) [0022](#) [0023](#) [0024](#) [0025](#) [0026](#) [0027](#) [0028](#) [0029](#) [0030](#) [0031](#) [0032](#) [0033](#) [0034](#) [0035](#) [0036](#) [0037](#) [0038](#) [0039](#) [0040](#) [0041](#) [0042](#) [0043](#) [0044](#) [0045](#) [0046](#) [0047](#) [0048](#) [0049](#) [0050](#) [0051](#) [0052](#) [0053](#)

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[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#)

附图

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#)

说明书

发明名称：一种在无水环境下游泳运动的实现方法及其装置

技术领域

[0001] 本发明涉及游泳健康器材领域，特别涉及一种在无水环境下游泳运动的实现方法及其装置。

背景技术

[0002] 游泳是一项最好的综合锻炼人体健康的运动，人体各部位在水中均产生柔性接触，对身体各部位同样是柔性受力锻炼，对人体各部位的可能造成伤害的几乎为零。所以人们在可能环境条件下均参与游泳运动锻炼，还有很大一部分人由于不具备游泳条件，不能实现游泳运动锻炼，同时也渴望能有这样的设备在无水条件下或在自己家里就能实现游泳运动锻炼，达到强身健体的效果和目的。目前在市场上还没有出现任何一款在无水条件下可实用的游泳健康的产品，开发一款在无水条件能够达到强身健体的设备是很有难度的。

WIPO Translate ▼

English

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Chinese

Arabic

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Google Translate

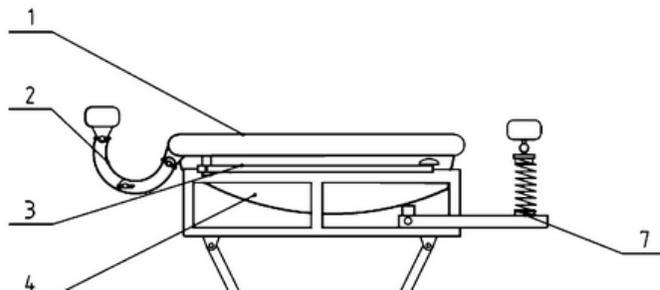
[0052] The device in the embodiment of the invention comprises an auxiliary exercise function type swimming health machine, which is used for people in need of rehabilitation exercise. Each component can be designed with a power realization device and can operate a motor and a manual function in any way to achieve which part action is needed, which part of maneuver is started, free action can be freely carried out, and the purpose of healthy exercise is achieved.

[0053] The foregoing is merely a preferred embodiment of the present invention and is not intended to limit the invention, and it will be apparent to those skilled in the art that the present invention may be practiced with various modifications and variations. Those skilled in the art observe that numerous modifications and alterations of the device and method may be made while retaining the teachings of the invention. Accordingly, the appended claims should be construed as limited only by the metes and bounds of the appended claims.

BRIEF DESCRIPTION OF THE CLAIMS

- [Claim 1] The invention relates to a method for realizing swimming movement in an anhydrous environment. The method is characterized in that the device comprises a body-shaped support and a floating device, wherein the body-shaped support is connected with the floating device and is used for simulating movement of the human body on the water surface; when the human body is loaded to the body-shaped support, the body-shaped support acts as a swimming action along with the human body;
- [Claim 2] The device according to claim 1, wherein the body support is connected to the floating device, and the floating device implementation method comprises: a relative sliding type, a rolling body transmission type, a flexible supporting type, a fluid transmission type, an elastic supporting type, a magnetic levitation supporting type, and an intelligent swimming stroke.
- [Claim 3] The device according to claim 2, wherein the rolling body transmission is characterized in that a plurality of rolling bodies are arranged in the supporting floating device, and when the human body swim moves, the rolling bodies roll or accumulate along with the rolling bodies, and are used for simulating the floating feeling in water. And the other side of the floating device is a rolling support so as to realize the relative motion function. The flexible support, in particular a flexible support within the floating device; the fluid transmission, in particular, a plurality of closed fluid bodies are arranged in the floating device, the fluid is located between the upper portion and the lower portion of the floating device, the body is supported under the balance of the fluid, and the supporting floating device is used for realizing linkage and has a supporting floating function; and the elastic supporting type, specifically, a plurality of springs are arranged in the supporting floating device. The two ends of the spring are respectively fixed to the upper portion and the lower portion of the floating device; the magnet is arranged in the floating device, the direction of the poles of the upper and lower magnets of the supporting and floating device is the same, and the floating function is realized through the principle of like repulsion of the magnets; and the intelligent swimming pool is characterized in that a plurality of power joint mechanisms are arranged in the supporting floating device, the power joint pieces change the swimming action signals into the coordinated actions of the joints through the sensing piece, and the swimming action and the floating function are achieved.
- [Claim 4] A device for achieving simulated swimming movement in an anhydrous environment is characterized in that the device comprises a body support, a support member, a support member, a chassis member, a limb support member and a head support member, wherein the support member is provided with a body support member, a limb support member and a head support member, the lower portion of the support member is connected with the support member, the support member is fixedly connected with the chassis member, and the body support member is connected with the support member.
- [Claim 5] A device for realizing swimming motion in an anhydrous environment is characterized in that the device comprises: a support member, a support member, a chassis member, a limb support member, and a head support member, the lower portion of the support member being connected to the support member, the support member being fixedly coupled to the chassis member, the support member being provided with a plurality of pairs of walking power wheels, the power wheel being driven by a motor, the motor may receive a control signal from the sensor, the sensor may be disposed at a position associated with the body support, the limb support member, the head support member, the support member, the chassis member,
- [Claim 6] The device according to claim 5, wherein the body support, the limb support member, and the head support member comprise a plurality of power joint mechanisms for moving the body support, the limb support member, and the head support member in cooperation with the body limb movement. Meanwhile, the body support, the limb support member and the head support member further comprise a plurality of sensing members for controlling the power joint mechanism to simulate the movement of the human body, and guiding movement of the body of the human body according to the action requirements.
- [Claim 7] The apparatus of claim 5, further comprising an air purification device for providing clean air required for movement of the human body.
- [Claim 8] The apparatus according to claim 5, further comprising an electronic device and a display device for collecting data, the electronic device being used for displaying content and monitoring motion data; the display device is used for displaying data acquired by the electronic device and the sensor.
- [Claim 9] The apparatus of any one of claims 5-8, further comprising a processor for wired or wireless connection with an air purification device, an electronic device, a display device, a sensor, and a motor.
- [Claim 10] The apparatus of claim 5, wherein the foot and the power wheel can be retracted into the chassis component and switched to a non-movable exercise device.

BRIEF DESCRIPTION OF THE DRAWINGS



Exercise

Using this query **EN_AB:(swimming NEAR15 floating)**:

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1. WO2021121218 - METHOD AND APPARATUS FOR IMPLEMENTING SWIMMING IN WATERLESS ENVIRONMENT



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

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Sole priority inside the family.

CN110917598 METHOD AND DEVICE FOR REALIZING SWIMMING EXERCISE IN WATER-FREE ENVIRONMENT

Appl.No 201911318187.9 Applicant WAN ZHONGQING Pub.Kind A

Appl.Date 19.12.2019
Inclusion Criteria IC5 Pub.Date 27.03.2020

WO/2021/121218 METHOD AND APPARATUS FOR IMPLEMENTING SWIMMING IN WATERLESS ENVIRONMENT

Appl.No PCT/CN2020/136461 Applicant WAN, Zhongqing Pub.Kind A Pub.Lang zh

Appl.Date 15.12.2020
Inclusion Criteria IC1 Pub.Date 24.06.2021

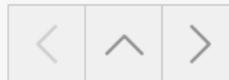
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Using this query **EN_AB:(swimming NEAR15 floating)**:

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1. WO2021121218 - METHOD AND APPARATUS FOR IMPLEMENTING SWIMMING IN WATERLESS ENVIRONMENT



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International Application Status			
Date	Title	View	Download
05.08.2021	International Application Status Report	HTML , PDF , XML	PDF , XML

Published International Application				
Date	Title	View	Download	
24.06.2021	Initial Publication with ISR[(A1 25/2021)]	PDF (25p.)	PDF (25p.) , ZIP(XML + TIFFs) , FullText	<input type="checkbox"/>

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24.06.2021	Translation of the ISR	PDF (2p.)	PDF (2p.) , ZIP(XML + TIFFs) , FullText	<input checked="" type="checkbox"/>
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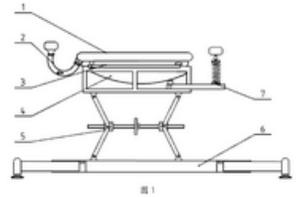
6. Translate the claims of the second most recently published document into English?
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Int.Class [A63B 69/10](#) Appl.No PCT/CN2020/136461 Applicant WAN, Zhongqing Inventor WAN, Zhongqing

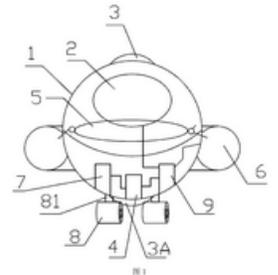
A method for implementing swimming in a waterless environment. The implementation method comprises: configuring an apparatus, the apparatus comprising a body-shaped support [1] and a floating device [4], the body-shaped support [1] being connected to the floating device [4] for simulating the movement of a human body on the water surface, when the human body is loaded on the body-shaped support [1], the body-shaped support [1] **swimming** with the human body, and the **floating** effect of the floating device [4] enabling the human body to simulate, in an waterless environment, an action under buoyancy in the water. The method implements swimming under waterless conditions, and achieves the purpose of aerobic exercise by means of an apparatus that simulates swimming.

**2. [WO/2020/232601](#) SAFETY DEVICE AND METHOD FOR OFFSHORE SWIMMING MONITORING**

WO - 26.11.2020

Int.Class [A63B 71/06](#) Appl.No PCT/CN2019/087623 Applicant TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD. Inventor LIU, Haoyuan

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WO - 24.09.2020

Int.Class [F04B 9/08](#) Appl.No PCT/CN2020/079798 Applicant LIANG, He Inventor LIANG, He

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EN_AB:(swimming NEAR15 floating) AND LGP:zh



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- Tärkein niistä on...



Next session: August 24

- Chemical searches
- Combination of all the studied features

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Offices for which PCT national phase information is available

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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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