

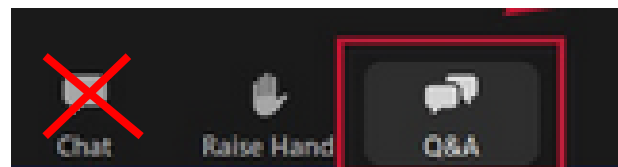
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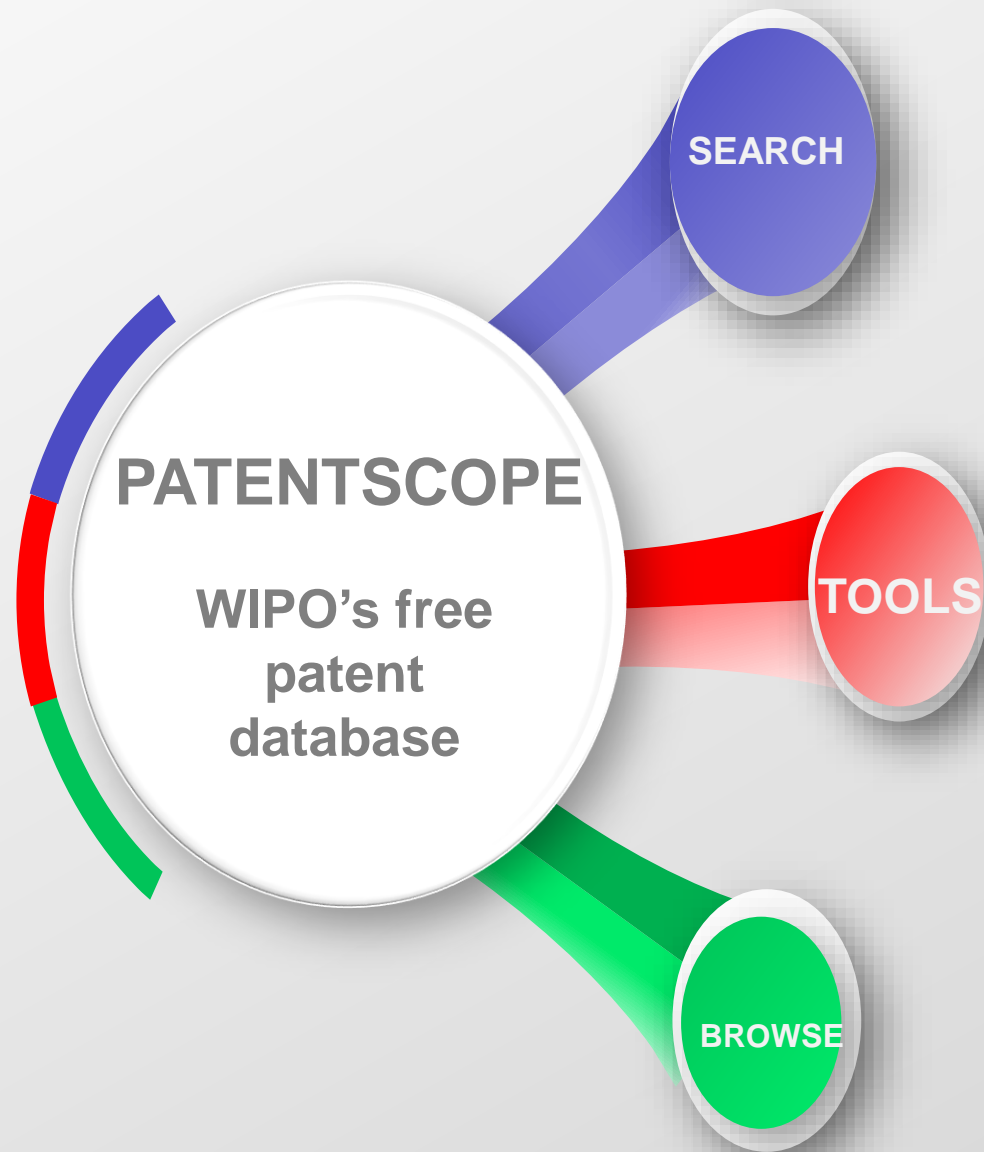


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<b>Publication Number</b> WO/2020/148917	<b>Title</b> [EN] A MEASURED POWDER DISPENSER [FR] DISTRIBUTEUR DE POUDRE MESURÉE
<b>Publication Date</b> 23.07.2020	
<b>International Application No.</b> PCT/AU2019/051076	
<b>International Filing Date</b> 13.12.2019	
<b>IPC</b> A47G 19/34 2006.01   G01F 11/24 2006.01 A47J 47/18 2006.01	
<b>Applicants</b> MORELLO, Silvio [AU]/[AU]	
<b>Inventors</b> MORELLO, Silvio	
<b>Agents</b> PATENTEC PATENT ATTORNEYS LL1, 65 York St Sydney, New South Wales 2000, AU	
<b>Priority Data</b> 2019500139 17.01.2019 AU	
<b>Publication Language</b> English [EN]	
<b>Filing Language</b> English [EN]	
<b>Designated States</b> <i>View all</i>	
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**Abstract**

[EN]  
A measured powder dispenser has a hopper feeding powder down into a measured dispensing mechanism. The measured dispensing mechanism has an inlet and an outlet and a measuring container operable therebetween. The measuring container is rotatably engaged about a rotation axis generally orthogonal to an inlet axis of the inlet such that an exterior surface thereof moves across the inlet when the measuring container rotates. The measuring container has an interior volume adjustable measurement chamber recessed within the exterior surface such that, in use, at a first rotational position, the measurement chamber aligns with the inlet to accept a measured amount of powder therein from the power container and, when rotated to a second rotational position, the exterior surface seals across the inlet and the measurement chamber aligns with the outlet to dispense the measured amount of powder therefrom.

[FR]  
La présente invention concerne un distributeur de poudre mesurée présentant une trémie introduisant de la poudre vers le bas dans un mécanisme de distribution mesurée. Le mécanisme de distribution mesurée présente une admission et une évacuation et un contenant de mesure pouvant être actionné entre eux. Le contenant de mesure est en prise rotative autour d'un axe de rotation généralement orthogonal à un axe d'admission de l'admission de sorte qu'une surface extérieure de ce dernier se déplace à travers l'admission lorsque le contenant de mesure tourne. Le contenant de mesure présente une chambre de mesure à volume intérieur réglable en retrait à l'intérieur de la surface extérieure de sorte que, lors de l'utilisation, au niveau d'une première position de rotation, la chambre de mesure s'aligne avec l'admission afin d'accepter une quantité de poudre mesurée en son sein à partir du contenant de poudre et, dans une seconde position de rotation, la surface extérieure sur l'admission et la chambre de mesure s'aligne avec l'évacuation afin de distribuer la quantité de poudre mesurée à partir de cette dernière.

发明名称：一种样本光学检测装置

**说明书**

**技术领域**

**技术领域**

[0001] 本发明涉及一种样本光学检测装置。

**背景技术**

**背景技术**

[0002] 血液分析仪大多采用激光散射原理进行测量，原理为：将激光照射在细胞上，通过收集细胞被照射后产生的前向散射光、侧向散射光（90度散射光）和侧向荧光（90度荧光），来对细胞进行分类和计数等。

[0003] 图1为一种血液分析仪的光学检测装置，细胞在鞘流的作用下逐个通过流动室，当激光光源发出的光被透镜准直后向通过流动室的细胞照射，照射到细胞上的光会向四面产生散射，通过一收集透镜来收集前向散射光后，再经过一个光源来限定最终到达光电探测器的前向散射光的角度，例如将前向散射光限定为低角度（或者说小角度）的前向散射光——这种角度的前向散射光一般用于测量细胞体积；同时，在与照射到细胞的光线垂直的方向通过另一收集透镜来收集侧向光，收集的侧向光再通过二向色镜发生反射和折射，其中侧向光中的侧向散射光在经过二向色镜时发生反射，然后到达相应的光电探测器——侧向散射光一般用于测量细胞的表面复杂程度，侧向荧光则经过折射或者透镜后再经过一滤光片也到达相应的光电探测器——侧向荧光一般用于测量细胞内核酸含量。

[0004] 图1中的光学检测装置仅有三路测量通道——即低角度前向散射光通道、侧向散射光通道和侧向荧光通道，因此只能基于这三路测量通道获取的信号来对细胞进行分类和计数，这在一定程度上会限制对细胞的进一步分析和计数，即无法做到进行更多维度和更加细致的分析和计数，降低了异常细胞的分类能力；技术人员如果将图1中低角度前向散射光通道替换成增加高角度（或者说大角度）散射光通道，可以直接使用光电探测器靶面来接收大角度前向散射光，但这样接收得到的信号信噪比非常差，因此为了保证信号质量，技术人员通常会采用复杂的多个透镜组合来收集大角度前向散射光再出射给对应的光电探测器，这种做法则会极大增加装置的成本；另外，光学检测装置的尺寸一般偏大，这是由于其光路结构所造成的，例如前向散射光通道一般被设计为折射式的光路结构，因此这会造成光学检测装置的尺寸偏大，尤其是当前向散射光通道用于收集多个角度范围（例如低角度和高角度等）的散射光时。

**发明概述**

**技术问题**

[0005] 本发明主要提供一种样本光学检测装置，下面说明。

**技术方案**

[0006] 一实施例的样本光学检测装置，包括：

[0007] 流动室，用于使得待测样本中的细胞逐个通过；

[0008] 光源，用于照射通过所述流动室的细胞；



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- car – cable car – «cable car»
- cable NEAR car

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1. **754576** METHOD FOR OPERATING A **CABLE CAR** SYSTEM AND **CABLE CAR** SYSTEM FOR CARRYING OUT THIS OPERATING METHOD

NZ - 31.07.2020

Int.Class [B61B 12/06](#) ⓘ Appl.No 754576 Applicant [ROPETRANS AG](#) Inventor LUGER, Peter

The invention relates to a method for operating a **cable car** system having at least two **cable car** stations and having at least one carrying cable [13] located between the **cable car** stations, on which at least one **cable car** vehicle [15] is moved by means of at least one hauling cable [14], wherein the at least one **cable car** vehicle [15] is moved between the **cable car** stations by means of the hauling cable [14], and comprising at least one **cable car** support [12] via which the carrying cable [13] and the hauling cable [14] are guided. In addition, the travelling positions of the at least one **cable car** vehicle [15] along the travelling route are determined by means of at least one measuring device, the travelling positions of the at least one **cable car** vehicle [15] along the travelling route is transmitted to a control unit and processed and stored in same, and a signal is input into the control unit by means of an input device located on the at least one **cable car** support [12] such that maintenance or assembly works and similar are carried out on this **cable car** support [12], wherein, when a **cable car** vehicle [15] is approaching the **cable car** support [12], the drive for moving the at least one **cable car** vehicle [15] is controlled by the control unit such that the **cable car** vehicle [15] is moved at a significantly reduced speed in relation to the operating speed, or is stopped in the region of the **cable car** support [12].

2. **201917025726** METHOD FOR OPERATING A **CABLE CAR** SYSTEM AND **CABLE CAR** SYSTEM FOR CARRYING OUT THIS OPERATING METHOD

IN - 06.09.2019

Int.Class [B61B 12/06B](#) ⓘ Appl.No 201917025726 Applicant [ROPETRANS AG](#) Inventor MATHIS, Michael

The invention relates to a method for operating a **cable car** system having at least two **cable car** stations and having at least one carrying cable [13] located between the **cable car** stations, on which at least one **cable car** vehicle [15] is moved by means of at least one hauling cable [14], wherein the at least one **cable car** vehicle [15] is moved between the **cable car** stations by means of the hauling cable [14], and comprising at least one **cable car** support [12] via which the carrying cable [13] and the hauling cable [14] are guided. In addition, the travelling positions of the at least one **cable car** vehicle [15] along the travelling route are determined by means of at least one measuring device, the travelling positions of the at least one **cable car** vehicle [15] along the travelling route is transmitted to a control unit and processed and stored in same, and a signal is input into the control unit by means of an input device located on the at least one **cable car** support [12] such that maintenance or assembly works and similar are carried out on this **cable car** support [12], wherein, when a **cable car** vehicle [15] is approaching the **cable car** support [12], the drive for moving the at least one **cable car** vehicle [15] is controlled by the control unit such that the **cable car** vehicle [15] is moved at a significantly reduced speed in relation to the operating speed, or is stopped in the region of the **cable car** support [12].

3. **3551518** METHOD FOR OPERATING A **CABLE CAR** SYSTEM AND **CABLE CAR** SYSTEM FOR CARRYING OUT THIS OPERATING METHOD

EP - 16.10.2019

Int.Class [B61B 12/06](#) ⓘ Appl.No 17811922 Applicant [ROPETRANS AG](#) Inventor MATHIS MICHAEL

The invention relates to a method for operating a **cable car** system having at least two **cable car** stations and having at least one carrying cable [13] located between the **cable car** stations, on which at least one **cable car** vehicle [15] is moved by means of at least one hauling cable [14], wherein the at least one **cable car** vehicle [15] is moved between the **cable car** stations by means of the hauling cable [14], and comprising at least one **cable car** support [12] via which the carrying cable [13] and the hauling cable [14] are guided. In addition, the travelling positions of the at least one **cable car** vehicle [15] along the travelling route are determined by means of at least one measuring device, the travelling positions of the at least one **cable car** vehicle [15] along the travelling route is transmitted to a control unit and processed and stored in same, and a signal is input into the control unit by means of an input device located on the at least one **cable car** support [12] such that maintenance or assembly works and similar are carried out on this **cable car** support [12], wherein, when a **cable car** vehicle [15] is approaching the **cable car** support [12], the drive for moving the at least one **cable car** vehicle [15] is controlled by the control unit such that the **cable car** vehicle [15] is moved at a significantly reduced speed in relation to the operating speed, or is stopped in the region of the **cable car** support [12].

4. **2017374921** METHOD FOR OPERATING A **CABLE CAR** SYSTEM AND **CABLE CAR** SYSTEM FOR CARRYING OUT THIS OPERATING METHOD

AU - 21.06.2018

Int.Class [B61B 12/06](#) ⓘ Appl.No 2017374921 Applicant [Ropetrans AG](#) Inventor Bissig, Iwan

The invention relates to a method for operating a **cable car** system having at least two **cable car** stations and having at least one carrying cable [13] located between the **cable car** stations, on which at least one **cable car** vehicle [15] is moved by means of at least one hauling cable [14], wherein the at least one **cable car** vehicle [15] is moved between the **cable car** stations by means of the hauling cable [14], and comprising at least one **cable car** support [12] via which the carrying cable [13] and the hauling cable [14] are guided. In addition, the travelling positions of the at least one **cable car** vehicle [15] along the travelling route are determined by means of at least one measuring device, the travelling positions of the at least one **cable car** vehicle [15] along the travelling route is transmitted to a control unit and processed and stored in same, and a signal is input into the control unit by means of an input device located on the at least one **cable car** support [12] such that

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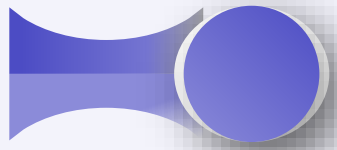
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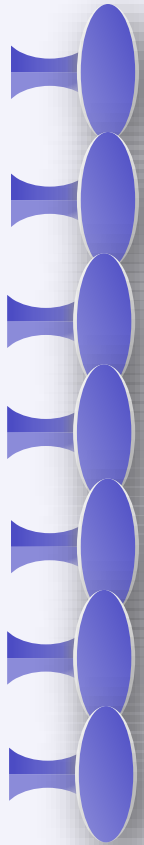
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1. **20200094854** METHOD FOR OPERATING A CABLE CAR SYSTEM AND CABLE CAR SYSTEM FOR CARRYING OUT THIS OPERATING METHOD

Int.Class [B61B 12/10](#) Appl.No 16468918 Applicant **ROPETRANS AG** Inventor Michael Mathis

A cable car system has at least two cable car stations and at least one carrying cable between the stations. A cable car vehicle is moved by a hauling cable between the car stations. The travelling positions of the vehicle along the travelling route are determined by a measuring device and transmitted to a control unit and processed and stored in same. A signal is input into the control unit by an input device located on a cable car support such that maintenance or assembly works and similar are carried out on this cable car support. When a cable car vehicle approaches the cable car support, the drive for moving the at least one cable car vehicle is controlled by the control unit such that the cable car vehicle is moved at a significantly reduced speed in relation to the operating speed, or is stopped at the cable car support.



US - 26.03.2020

2. **3551518** METHOD FOR OPERATING A CABLE CAR SYSTEM AND CABLE CAR SYSTEM FOR CARRYING OUT THIS OPERATING METHOD

Int.Class [B61B 12/06](#) Appl.No 17811922 Applicant **ROPETRANS AG** Inventor MATHIS MICHAEL

The invention relates to a method for operating a cable car system having at least two cable car stations and having at least one carrying cable [13] located between the cable car stations, on which at least one cable car vehicle [15] is moved by means of at least one hauling cable [14], wherein the at least one cable car vehicle [15] is moved between the cable car stations by means of the hauling cable [14], and comprising at least one cable car support [12] via which the carrying cable [13] and the hauling cable [14] are guided. In addition, the travelling positions of the at least one cable car vehicle [15] along the travelling route are determined by means of at least one measuring device, the travelling positions of the at least one cable car vehicle [15] along the travelling route is transmitted to a control unit and processed and stored in same, and a signal is input into the control unit by means of an input device located on the at least one cable car support [12] such that maintenance or assembly works and similar are carried out on this cable car support [12], wherein, when a cable car vehicle [15] is approaching the cable car support [12], the drive for moving the at least one cable car vehicle [15] is controlled by the control unit such that the cable car vehicle [15] is moved at a significantly reduced speed in relation to the operating speed, or is stopped in the region of the cable car support [12].

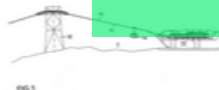


FIG. 1

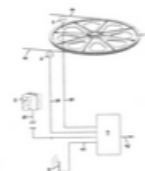


FIG. 2

EP - 16.10.2019

3. **3046276** METHOD FOR OPERATING A CABLE CAR SYSTEM AND CABLE CAR SYSTEM FOR CARRYING OUT THIS OPERATING METHOD

Int.Class [B61B 12/06](#) Appl.No 3046276 Applicant **ROPETRANS AG** Inventor

CA 03046276 2019-06-06

Abstract

The invention relates to a method for operating a cable car system having at least two cable car stations and having at least one carrying cable [13] located between the cable car

stations, on which at least one cable car vehicle [15] is moved by means of at



FIG. 1

CA - 21.06.2018

# 1. US20200094854 - METHOD FOR OPERATING A CABLE CAR SYSTEM AND CABLE CAR SYSTEM FOR CARRYING OUT THIS OPERATING METHOD



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

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[EN]

## Claims

1. A method of operating a cable car system having at least two cable car stations, a cable running between the cable car stations, at least one cable car vehicle moving along a transport path between the cable car stations, and at least one cable car support between the cable car stations for supporting the cable, the method comprising:  
determining respective moving positions of the at least one cable car vehicle along the transport path with at least one measuring device;  
transmitting the moving positions of the at least one cable car vehicle along the transport path to a control unit and processing and storing the moving positions in the control unit;  
notifying that maintenance or assembly work is being performed on the at least one cable car support by transmitting a corresponding signal from an input unit situated on the at least one cable car support to the control unit;  
controlling a drive for moving the at least one cable car vehicle by way of the control unit when the cable car vehicle approaches the at least one cable car support, to cause the cable car vehicle to move at a speed that is greatly reduced in comparison with an operating speed or is stopped in a region of the cable car support.
2. The method according to **claim 1**, wherein the cable is a self-contained haul cable which runs between the cable car stations and which hauls the at least one cable car vehicle that is coupled thereto and that is supported on at least one suspension cable.
3. The method according to **claim 1**, wherein the cable is a self-contained traction cable onto which the at least one cable car vehicle is clamped and which moves the at least one cable car vehicle between the cable car stations.
4. A cable car system, comprising:  
at least two cable car stations;  
at least one self-contained haul cable extending between said cable car stations and having said at least one cable car vehicle coupled thereto, or at least one suspension cable, on which at least one cable car vehicle is moved by way of at least one traction cable, wherein the at least one cable car vehicle is moved along a transport path between said cable car stations by way said haul cable or said traction cable;  
at least one cable car support, over which said haul cable or said suspension cable and said traction cable are guided;  
a measuring device configured to determine moving positions of said at least one cable car vehicle along the transport path;  
a control unit configured to receive, process and store the moving positions of said at least one cable car vehicle along the transport path; and  
an input unit disposed at said at least one cable car support, said input unit enabling an input signal to be conveyed to said control unit, notifying that maintenance or assembly work is being performed on said cable car support, wherein said control unit controls a drive for the movement of said at least one cable car vehicle such that, upon an approach of said at least one cable car vehicle to said cable car support, said cable car vehicle is moved at a speed which is greatly reduced relative to a regular operating speed or is stopped in a region of said cable car support.
5. The cable car system according to **claim 4**, configured for carrying out the following operating method,  
determining respective moving positions of the at least one cable car vehicle along the transport path with said measuring device;  
transmitting the moving positions of the at least one cable car vehicle along the transport path to said control unit and processing and storing the moving positions in said control unit;  
notifying that maintenance or assembly work is being performed on the at least one cable car support by transmitting a corresponding signal from said input unit to said control unit;  
controlling the drive for moving the at least one cable car vehicle by way of the control unit when the cable car vehicle approaches said cable car support, to cause the cable car vehicle to move at a speed that is greatly reduced in comparison with an operating speed or is stopped in a region of said cable car support.
6. The cable car system according to **claim 4**, wherein said at least one cable car vehicle is equipped with a signal generator to be set in operation by way of said control unit as soon as said cable car vehicle approaches said cable car support.

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cable car

Query Language* English	Expansion Mode: <input checked="" type="radio"/> Automatic <input type="radio"/> Supervised	Precision level High
The language of your query  Use the <b>Supervised</b> mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by		Influences the precision of the suggested variants. <b>Highest</b> level considers only the most relevant ones (less suggested variants) <b>Lowest</b> level considers the less relevant as well (more suggested variants)

Search



EN\_AB:("cable car" OR "cableway" OR "cable wagon"~21 OR "rope car"~21 OR "rope wagon"~21) OR FR\_AB:("téléphérique" OR "télécabine" OR "câble" OR "téléférique" OR "blondin" OR "téléphéage")

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## FULL QUERY

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EN\_AB:("cable car" OR "cableway" OR "cable wagon"~21 OR "rope car"~21 OR "rope wagon"~21) OR FR\_AB:("téléphérique" OR "télécabine" OR "câble" OR "téléférique" OR "blondin" OR "téléphéage") OR DE\_AB:("Seilbahn" OR "Kabinenbahn" OR "Seilschwebbahn" OR "Kabelbahn" OR "Umlaufseilbahn" OR "Kabinenseilbahn" OR "Drahtseilbahn") OR ES\_AB:("funicular" OR "teleférico") OR PT\_AB:("vagão cabo"~22 OR "teleférico" OR "carro cabo"~22) OR JA\_AB:("索道" OR "ケーブルカー") OR RU\_AB:("каната вагона"~22 OR "канатной вагона"~22 OR "подвесной вагона"~22 OR "кабельный вагона"~22 OR "тросом вагона"~22 OR "транспортной вагона"~22 OR "канатной дороги" OR "подвесной" OR "канатной") OR ZH\_AB:("架空乘" OR "或索道" OR "悬索") OR KO\_AB:("수중용 케이블카" OR "전동차용 케이블"~22 OR "전동차용 케이블카"~22 OR "차량설비 케이블"~22 OR "차량설비 케이블카"~22 OR "철도차량용 기기 케이블"~22 OR "루프 케이블"~22 OR "운전실의 케이블"~22 OR "전동차용 쉘"~22) OR IT\_AB:("funiviario" OR "fune" OR "teleferico" OR "fune piamento"~22 OR "fune cabina"~22 OR "fune vagopne"~22 OR "fune carrozze ferroviarie"~22 OR "cavo piamento"~22 OR "fune vagone"~22) OR SV\_AB:("linbana eller liknande vagn"~22 OR "linbana eller liknande rälsgående"~22) OR PL\_AB:("linowy" OR "toru wagonu"~22 OR "napędem wagonu"~22 OR "toru wóz"~22 OR "toru składający"~22 OR "napędem wóz"~22 OR "napędem składający"~22 OR "toru wagonowych"~22 OR "napędem wagonowych"~22) OR DA\_AB:("baeresystem en haengebane")

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Machine translation ▼

### 1. [0002723573](#) OPERATING METHOD OF SUSPENDED CABLE RAILWAY SYSTEM AND SUSPENSION CABLEWAY SYSTEM FOR IMPLEMENTATION OF OPERATION METHOD THEREOF

RU - 16.06.2020

Int.Class [B61B 12/06](#) [?](#) Appl.No 2019119831 Applicant Inventor МАТИС, Михаэль (АТ)

FIELD: transportation. SUBSTANCE: invention relates to aerial ropeway. Method of operating suspension ropeway system with at least two stations of aerial ropeway and with at least one carrying rope [13] located between stations of suspended aerial ropeway, at least one vehicle [15] of aerial ropeway is moved by means of at least one traction cable [14]. At that, by means of at least one measuring device, transport positions of said at least one vehicle [15] of aerial ropeway along motion section are determined, said transport positions of said at least one suspension ropeway vehicle [15] along said traffic section are transmitted to a control unit and processed therein, as well as stored therein, and by means of located on said at least one support [12] suspension [cableway](#) device input into control unit is entered a signal that on this support [12] suspension [cableway](#) is maintenance work, respectively, installation work. At that, by means of control unit at approach of [cable car](#) [15] of aerial ropeway to suspension [rope road](#) [12] support drive for movement of said at least one vehicle [15] of aerial ropeway is adjusted in the sense that the suspension [cableway](#) vehicle [15] in the area of suspension [12] of the aerial ropeway with a speed which is considerably reduced relative to the operating speed is moved, respectively, delayed. EFFECT: as a result, safety of ropeway, including safety of installation and repair works, is increased. 4 cl, 3 dwg


### 2. [3947096](#) CABLE-CAR SUPPORT COMPRISING A CLIMB-OVER APPARATUS

EP - 09.02.2022

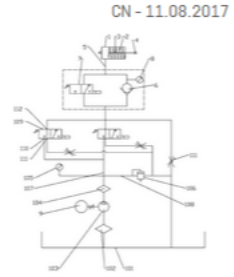
Int.Class [B61B 12/00](#) [?](#) Appl.No 20717585 Applicant INNOVA PATENT GMBH Inventor SCHMID OLIVER

In order to make it easier to access an access unit [4] of a [cable-car](#) support [1] of a [cableway](#) [2], according to the invention a climb-over apparatus [15] for persons to climb over from a [cable car](#) [7] of the [cableway](#) [2] onto the access unit [4] or vice versa is provided on the [cable-car](#) support [1], wherein the climb-over apparatus [15] is positioned on the [cable-car](#) support [1] by means of a fastening unit [21] so as to be movable relative to the access unit [4], wherein the climb-over apparatus [15] can be displaced relative to the access unit [4] from a rest position [RP], in which the climb-over apparatus [15] is stowed on the access unit [4], into a provision position [BP] which is provided for performing the climb-over action.

83. [206394628](#) AERIAL PASSENGER DEVICE'S HYDRAULIC BRAKE DEVICE

Int.Class [B61B 12/06](#)  Appl.No 201720039779.7 Applicant ZAOZHANG DAXING MINING INDUSTRY CO., LTD. Inventor ZHANG BIN

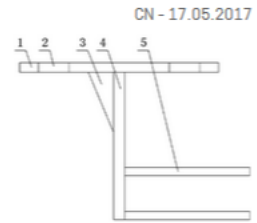
The utility model relates to an aerial passenger device's hydraulic brake device belongs to mining braking equipment. The utility model provides a aerial passenger device's hydraulic brake device, including liquid braking device, liquid braking device sets up in built on stilts people's drive wheel department that takes advantage of, and this liquid braking device embeds there is belleville spring, belleville spring sets up and to establish on the piston rod in liquid braking device's inside and cover, and the piston rod stretches out liquid braking device department and establishes the brake block, and liquid braking device does not have under the voltol oil state belleville spring and extends naturally and drive the piston rod and brake to liquid braking device internal contraction, the brake block contact cage air -service people drive wheel realization of tailpiece of the piston rod portion.




84. [206171452](#) 可摘挂式座椅架空乘人装置断轴保护装置

Int.Class [B61B 12/06](#)  Appl.No 201621219534.4 Applicant 永城煤电控股集团有限公司 Inventor 管朝辰

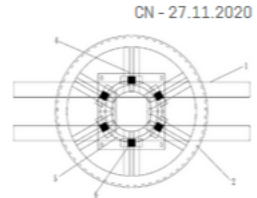
本实用新型公开了一种可摘挂式座椅架空乘人装置断轴保护装置, 它包括底座, 所述底座上设置有螺栓孔, 所述底座的下端与保护架的上端连接, 所述保护架包括立板和横板, 所述立板的上端与所述底座的下端连接, 所述横板为两个以上, 所有所述横板的一端均分别与所述立板的一侧面连接, 并且, 所述横板之间设置有间隔。本实用新型能有效起到保护架空乘人装置驱动轮轴断的预防性保护措施, 有效避免因架空乘人装置轴断带来的安全事故扩大化, 为架空乘人装置安全可靠运行提供一套安全保护屏障, 大大提高架空乘人装置运行的安全可靠性和安全效益显著。



85. [212022623](#) BROKEN SHAFT PROTECTION DEVICE FOR FIXED SEAT AERIAL PASSENGER DEVICE

Int.Class [B61B 12/06](#)  Appl.No 202020771628.3 Applicant YONGCHENG COAL & ELECTRICITY HOLDING GROUP CO., LTD. Inventor ZHANG HAO

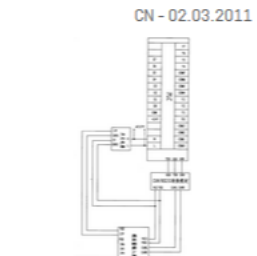
The utility model discloses a broken shaft protection device for a fixed seat overhead man-riding device. Wherein the hub type supporting frame and the broken shaft hanging device are installed on a girder of a rack of the aerial passenger device and nested on the outer side of a driving wheel shaft, and the broken shaft hanging device is fixed to spokes of a driving wheel through a connecting plate and installed on the periphery of the hub type supporting frame. An operation gap of 10 mm to 20 mm is reserved between the hub type supporting frame and the broken shaft hanging device. According to the utility model, preventive protection measures for protecting the drive wheel of the overhead man-riding device from being broken can be effectively taken, safety accident expansion caused by shaft breakage of the overhead man-riding device is effectively avoided, a set of safety protection barrier is provided for safe and reliable operation of the overhead man-riding device, and the safety and reliability of operation are improved.



86. [201754232](#) 矿用架空乘人装置液压驱动装置限速保护电路

Int.Class [G05B 19/05](#)  Appl.No 201020280752.5 Applicant 肖公平 Inventor 肖公平

本实用新型公开了一种矿用架空乘人装置液压驱动装置限速保护电路, 由PLC、CAN/RS232转换模块、模拟量输入模块、开关电源组成。本实用新型具有如下的有益效果, 矿用架空乘人装置液压驱动装置限速保护电路的主要特点是通过PLC采集的现场液压驱动装置压力信号进行处理后实现限速保护停车, 从而实现安全保护自动化控制, 达到保护液压驱动装置和架空乘人装置设备和乘坐人员安全的目的; 其性能可靠、使用方便, 是煤矿架空乘人装置液压驱动的理想安全保护电路。



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Chemical compounds

# CHEMICAL COMPOUNDS SEARCH ▾

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aspirin

Search for scaffold

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National Biblio. Data

Description

Claims

Drawings

Compounds

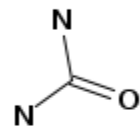
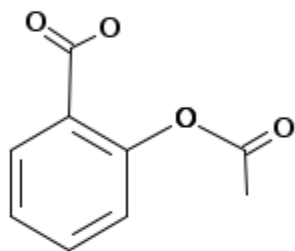
Documents

Title

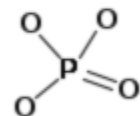
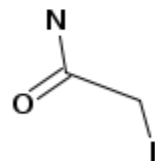
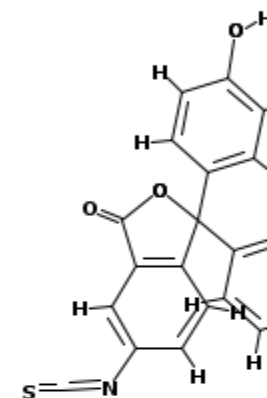
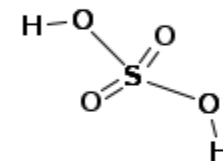
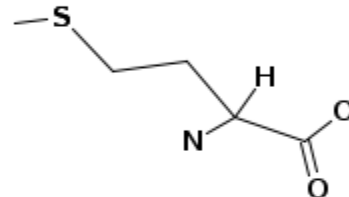
Abstract

Description

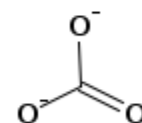
Claims



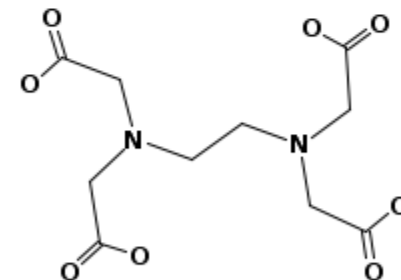
Methionine



Ca<sup>2+</sup>



Edetic acid



Na<sup>+</sup> Cl<sup>-</sup>

본 발명은 CAPRIN-1을 종양 마커로 하는 암의 검출 방법에 관한 것이다.

### 배경기술

암은 전체 사망 원인의 제 1위를 차지하는 질환이고, 현재 행해지고 있는 치료는 수술 요법을 주체로 방사선 요법과 화학 요법을 조합시킨 것이다. 지금까지의 의료 기술의 진보에 의해, 암종에 따라서는 조기 발견할 수 있으면 고칠 수 있는 가능성이 높은 질환이 되고 있다. 그 때문에, 암환자의 체력적, 경제적 부담이 없고, 간편하게 검사할 수 있는 암의 검출 방법이 요구되고 있다.

최근에는, 종양 마커 등의 종양 생산물을 측정하는 방법이 보급되어 왔다. 종양 생산물이란, 종양에 관련되는 항원, 효소, 특정 단백질, 대사산물, 종양 유전자, 종양 유전자 생산물 및 종양 억제 유전자 등을 가리키고, 암 태아성 항원 CEA, 당 단백질 CA19-9, 전립선 특이 항원 PSA, 갑상선에서 생산되는 펩티드 호르몬인 칼시토닌 등이 일부의 암에서 종양 마커로서 암진단에 활용되고 있다. 그러나, 다른 많은 암종에 있어서는 암진단에 유용한 종양 마커는 존재하지 않는다. 또한, 현재 알려져 있는 종양 마커의 대부분은 체액 중에 극히 미량(pg/mL 오더 정도)밖에 존재하지 않기 때문에, 그들을 검출하기 위해서는 고감도한 측정법이나 특수한 기술을 필요로 한다. 이러한 현재 상황 중에서, 각종 암을 간편한 조작으로 고감도로 검출할 수 있는 신규한 암 검사 수단을 제공할 수 있으면, 각종 암에 대한 진단 용도가 열린다고 기대된다.

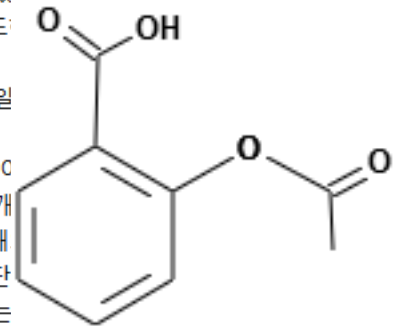
한편, 최근 새로운 수술법의 개발이나 새로운 항암제의 발견에도 불구하고, 일부 암을 제외하고 대부분의 암에서는 효과적인 암 진단 기술이 확립되어 있지 않다. 그러므로, 암을 조기에 발견할 수 없고, 암의 치료 성적은 그다지 향상되지 않은 것이 현재 상황이다.

최근, 분자생물학이나 암면역학의 진보에 의해, 암에 특이적으로 반응하는 항체나, 암화나 암의 악화에 관련되는 암 항원에 대한 분자 표적약 등, 암 항원류를 타깃으로 한 특이적 암 치료법에의 기대가 높아지고 있다. 그 중에서도, 암세포 상의 항원 단백질을 표적으로 한 암을 치료하기 위한 항체 의약이 복수 상시되어 암 치료에 사용되고 있다. 항체 의약은 암 특이적 치료약으로서 일정 약효를 얻을 수 있으므로 주목받고 있지만, 표적이 되는 항원 단백질의 대부분은 정상세포에도 발현되는 것이고, 항체 투여의 결과, 암세포뿐만 아니라 항원이 발현되는 정상세포도 장애되어버려, 그 결과 생기는 부작용이 문제가 되고 있다. 또한, 암환자에 의해 병인은 다양하기 때문에 암 치료의 효과는 개인차가 매우 크다. 예를 들면, 수술, 화학 요법 또는 방사선 요법에 있어서, 암의 진행 단계에 의해 그 치료 및 예후는 크게 좌우된다. 개체의 다양성에 의해, 동일한 암 치료약에 대해서도 개개인으로 다른 감수성을 가진다는 것이 알려져 있고, 어떤 환자에 유효한 약이 다른 환자에게도 유효하다고는 할 수 없다.

그래서, 미리 환자의 질환 관련 유전자나 단백질의 발현을 측정하고, 어떤 특정 약품이 특정 유전자 또는 단백질을 발현하고 있는 암환자에 대하여 유효할 것인지 아닌지를 평가한 후에, 그 암환자에의 치료약의 투여 결정이 이루어지고 있다. 구체적으로는, 어느 종류의 암에 대한 질환 관련 유전자나 단백질은 측정하는 검출법을 사용하여, 임상 현장에서 암환자 유래의 시료, 예를 들면 혈청이나 조직 중에 암 항원이 존재하는지 아닌지를 검사한 후에 암 항원 특이적인 치료약의 투여 결정이 이루어지고 있다. 예를 들면, 알비투스의 유효성을 예측한 후에 알비투스의 투여를 결정하고 있다. 또, 허셉틴의 적용을 결정하고 있다.

그런데, 반려동물은 가족의 일원으로서 사육되고, 기르는 주인과 동행하는 것이 알려져 있다.

대표적인 반려동물인 개는 인간과 비교하여 7배 빨리 나이를 먹는 것으로 종 등의 혼합백신이 일반적으로 보급되고, 개 파보바이러스 감염증, 개 렙토스피라병이라는 치사율이 높은 감염증이 감소했다. 그 때문에, 개 일로를 걷고 있다. 미국에서는 1년에 약 400만마리의 개가 암으로 진단기 때문에 발견이 늦어, 종양이 커지고 처음으로 주인이 알고 내원하는 때문에, 수의사가 악성이라고 판단했을 경우에는 수술하지 않고 항암 치료를 실시할 필요가 있다. 수술 후 즉시 항암제 치료를 시작하고, 경과 관찰도 짧은 간격으로 행하는 것이 바람직하다. 따라서, 암에 걸린 반려동물에 있어서도 암 치료약의 투약은 필수적이고, 어떤 종류의 암에 대한 질환 관련 유전자나 단백질을 측정하는 검출법이 존재하면, 지금까지 보다 효과적인 치료가 가능하게 되어 주인에게도 수의사에 있어서도 메리트가 크다.



다. 그 때문에, 반려동물의 암 감염에 의해, 기르는 주인이 장래 암을 발병할 위험성이 높은 것을 예측할 수 있

본에서는 약 670만마리, 또한 미국에서는 약 1764만마리라고 알려져 있다. 광견병 예방접종 이외에 5종, 7종, 8플루엔자(컨넬코프), 개 아데노바이러스 2형 감염증(컨넬코프), 개 전염성 간염, 개 코로나바이러스 감염증, 및 고령개는 전체 사육수의 35.5%를 차지하고 있다. 사망 원인도 인간과 같이 암이나 고혈압, 심장병 등이 증가의 160만마리에 어떤 종양이 있다고 알려져 있다. 그러나, 반려동물은 인간과 같이 건강진단이 보급되어 있지 않은 경우, 수술 등의 외과적 요법이나 항암제 등의 투약을 행한다 해도, 이미 너무 늦은 경우가 대부분이다. 그 수술을 행할 경우에도, 마진 확보의 크기나 수술 중의 혈액, 세포 비산 대책이라고 한 수술 중의 대책도 엄중하게

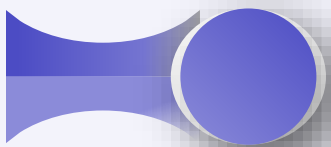
Cytoplasmic-and proliferation-associated protein 1[ CAPRIN-1]은 휴지기의 정상세포가 활성화나 세포분열을 일으킬 때에 발현되고, 또한 세포내에서 RNA와 세포내 스트레스 과립을 형성하여 mRNA의 수송, 번역의 제어에 관여하는 것 등이 알려져 있는 세포내 단백질이다. 한편으로, 본 발명자들은 유방암세포의 막 표면에 CAPRIN-1이 고발현하고 있는지, CAPRIN-1에 대한 항체가 유방암세포에 대하여 강한 항종양 효과를 발휘하는지를 밝혀냈다(특허문헌 1). 또한, 세포 표면에 발현하고 있는 CAPRIN-1에 결합하는 항체를 사용하여, 환자에 유래하는 시료 중의 CAPRIN-1의 발현을 측정함으로써, 암의 검출 및 암의 악성도를 평가할 수 있는 것이 보고되고 있다 즉, 세포막 단백질의 하나인 CAPRIN-1은 암 치료 등의 타깃이 될 수 있는 것이 기재되어 있다. 한편 상술한 바와 같이, 암환자의 다양성으로부터 CAPRIN-1을 표적으로 한 치료약, 예를 들면 항체의 투여를 결정하기 위해서는 미리 암환자 유래 시료 중의 CAPRIN-1의 발현을 검증할 필요가 있다. 그러나, 이와 같이 특이적인 치료약을 적용하기 위한 CAPRIN-1의 검출 방법에 관한 보고는 없고, 또한 암환자 시료를 사용한 암을 검출하는 시약은 존재하지 않는다.

### 선행기술문헌

#### 특허문헌

[특허문헌 0001] WO2010/016526

[특허문헌 0002] WO2010/016527



# Results

EN\_AB:("cable car" OR "cableway" OR "cable wagon"~21 OR "rope car"~21 OR "rope wagon"~21) OR FR\_AB:("téléphérique" OR "télécabine" OR "câble" OR "téléférique" OR "blondin" OR "téléphéragé")



137,926 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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< 1/1,380 >

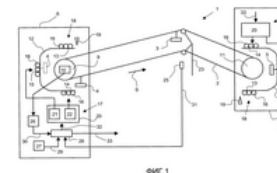
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## 1. [0002689926](#) PLANT AND METHOD FOR TRANSPORTATION OVER SUSPENSION ROPEWAY

Int.Class [B61B 12/06](#) ? Appl.No 2015136489 Applicant Inventor БАБА Матъе [FR]

FIELD: transportation. SUBSTANCE: invention relates to transportation by suspension ropeway, in particular, to transportation of people in **cable cars**. Transport installation of suspension ropeway [2] includes at least two cars [3-5], in each of which there is a detachable clamp for disconnection of car and connection of car to suspension ropeway [2]; at least one connecting device [17] of cars [3-5] with suspension ropeway [2]; and at least one bending support [23, 24, 40] of suspension ropeway [2]. At that, transport installation of suspension ropeway also contains detection facility [25-27] intended for detection of movement of the first car connected to suspension ropeway [2] through specified support [23, 24, 40], made with possibility to transfer at least one connection signal when movement is detected, and control means [28] of said connecting device [17] connected to detection means [25-27] and configured to transmit a command to connect at least one second car with suspension ropeway [2] when receiving said connection signal. EFFECT: electric power consumption of the suspension ropeway drive motor is reduced and, due to limitation of generated jerks, passenger comfort is provided. 16 cl, 5 dwg

RU - 29.05.2019

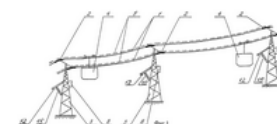


## 2. [02184665](#) AERIAL TRAMWAY

Int.Class [B61B 7/02](#) ? Appl.No 2000115152/28 Applicant Juzhno-Rossiiskij gosudarstvennyj tekhnicheskij universitet (Novocherkasskij politekhnicheskij institut) Inventor Khal'fin M.N.

FIELD: road building; tramways. SUBSTANCE: proposed aerial tramway has carrying wire **ropes** resting of shoes hinge-secured on line supports. **Cars** are installed on carrying wire **ropes**. **Cars** are moved under action of hauling wire **rope**. Aerial tramway has **car** motion stabilizer which includes hydraulic motor mechanically connected with shoe axle and hydraulic connected with control restrictor. Level is hinge-mounted on line support. Free end of lever is connected with control restrictor by kinematic tie. Lever is connected with line support by means of multiple-core spring to kill vibrations of lever. EFFECT: improved reliability of aerial tramway by adjusting torsional rigidity of shoes. 2 dwg

RU - 10.07.2002

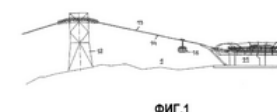


## 3. [0002723573](#) OPERATING METHOD OF SUSPENDED CABLE RAILWAY SYSTEM AND SUSPENSION CABLEWAY SYSTEM FOR IMPLEMENTATION OF OPERATION METHOD THEREOF

Int.Class [B61B 12/06](#) ? Appl.No 2019119831 Applicant Inventor МАТИС, Михаэль [AT]

FIELD: transportation. SUBSTANCE: invention relates to aerial ropeway. Method of operating suspension ropeway system with at least two stations of aerial ropeway and with at least one carrying rope [13] located between stations of suspended aerial ropeway, at least one vehicle [15] of aerial ropeway is moved by means of at least one traction cable [14]. At that, by means of at least one measuring device, transport positions of said at least one vehicle [15] of aerial ropeway along motion section are determined, said transport positions of said at least one suspension ropeway vehicle [15] along said traffic section are transmitted to a control unit and processed therein, as well as stored therein, and by means of located on said at least one support [12] suspension **cableway** device input into control unit is entered a signal that on this support [12] suspension **cableway** is maintenance work, respectively, installation work. At that, by means of control unit at approach of **cable car** [15] of aerial ropeway to suspension **rope** road [12] support drive for movement of said at least one vehicle [15] of aerial ropeway is adjusted in the sense that the suspension **cableway** vehicle [15] in the area of suspension [12] of the aerial ropeway with a speed which is considerably reduced relative to the operating speed is moved, respectively, delayed. EFFECT: as a result, safety of ropeway, including safety of installation and repair works, is increased. 4 cl, 3 dwg

RU - 16.06.2020



EN\_AB:("cable car" OR "cableway" OR "cable wagon"~21 OR "rope car"~21 OR "rope wagon"~21) OR FR\_AB:("téléphérique" OR "télécabine" OR "câble" OR "téléférique" OR "blondin" OR "téléphéragé")



137,926 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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< 1/1,380 >

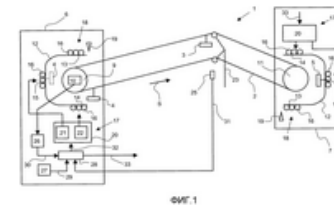
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1. **0002689928** PLANT AND METHOD FOR TRANSPORTATION OVER SUSPENSION ROPEWAY

Int.Class **B61B 10/00** ? Appl.No 2015136489 Applicant Inventor БАБА Матье (FR)

FIELD: transportation. SUBSTANCE: invention relates to transportation by suspension ropeway, in particular, to transportation of people in **cable cars**. Transport installation of suspension ropeway [2] includes at least two cars [3-5], in each of which there is a detachable clamp for disconnection of car and connection of car to suspension ropeway [2]; at least one connecting device [17] of cars [3-5] with suspension ropeway [2]; and at least one bending support [23, 24, 40] of suspension ropeway [2]. At that, transport installation of suspension ropeway also contains detection facility [25-27] intended for detection of movement of the first car connected to suspension ropeway [2] through specified support [23, 24, 40], made with possibility to transfer at least one connection signal when movement is detected, and control means [28] of said connecting device [17] connected to detection means [25-27] and configured to transmit a command to connect at least one second car with suspension ropeway [2] when receiving said connection signal. EFFECT: electric power consumption of the suspension ropeway drive motor is reduced and, due to limitation of generated jerks, passenger comfort is provided. 16 cl, 5 dwg

RU - 29.05.2019

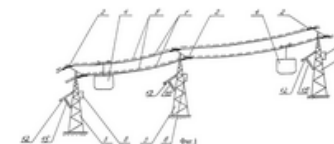


2. **02184665** AERIAL TRAMWAY

Int.Class **B61B 7/02** ? Appl.No 2000115152/28 Applicant Juzhno-Rossijskij gosudarstvennyj tekhnicheskij universitet (Novocherkasskij politekhnicheskij institut) Inventor Khal'fin M.N.

FIELD: road building; tramways. SUBSTANCE: proposed aerial tramway has carrying wire **ropes** resting of shoes hinge-secured on line supports. **Cars** are installed on carrying wire **ropes**. **Cars** are moved under action of hauling wire **rope**. Aerial tramway has **car** motion stabilizer which includes hydraulic motor mechanically connected with shoe axle and hydraulic connected with control restrictor. Level is hinge-mounted on line support. Free end of lever is connected with control restrictor by kinematic tie. Lever is connected with line support by means of multiple-core spring to kill vibrations of lever. EFFECT: improved reliability of aerial tramway by adjusting torsional rigidity of shoes. 2 dwg

RU - 10.07.2002

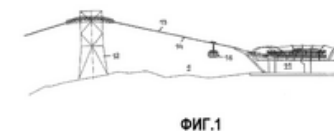


3. **0002723573** OPERATING METHOD OF SUSPENDED CABLE RAILWAY SYSTEM AND SUSPENSION CABLEWAY SYSTEM FOR IMPLEMENTATION OF OPERATION METHOD THEREOF

Int.Class **B61B 12/06** ? Appl.No 2019119831 Applicant Inventor МАТИС, Михаэль (AT)

FIELD: transportation. SUBSTANCE: invention relates to aerial ropeway. Method of operating suspension ropeway system with at least two stations of aerial ropeway and with at least one carrying rope [13] located between stations of suspended aerial ropeway, at least one vehicle [15] of aerial ropeway is moved by means of at least one traction cable [14]. At that, by means of at least one measuring device, transport positions of said at least one vehicle [15] of aerial ropeway along motion section are determined, said transport positions of said at least one suspension ropeway vehicle [15] along said traffic section are transmitted to a control unit and processed therein, as well as stored therein, and by means of located on said at least one support [12] suspension **cableway** device input into control unit is entered a signal that on this support [12] suspension **cableway** is maintenance work, respectively, installation work. At that, by means of control unit at approach of **cable car** [15] of aerial ropeway to suspension **rope** road [12] support drive for movement of said at least one vehicle [15] of aerial ropeway is adjusted in the sense that the suspension **cableway** vehicle [15] in the area of suspension [12] of the aerial ropeway with a speed which is considerably reduced relative to the operating speed is moved, respectively, delayed. EFFECT: as a result, safety of ropeway, including safety of installation and repair works, is increased. 4 cl, 3 dwg

RU - 16.06.2020





# 5. WO2016177877 - VEHICLE FOR AN ENDLESS CABLEWAY



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

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

## Publication Number

WO/2016/177877

## Publication Date

10.11.2016

## International Application No.

PCT/EP2016/060175

## International Filing Date

06.05.2016

## IPC

B61B 12/00 2006.1

## CPC

B61B 12/002

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A 280/2015 06.05.2015 AT

## Publication Language

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## Filing Language

German [de]

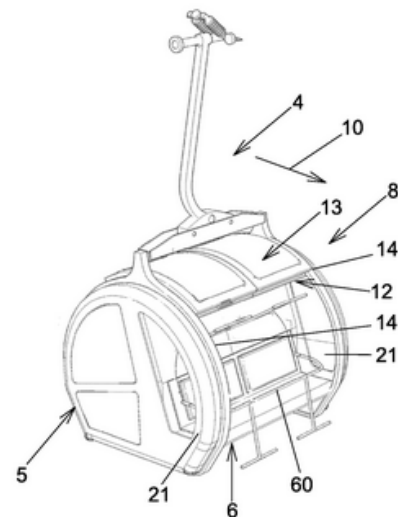
## Title

**[DE]** FAHRZEUG FÜR EINE UMLAUFSEILBAHN

**[EN]** VEHICLE FOR AN ENDLESS CABLEWAY

**[FR]** VÉHICULE POUR UN TÉLÉPHÉRIQUE À CÂBLE SANS FIN

Fig. 3



## Abstract

**[DE]** Fahrzeug [1] für eine **Umlaufseilbahn**, welches mit einem umlaufenden Zug- oder Förderseil [2] der **Umlaufseilbahn** in eine Fahrrichtung [10] transportierbar ist, umfassend eine Fahrgasteinheit [8] zur Aufnahme von Fahrgästen, eine Klemmvorrichtung [3] zur Verbindung des Fahrzeugs [1] mit einem umlaufenden Zug- oder Förderseil [2] der **Umlaufseilbahn** und ein Gehänge [4], an welchem die Fahrgasteinheit [8] angebracht ist und welches mit der Klemmvorrichtung [3] verbunden ist, wobei die Fahrgasteinheit [8] mindestens ein, insbesondere zumindest bereichsweise durchsichtig ausgebildetes, Schiebeelement [12, 13] aufweist, welches im Bereich von gegenüberliegenden Rändern von Schiebeführungen [14, 14', 15, 15'] verschiebbar geführt ist. Die Schiebeführungen [14, 14', 15, 15'] verlaufen bogenförmig und das Schiebeelement [12, 13] ist zwischen einer heruntergeschobenen Schließstellung und einer hinaufgeschobenen Offenstellung verschiebbar.

**[EN]** Vehicle [1] for an endless **cableway**, said vehicle [1] being transportable in a direction of travel [10] by way of an endless traction or conveying cable [2] of the endless **cableway**, comprising a passenger unit [8] for accommodating passengers, a clamping device [3] for connecting the vehicle [1] to a circulating traction or conveying cable [2] of the endless **cableway** and a suspension means [4] to which the passenger unit [8] is attached and which is connected to the clamping device [3], wherein the passenger unit [8] has at least one sliding element [12, 13] that is configured in particular at least regionally in a transparent manner, said sliding element [12, 13] being guided in a slidable manner in the region of opposite edges of sliding guides [14, 14', 15, 15']. The sliding guides [14, 14', 15, 15'] extend in an arcuate manner and the sliding element [12, 13] is slidable between a pushed-down **closed position** and a pushed-up **open position**.

EN\_AB:("cable car" OR "cableway" OR "cable wagon"~21 OR "rope car"~21 OR "rope wagon"~21) OR FR\_AB:("téléphérique" OR "télécabine" OR "câble" OR "téléférique" OR "blondin" OR "téléphéragé")

137,926 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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Relevance

Pub Date Desc

Pub Date Asc

App Date Desc

App Date Asc

100

10

50

100

200

Simple

Double

All

All+Image

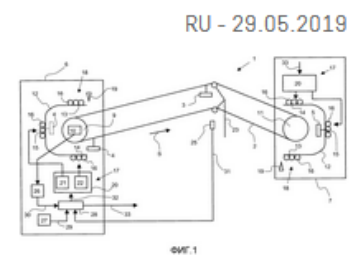
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### OVER SUSPENSION ROPEWAY

inventor БАБА Матъе (FR)

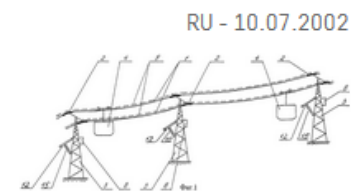
suspension ropeway, in particular, to transportation of people in cable cars. Transport installation of suspension ropeway [2] includes at least one connecting device [17] of cars [3-5] with suspension ropeway [2]. At that, transport installation of suspension ropeway also contains detection facility [25-27] intended for detection of specified support [23, 24, 40], made with possibility to transfer at least one connection signal when movement is detected, and control facility [25-27] and configured to transmit a command to connect at least one second car with suspension ropeway [2] when receiving said connection signal. EFFECT: electric power consumption of the ropeway drive motor is reduced and, due to limitation of generated jerks, passenger comfort is provided. 16 cl, 5 dwg



### 2. 02184665 AERIAL TRAMWAY

Int.Class B61B 7/02 Appl.No 2000115152/28 Applicant Juzhno-Rossiiskij gosudarstvennyj tekhnicheskij universitet (Novocherkasskij politekhnicheskij institut) Inventor Khal'fin M.N.

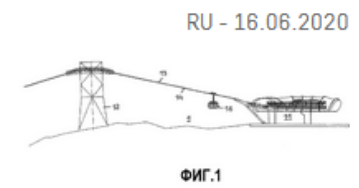
FIELD: road building; tramways. SUBSTANCE: proposed aerial tramway has carrying wire ropes resting of shoes hinge-secured on line supports. Cars are installed on carrying wire ropes. Cars are moved under action of hauling wire rope. Aerial tramway has car motion stabilizer which includes hydraulic motor mechanically connected with shoe axle and hydraulic connected with control restrictor. Level is hinge-mounted on line support. Free end of lever is connected with control restrictor by kinematic tie. Lever is connected with line support by means of multiple-core spring to kill vibrations of lever. EFFECT: improved reliability of aerial tramway by adjusting torsional rigidity of shoes. 2 dwg



### 3. 0002723573 OPERATING METHOD OF SUSPENDED CABLE RAILWAY SYSTEM AND SUSPENSION CABLEWAY SYSTEM FOR IMPLEMENTATION OF OPERATION METHOD THEREOF

Int.Class B61B 12/06 Appl.No 2019119831 Applicant Inventor МАТИС, Михаэль (AT)

FIELD: transportation. SUBSTANCE: invention relates to aerial ropeway. Method of operating suspension ropeway system with at least two stations of aerial ropeway and with at least one carrying rope [13] located between stations of suspended aerial ropeway, at least one vehicle [15] of aerial ropeway is moved by means of at least one traction cable [14]. At that, by means of at least one measuring device, transport positions of said at least one vehicle [15] of aerial ropeway along motion section are determined, said transport positions of said at least one suspension ropeway vehicle [15] along said traffic section are transmitted to a control unit and processed therein, as well as stored therein, and by means of located on said at least one support [12] suspension cableway device input into control unit is entered a signal that on this support [12] suspension cableway is maintenance work, respectively, installation work. At that, by means of control unit at approach of cable car [15] of aerial ropeway to suspension rope road [12] support drive for movement of said at least one vehicle [15] of aerial ropeway is adjusted in the sense that the suspension cableway vehicle [15] in the area of suspension [12] of the aerial ropeway with a speed which is considerably reduced relative to the operating speed is moved, respectively, delayed. EFFECT: as a result, safety of ropeway, including safety of installation and repair works, is increased. 4 cl, 3 dwg



EN\_AB:("cable car" OR "cableway" OR "cable wagon"~21 OR "rope car"~21 OR "rope wagon"~21) OR FR\_AB:("téléphérique" OR "télécabine" OR "câble" OR "téléférique" OR "blondin" OR "téléphérage")



137,926 results

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1. [00026899](#)

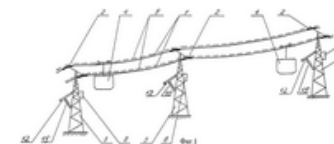
Int.Class [B61B 1](#)

FIELD: transport: least two cars [3] ropeway [2]; and movement of the means [28] of sa connection signa

2. [02184665](#) AERIAL TRAMWAY

Int.Class [B61B 7/02](#) Appl.No 2000115152/28 Applicant Juzhno-Rossiiskij gosudarstvennyj tekhnicheskij universitet (Novocherkasskij politekhnicheskij institut) Inventor Khal'fin M.N.

FIELD: road building; tramways. SUBSTANCE: proposed aerial tramway has carrying wire **ropes** resting of shoes hinge-secured on line supports. **Cars** are installed on carrying wire **ropes**. **Cars** are moved under action of hauling wire **rope**. Aerial tramway has **car** motion stabilizer which includes hydraulic motor mechanically connected with shoe axle and hydraulic connected with control restrictor. Level is hinge-mounted on line support. Free end of lever is connected with control restrictor by kinematic tie. Lever is connected with line support by means of multiple-core spring to kill vibrations of lever. EFFECT: improved reliability of aerial tramway by adjusting torsional rigidity of shoes. 2 dwg



RU - 10.07.2002

3. [0002723573](#) OPERATING METHOD OF SUSPENDED CABLE RAILWAY SYSTEM AND SUSPENSION CABLEWAY SYSTEM FOR IMPLEMENTATION OF OPERATION METHOD THEREOF

Int.Class [B61B 12/06](#) Appl.No 2019119831 Applicant Inventor МАТИС, Михаэль (АТ)

FIELD: transportation. SUBSTANCE: invention relates to aerial ropeway. Method of operating suspension ropeway system with at least two stations of aerial ropeway and with at least one carrying rope [13] located between stations of suspended aerial ropeway, at least one vehicle [15] of aerial ropeway is moved by means of at least one traction cable [14]. At that, by means of at least one measuring device, transport positions of said at least one vehicle [15] of aerial ropeway along motion section are determined, said transport positions of said at least one suspension ropeway vehicle [15] along said traffic section are transmitted to a control unit and processed therein, as well as stored therein, and by means of located on said at least one support [12] suspension **cableway** device input into control unit is entered a signal that on this support [12] suspension **cableway** is maintenance work, respectively, installation work. At that, by means of control unit at approach of **cable car** [15] of aerial ropeway to suspension **rope** road [12] support drive for movement of said at least one vehicle [15] of aerial ropeway is adjusted in the sense that the suspension **cableway** vehicle [15] in the area of suspension [12] of the aerial ropeway with a speed which is considerably reduced relative to the operating speed is moved, respectively, delayed. EFFECT: as a result, safety of ropeway, including safety of installation and repair works, is increased. 4 cl, 3 dwg



RU - 16.06.2020

ФИГ.1

EN\_AB:("cable car" OR "cableway" OR "cable wagon"~21 OR "rope car"~21 OR "rope wagon"~21) OR FR\_AB:("téléphérique" OR "télécabine" OR "câble" OR "téléférique" OR "blondin" OR "téléphéragé")



137,926 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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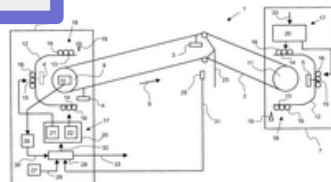
is stored by

### 1. [0002689928](#) PLANT AND METHOD FOR TRANSPORTATION OVER SUSPENSION ROPEWAY

Int.Class [B61B 12/06](#) Appl.No 2015136489 Applicant Inventor БАБА Матье (FR)

FIELD: transportation. SUBSTANCE: invention relates to transportation by suspension ropeway, in particular, to transportation of people in **cable cars**. Transport installation of suspension ropeway [2] includes at least two cars [3-5], in each of which there is a detachable clamp for disconnection of car and connection of car to suspension ropeway [2]; at least one connecting device [17] of cars [3-5] with suspension ropeway [2]; and at least one bending support [23, 24, 40] of suspension ropeway [2]. At that, transport installation of suspension ropeway also contains detection facility [25-27] intended for detection of movement of the first car connected to suspension ropeway [2] through specified support [23, 24, 40], made with possibility to transfer at least one connection signal when movement is detected, and control means [28] of said connecting device [17] connected to detection means [25-27] and configured to transmit a command to connect at least one second car with suspension ropeway [2] when receiving said connection signal. EFFECT: electric power consumption of the suspension ropeway drive motor is reduced and, due to limitation of generated jerks, passenger comfort is provided. 16 cl, 5 dwg

RU - 29.05.2019



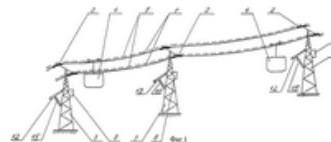
Фиг.1

### 2. [02184665](#) AERIAL TRAMWAY

Int.Class [B61B 7/02](#) Appl.No 2000115152/28 Applicant Juzhno-Rossijskij gosudarstvennyj tekhnicheskij universitet (Novocherkasskij politekhnicheskij institut) Inventor Khal'fin M.N.

FIELD: road building; tramways. SUBSTANCE: proposed aerial tramway has carrying wire **ropes** resting of shoes hinge-secured on line supports. **Cars** are installed on carrying wire **ropes**. **Cars** are moved under action of hauling wire **rope**. Aerial tramway has **car** motion stabilizer which includes hydraulic motor mechanically connected with shoe axle and hydraulic connected with control restrictor. Level is hinge-mounted on line support. Free end of lever is connected with control restrictor by kinematic tie. Lever is connected with line support by means of multiple-core spring to kill vibrations of lever. EFFECT: improved reliability of aerial tramway by adjusting torsional rigidity of shoes. 2 dwg

RU - 10.07.2002



Фиг.1

### 3. [0002723573](#) OPERATING METHOD OF SUSPENDED CABLE RAILWAY SYSTEM AND SUSPENSION CABLEWAY SYSTEM FOR IMPLEMENTATION OF OPERATION METHOD THEREOF

Int.Class [B61B 12/06](#) Appl.No 2019119831 Applicant Inventor МАТИС, Михаэль (AT)

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RU - 16.06.2020



Фиг.1

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137,926 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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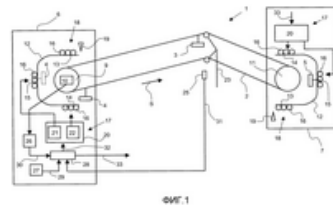
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### 1. [0002689928](#) PLANT AND METHOD FOR TRANSPORTATION OVER SUSPENSION ROPEWAY

RU - 29.05.2019

Int.Class [B61B 12/06](#) Appl.No 2015136489 Applicant Inventor БАБА Матье (FR)

FIELD: transportation. SUBSTANCE: invention relates to transportation by suspension ropeway, in particular, to transportation of people in **cable cars**. Transport installation of suspension ropeway [2] includes at least two cars [3-5], in each of which there is a detachable clamp for disconnection of car and connection of car to suspension ropeway [2]; at least one connecting device [17] of cars [3-5] with suspension ropeway [2]; and at least one bending support [23, 24, 40] of suspension ropeway [2]. At that, transport installation of suspension ropeway also contains detection facility [25-27] intended for detection of movement of the first car connected to suspension ropeway [2] through specified support [23, 24, 40], made with possibility to transfer at least one connection signal when movement is detected, and control means [28] of said connecting device [17] connected to detection means [25-27] and configured to transmit a command to connect at least one second car with suspension ropeway [2] when receiving said connection signal. EFFECT: electric power consumption of the suspension ropeway drive motor is reduced and, due to limitation of generated jerks, passenger comfort is provided. 16 cl, 5 dwg

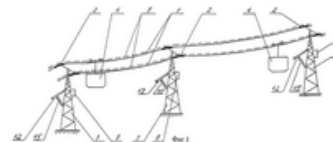


### 2. [02184665](#) AERIAL TRAMWAY

RU - 10.07.2002

Int.Class [B61B 7/02](#) Appl.No 2000115152/28 Applicant Juzhno-Rossijskij gosudarstvennyj tekhnicheskij universitet (Novocherkasskij politekhnicheskij institut) Inventor Khal'fin M.N.

FIELD: road building; tramways. SUBSTANCE: proposed aerial tramway has carrying wire **ropes** resting of shoes hinge-secured on line supports. **Cars** are installed on carrying wire **ropes**. **Cars** are moved under action of hauling wire **rope**. Aerial tramway has **car** motion stabilizer which includes hydraulic motor mechanically connected with shoe axle and hydraulic connected with control restrictor. Level is hinge-mounted on line support. Free end of lever is connected with control restrictor by kinematic tie. Lever is connected with line support by means of multiple-core spring to kill vibrations of lever. EFFECT: improved reliability of aerial tramway by adjusting torsional rigidity of shoes. 2 dwg

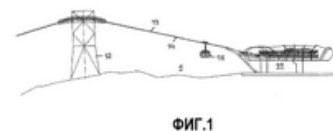


### 3. [0002723573](#) OPERATING METHOD OF SUSPENDED CABLE RAILWAY SYSTEM AND SUSPENSION CABLEWAY SYSTEM FOR IMPLEMENTATION OF OPERATION METHOD THEREOF

RU - 16.06.2020

Int.Class [B61B 12/06](#) Appl.No 2019119831 Applicant Inventor МАТИС, Михаэль (AT)

FIELD: transportation. SUBSTANCE: invention relates to aerial ropeway. Method of operating suspension ropeway system with at least two stations of aerial ropeway and with at least one carrying rope [13] located between stations of suspended aerial ropeway, at least one vehicle [15] of aerial ropeway is moved by means of at least one traction cable [14]. At that, by means of at least one measuring device, transport positions of said at least one vehicle [15] of aerial ropeway along motion section are determined, said transport positions of said at least one suspension ropeway vehicle [15] along said traffic section are transmitted to a control unit and processed therein, as well as stored therein, and by means of located on said at least one support [12] suspension **cableway** device input into control unit is entered a signal that on this support [12] suspension **cableway** is maintenance work, respectively, installation work. At that, by means of control unit at approach of **cable car** [15] of aerial ropeway to suspension **rope** road [12] support drive for movement of said at least one vehicle [15] of aerial ropeway is adjusted in the sense that the suspension **cableway** vehicle [15] in the area of suspension [12] of the aerial ropeway with a speed which is considerably reduced relative to the operating speed is moved, respectively, delayed. EFFECT: as a result, safety of ropeway, including safety of installation and repair works, is increased. 4 cl, 3 dwg





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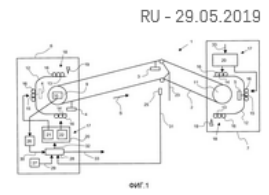
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< 1/1.275 ▾ >

### 1. [0002689928](#) PLANT AND METHOD FOR TRANSPORTATION OVER SUSPENSION ROPEWAY

Int.Class [B61B 12/06](#) [?](#) Appl.No 2015136489 Applicant Inventor БАБА Матье (FR)

FIELD: transportation. SUBSTANCE: invention relates to transportation by suspension ropeway, in particular, to transportation of people in **cable cars**. Transport installation of suspension ropeway [2] includes at least two cars [3-5], in each of which there is a detachable clamp for disconnection of car and connection of car to suspension ropeway [2]; at least one



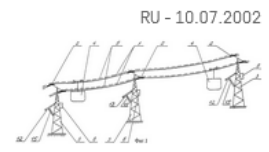
RU - 29.05.2019

### 2. [02184665](#) AERIAL TRAMWAY

Int.Class [B61B 7/02](#) [?](#) Appl.No 2000115152/28

Applicant Juzhno-Rossijskij gosudarstvennyj tekhnicheskij universitet (Novocherkasskij politekhnicheskij institut) Inventor Khal'fin M.N.

FIELD: road building; tramways. SUBSTANCE: proposed aerial tramway has carrying wire **ropes** resting of shoes hinge-secured on line supports. **Cars** are installed on carrying wire **ropes**. **Cars** are moved under action of hauling wire **rope**. Aerial tramway has **car** motion stabilizer which includes hydraulic motor mechanically connected with shoe axle and hydraulic connected

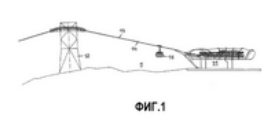


RU - 10.07.2002

### 3. [0002723573](#) OPERATING METHOD OF SUSPENDED CABLE RAILWAY SYSTEM AND SUSPENSION CABLEWAY SYSTEM FOR IMPLEMENTATION OF OPERATION METHOD THEREOF

Int.Class [B61B 12/06](#) [?](#) Appl.No 2019119831 Applicant Inventor МАТИС, Михаэль (AT)

FIELD: transportation. SUBSTANCE: invention relates to aerial ropeway. Method of operating suspension ropeway system with at least two stations of aerial ropeway and with at least one carrying rope [13] located between stations of suspended aerial ropeway, at least one vehicle [15] of aerial ropeway is moved by means of at least one traction cable [14]. At that, by means



RU - 16.06.2020

### 4. [3292033](#) VEHICLE FOR AN ENDLESS CABLEWAY

Int.Class [B61B 12/00](#) [?](#) Appl.No 16722142 Applicant INNOVA PATENT GMBH Inventor EILER AUGUST

Vehicle [1] for an endless **cableway**, said vehicle [1] being transportable in a direction of travel [10] by way of an endless traction or conveying cable [2] of the endless **cableway**, comprising a passenger unit [8] for accommodating passengers, a



EP - 14.03.2018

## 1. RU0002689928 - PLANT AND METHOD FOR TRANSPORTATION OVER SUSPENSION ROPEWAY

National Biblio. Data Description Claims Drawings Patent Family

PermaLink Machine translation ▾

#### Office

Russian Federation

#### Application Number

2015136489

#### Application Date

27.08.2015

#### Publication Number

0002689928

#### Publication Date

29.05.2019

#### Grant Number

#### Grant Date

29.05.2019

#### Publication Kind

C2

#### IPC

[B61B 12/06](#) [B61B 7/04](#) [B61B 12/04](#)

#### CPC

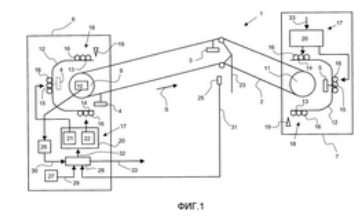
[B61B 12/06](#) [Y02T 30/00](#) [B61B 7/04](#)  
[B61B 12/04](#)

#### Inventors

БАБА МАТЬЕ

#### Title

**[EN]** PLANT AND METHOD FOR TRANSPORTATION OVER SUSPENSION ROPEWAY  
**[RU]** УСТАНОВКА И СПОСОБ ДЛЯ ТРАНСПОРТИРОВКИ ПО ПОДВЕСНОЙ КАНАТНОЙ ДОРОГЕ



#### Abstract

**[EN]** FIELD: transportation. SUBSTANCE: invention relates to transportation by suspension ropeway, in particular, to transportation of people in **cable cars**. Transport installation of suspension ropeway [2] includes at least two cars [3-5], in each of which there is a detachable clamp for disconnection of car and connection of car to suspension ropeway [2]; at least one connecting device [17] of cars [3-5] with suspension ropeway [2]; and at least one bending support [23, 24, 40] of suspension ropeway [2]. At that, transport installation of suspension ropeway also contains detection facility [25-27] intended for detection of movement of the first car connected to suspension ropeway [2] through specified support [23, 24, 40], made with possibility to transfer at least one connection signal when movement is detected, and control means [28] of said connecting device [17] connected to detection means [25-27] and configured to transmit a command to connect at least one second car with suspension ropeway [2] when receiving said connection signal. EFFECT: electric power consumption of the suspension ropeway drive motor is reduced and, due to limitation of generated jerks, passenger comfort is provided. 16 cl, 5 dwg

**[RU]** Изобретение относится к транспортировке по **подвесной канатной дороге**, в частности к транспортировке людей в **вагонах канатных дорог**. Транспортная установка **подвесной канатной дороги** [2] содержит по меньшей мере два **вагона** [3-5], в каждом из которых предусмотрен отсоединяемый зажим для отсоединения **вагона** и соединения **вагона** с **подвесной канатной дорогой** [2]; по меньшей мере одно соединительное устройство [17] **вагона** [3-5] с **подвесной канатной дорогой** [2]; и по меньшей мере одну изгибающую опору [23, 24, 40] **подвесной канатной дороги** [2]. При этом транспортная установка **подвесной канатной дороги** также содержит средство [25-27] обнаружения перемещения первого вагона, соединенного с **подвесной канатной дорогой** [2] через указанную опору [23, 24, 40], выполненное с возможностью передачи по меньшей мере одного сигнала соединения, когда обнаружено перемещение, и средства [28] управления указанного соединительного устройства [17], соединенного со средством [25-27] обнаружения перемещения и выполненное с возможностью передачи команды на соединение по меньшей мере одного второго вагона с **подвесной канатной дорогой** [2] при получении указанного сигнала соединения. ЭФФЕКТ: уменьшено потребление электрической энергии привода мотора **подвесной канатной дороги** и, вследствие ограничения генерируемых рывков, повышено удобство пассажира. 16 кл., 5 рис.

EN\_AB:("cable car" OR "cableway" OR "cable wagon"~21 OR "rope car"~21 OR "rope wagon"~21) OR FR\_AB:("téléphérique" OR "télécabine" OR "câble" OR "téléférique" OR "blondin" OR "téléphéragé")



37,926 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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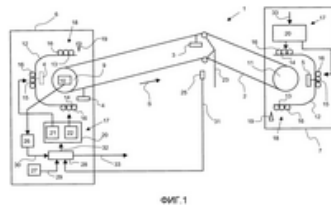
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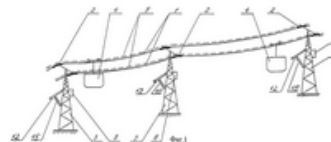


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RU - 10.07.2002

Int.Class [B61B 7/02](#) Appl.No 2000115152/28 Applicant Juzhno-Rossijskij gosudarstvennyj tekhnicheskij universitet (Novocherkasskij politekhnicheskij institut) Inventor Khal'fin M.N.

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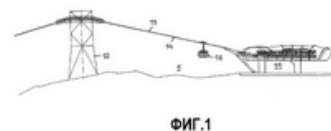


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# ANALYSIS

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Countries		Offices		Applicants		IPC code		CPC code		Publication Dates		Kind code	
PCT	56,160	PCT	56,160	MITSUBISHI ELECTRIC CO	1,239	H01R	11,253	h01r	6,294	1993	1,414	A	62,156
European Patent Office	29,878	European Patent Office	35,255	SIEMENS AG	896	H02G	10,641	h02g	5,488	1994	1,459	B1	27,646
France	17,045	China	23,470	KONE CO	842	H01B	8,630	g02b	4,571	1995	1,529	A1	15,981
China	10,048	United States of America	17,752	BRIDGESTONE CO	753	G02B	7,873	h01b	4,448	1996	1,717	U	5,619
Russian Federation	4,120	France	17,045	SUMITOMO WIRING SYSTEMS LTD	750	B66B	7,780	y10t	3,339	1997	2,108	A4	4,456
Japan	2,177	Canada	6,570	SUMITOMO ELECTRIC INDUSTRIES LTD	691	A61B	4,084	a61b	2,579	1998	2,228	C1	1,567
Russian Federation(USSR data)	1,876	Russian Federation	6,222	YAZAKI CO	639	B61B	3,905	y02e	2,328	1999	2,296	B2	1,533
Canada	1,682	Republic of Korea	6,040	NEXANS	596	H04L	3,481	h04l	2,308	2000	2,698	A2	1,484
Spain	764	Japan	5,166	HITACHI LTD	586	E21B	3,334	h04n	2,066	2001	2,823	B	1,469
United States of America	632	Germany	3,343	ADC TELECOMMUNICATIONS INC	495	H04B	3,199	e21b	1,980	2002	3,009	U1	1,137
Republic of Korea	566	India	2,863	COMMSCOPE TECH LLC	492	H04N	3,127	h04b	1,978	2003	2,950	C	961
United Kingdom	484	Brazil	2,669	AUTONETWORKS TECH LTD	462	F16L	3,012	g06f	1,746	2004	3,095	C2	902
Portugal	353	Mexico	1,959	INNOVA PATENT GMBH	452	G06F	2,920	g01r	1,474	2005	3,046	T3	748
Germany	189	Russian Federation(USSR data)	1,876	HUAWEI TECH CO LTD	444	G01R	2,552	b60r	1,436	2006	3,026	A3	452
Eurasian Patent Organization	169	United Kingdom	1,529	PRYSMIAN SPA	406	B60R	2,471	f16l	1,416	2007	3,456	B3	359
Australia	157	Norway	1,432	HALLIBURTON ENERGY SERVICES INC	371	E01D	2,466	h05k	1,398	2008	3,884	E	352
Brazil	138	New Zealand	862	PEUGEOT CITROEN	369	B66C	2,315	h02j	1,339	2009	3,980	Y	181
Poland	127	Spain	841			B60C	2,064	b66b	1,210	2010	4,028	B8	154
						B63B	2,029	y02t	1,104	2011	4,261	B9	42



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  - Applicants
  - Inventors
  - IPC code
  - CPC code
  - Publication Dates
  - Filing Dates
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  - Application Date
  - Publication Numer
  - Publication Date
  - Country Code
  - Title
  - Abstract
  - IPC
  - Applicants
  - Inventors
  - Priority Data
  - National Phase Entries
  - Image

	Offices	Applicants	Inventors	IPC code	CPC code	Publication Dates	Kind code
United States of America	1,372	GENENTECH INC 91	RIEL-MEHAN, MICHAEL 20	G01N 2,905	c12q 1/6886 1,599	2007 91	A 1,788
PCT	922	NOVARTIS AG 73	ZHANG ZHEN 20	C12Q 2,733	c12q 2600/158 1,019	2008 147	A1 1,261
China	730	THE JOHNS HOPKINS UNIVERSITY 70	NAKAMURA YUSUKE 18	A61K 982	g01n 621	2009 179	B2 421
European Patent Office	807	DANA FARBER CANCER INSTITUTE INC 89	DAIGO YATARO 18	C12N 884	a61p 35/00 809	2010 188	B1 402
Canada	427	SOMALOGIC INC 80	GOLD, LARRY 18	C07K 574	c12q 520	2011 249	NPL 361
Republic of Korea	398		JEDDELOH JEFFREY A. 18	A61P 423	c12q 2600/118 472	2012 288	B 162

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The present invention relates to a PVC plastisol composition comprising: at least one vinyl chloride polymer selected from polyvinyl chloride and a copolymer of vinyl chloride and one or more monomers; at least one plasticizer; at least one epoxy resin; and at least one isocyanate resin blocked with cardanol. The PVC-plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short time at 100°C-200°C and is unique in storage stability. Additionally, it provides excellent rheological properties with improved yield value and viscosity stability during application as compared to nonylphenol blocked isocyanate PVC leather adhesion promoters.

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The PVC - plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short time at 100 ° C -200 ° C and is unique in storage stability

the pvc-plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short **period of time** at 100°C -200°C and is unique in storage stability

the pvc plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short time at 100°C -200°C and is unique in storage stability

**the pvc plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short period of time at 100°C -200°C and is unique in storage stability**

the pvc-plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoat **by** heat treatment for a short time at 100°C -200°C and is unique in storage stability

the pvc-plastisol composition of the present invention provides strong adhesion to **the** surfaces of various metals or various metal undercoats by heat treatment for a short time at 100°C -200°C and is unique in storage stability

the pvc-plastisol composition of the present invention provides strong adhesion to **the surface** of various metals or various metal undercoats by heat treatment for a short time at 100°C -200°C and is unique in storage stability

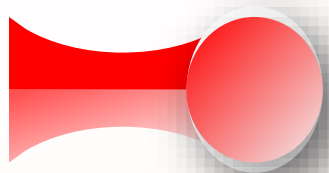
the pvc-**based** plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short time at 100°C -200°C and is unique in storage stability

the pvc-plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short time at 100°C -200° c() and is unique in storage stability

the pvc-plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short **period of time at 100°C -200° c,** and is unique in storage stability

the pvc-plastisol composition of the present invention provides strong adhesion to surfaces of various metals or various metal undercoats by heat treatment for a short time at 100 °C -200 °C, and is unique in storage stability

**the pvc plastisol composition of the present invention provides strong**



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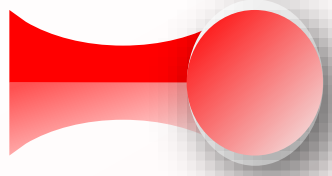
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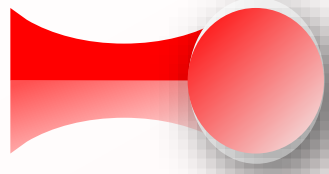
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▶ VEHICLES IN GENERAL		
▶ VEHICLES OTHER THAN RAIL VEHICLES		
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PCT Application/Publication Number

Inventor/Applicant Name




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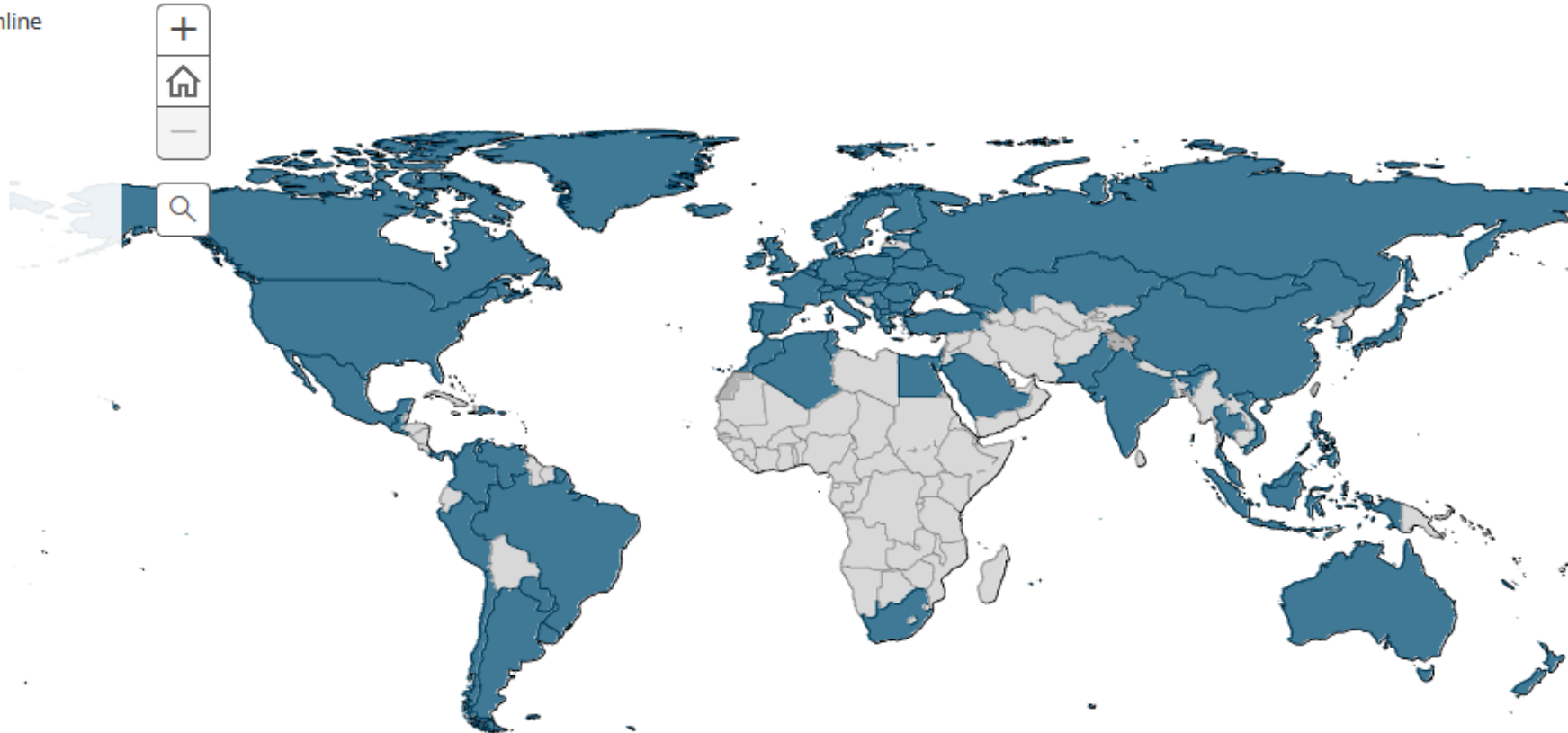
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Title	Kind	Appl.No	IPC	Applicant
1. <a href="#">WO/2022/232851</a> METHOD FOR PRODUCING A COMPOSITE ELEMENT, AND COMPOSITE ELEMENT	Initial Publication with ISR[A1]	AT2021/060158	E04B 5/38	TERKL, Hans-Ulrich
2. <a href="#">WO/2022/232852</a> FURNITURE FITTING AND METHOD FOR FASTENING A FURNITURE FITTING	Initial Publication with ISR[A1]	AT2022/060103	E05D 5/04	JULIUS BLUM GMBH
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5. <a href="#">WO/2022/232855</a> CUTTING ELEMENT	Initial Publication with ISR[A1]	AT2022/060144	B23B 27/04	CERATIZIT AUSTRIA GESELLSCHAFT M.B.H.
6. <a href="#">WO/2022/232856</a> TIPPING PAPER WITH NANO-EMBOSSING	Initial Publication with ISR[A1]	AT2022/060150	D21H 19/66	TANNPAPIER GMBH
7. <a href="#">WO/2022/232857</a> EJECTION DEVICE FOR FOOD SLICING MACHINES HAVING A CHAIN FRAME	Initial Publication with ISR[A1]	AT2022/060152	B26D 7/18	S.A.M. INNOVATIONS GMBH & CO KG

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<input type="checkbox"/>	<a href="#">A61P 35/00</a> ⓘ	<u>101</u>	<u>90</u>	<u>100</u>	<u>123</u>	<u>87</u>	<u>501</u>	-36	-16.50
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<input type="checkbox"/>	<a href="#">H04W 72/12</a> ⓘ	<u>63</u>	<u>15</u>	<u>14</u>	<u>14</u>	<u>30</u>	<u>136</u>	+16	+3.50
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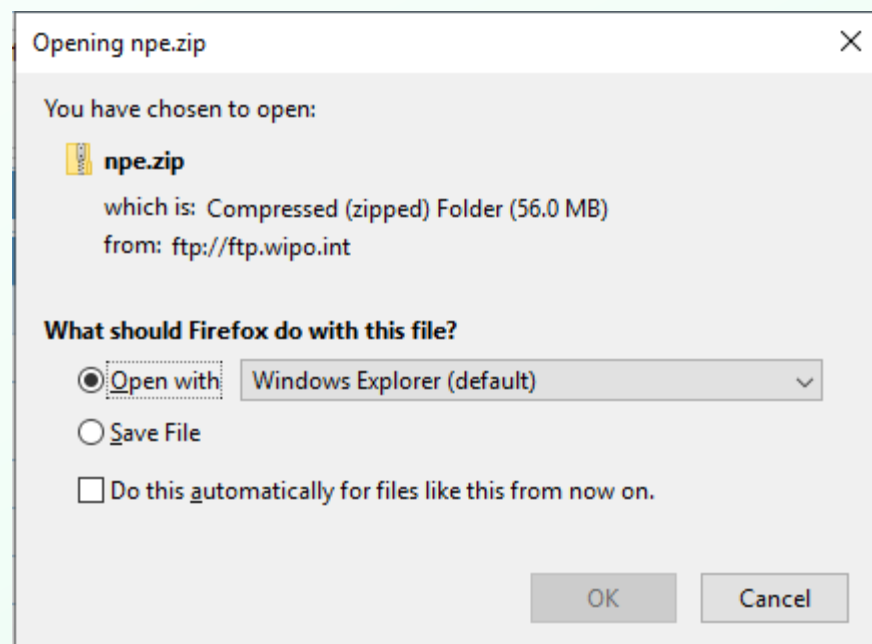
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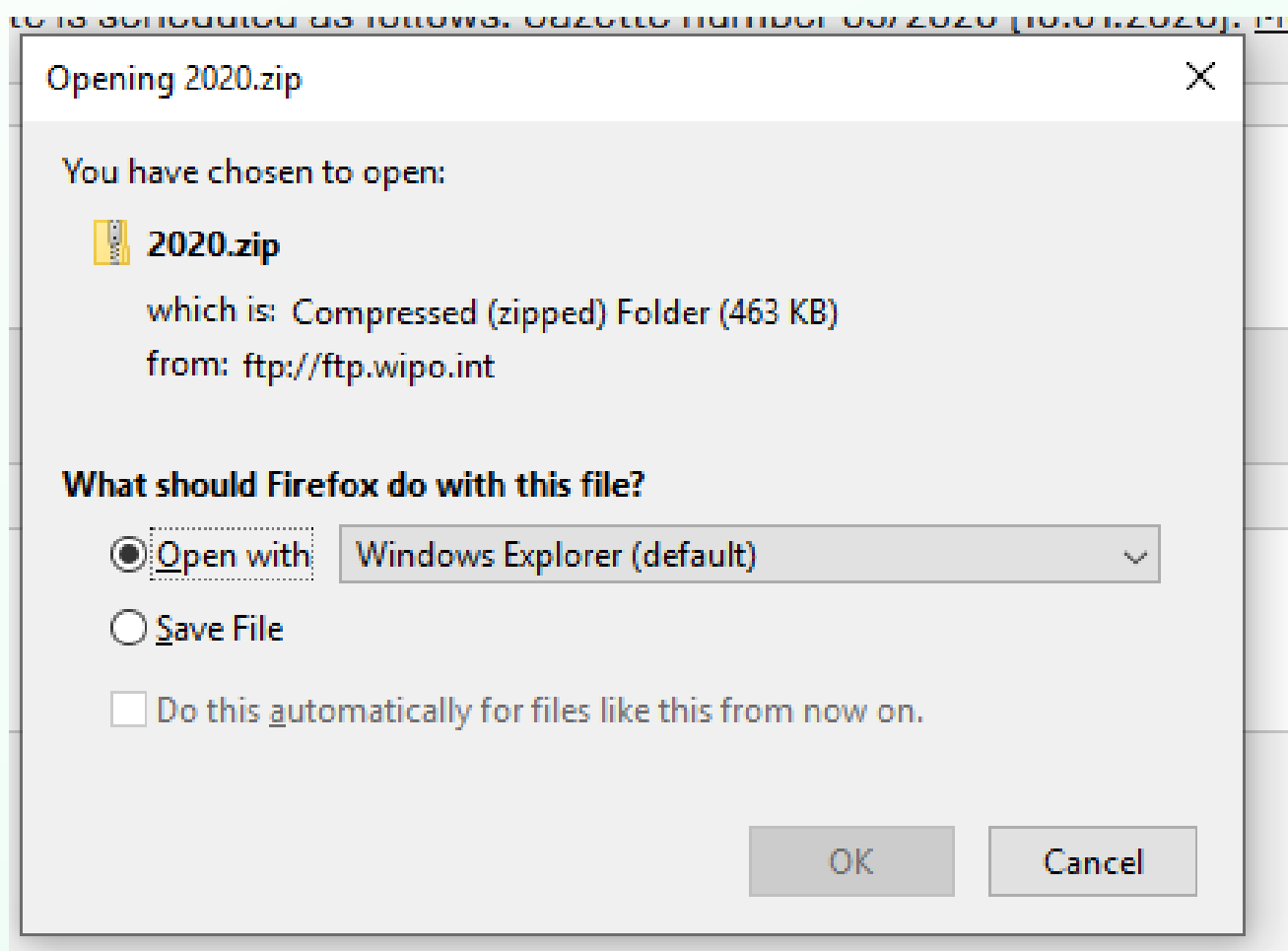
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  - IN201917051844: ELECTRIC CAR (31 Jan 2020)
  - RU94023130: ELECTRIC CAR (27 Nov 1996)
  - CN101474959: Electric car (08 Jul 2009)
  - JP1994105593: ELECTRIC CAR (15 Apr 1994)
- GLOBAL BRAND DATABASE:** A search interface for 'Search Global Brands' with instructions: 'Search by Brand name, Applicant/Holder name, Application/Registration number'.
- WIPO PEARL TERM SEARCH:** A search interface with fields for 'Enter your term here', 'Source language: All', and 'Target language: All'.
- WORLD CLOCK:** A widget for time zone information.



- ENGLISH
- ENGLISH
- FRANÇAIS
- DEUTSCH
- ESPAÑOL
- PORTUGUÊS
- РУССКИЙ
- 日本語
- 中文
- 한국어
- عربي

- SESSION QUERIES
- SAVED QUERIES
- MARKUSH BATCHES
- LOGOUT

[coverage information](#)

# Help

Covid-19 Update X

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Feedback Goto Search

CONTACT US

FAQs

FORUM

PATENTSCOPE HELP

TERMS OF USE

PRIVACY POLICY

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scheduled for 21.01.2021. [More](#)



Query Examples



# HELP

## HOW TO SEARCH

- [User's Guide](#)
- [Query Syntax](#)
- [Fields Definition](#)
- [IPC/CPC classification fields](#)
- [Wildcard vs Stemming](#)
- [Tutorials](#)
- [Tips And Tricks](#)
- [Practical exercises](#)
- [Webinars](#)

## PATENTSCOPE NEWS

- [National Collection of Matla now Available in Patentscope](#) [Oct 5, 2022]
- [New NPL Content Available In PATENTSCOPE](#) [Sep 7, 2022]
- [National Collection of Switzerland Now Available in PATENTSCOPE](#) [Jun 20, 2022]
- [New RSS feed in PATENTSCOPE](#) [May 19, 2022]
- [National Collection of Austria Now Available in PATENTSCOPE](#) [May 2, 2022]

# LATEST NEWSLETTER

▶ 17.02.2022 - [WIPO webinar] Overview of PATENTSCOPE

## DATA COVERAGE

- [PCT applications](#)
- [PCT national phase entry](#)
- [National collections](#)
- [Global Dossier public](#)
- [Chemical documents](#)
- [Standard ST37 Authority Definition File](#)

## CODES

- [INID codes](#)
- [Kind codes](#)
- [Country Code](#)

## ABOUT

Version 1.6.11-SNAPSHOT

# NATIONAL COLLECTIONS - DATA COVERAGE

Offices for which PCT national phase information is available

Updated: November 16, 2022

Country	Latest Biblio	Update Frequency	Biblio Data	Abstract	Chemical Data	Chemical indexed	Doc images	OCR (full-text) Indexed	Nb records
PCT	16.11.2022	Daily	19.10.1978 - 10.11.2022	19.10.1978 - 10.11.2022	11.01.1979 - 10.11.2022	922,695	4,454,228	<b>Total:</b> 4,448,697 Arabic: 200 German: 426,940 English: 2,488,047 Spanish: 29,822 French: 144,088 Japanese: 746,627 Korean: 153,585 Portuguese: 6,068 Russian: 22,457 Chinese: 430,863	4,454,228
<div style="border: 2px solid red; padding: 10px; width: fit-content; margin: 0 auto;"> <p><b>PCT: 4,454,228</b></p> <p><b>Offices: 102,964,836</b></p> <p><b>Overall: 107,419,064</b></p> </div>									
African Regional Intellectual Property Organization [ARIPO]			03.07.1985 - 28.07.2008	03.07.1985 - 28.07.2008			1,676	<b>Total:</b> 1,671 English: 1,671	1,868
Argentina	04.11.2022	Monthly	11.02.1965 - 26.10.2022	31.10.1990 - 26.10.2022			9,741	<b>Total:</b> 8,906 Spanish: 8,906	173,540
Australia	14.11.2022	Weekly	14.01.1900 - 27.10.2022	08.01.1981 - 27.10.2022				<b>Total:</b> 723,056 English: 723,056	1,833,553
Austria	16.09.2022	Monthly	10.07.1963 - 15.09.2022	25.06.1986 - 15.09.2022				<b>Total:</b> 10,373 German: 10,373	675,836

# Future/past webinars:

[wipo.int/patentscope/en/webinar](https://wipo.int/patentscope/en/webinar)

## PATENTSCOPE Webinars

WIPO offers free online seminars (webinars) to deliver information, training and updates on the [PATENTSCOPE Search System](#). If you or your organization are interested in a webinar on a specific topic, please [contact us](#).

### Register for upcoming webinars

[Overview of PATENTSCOPE](#)

November 17, 2022 (English) 08:30 - 09:30 Geneva time

[Online registration](#)

[Retrospective of 2022 and plans for 2023](#)

December 6, 2022 (English) 17:30 - 18:30 Geneva time

[Online registration](#)

[Retrospective of 2022 and plans for 2023](#)

December 8, 2022 (English) 08:30 - 09:30 Geneva time

[Online registration](#)

[All PATENTSCOPE webinars](#)



# Practical exercises online

https://patentscope.wipo.int/search/en/help/help.jsf



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PATENTSCOPE

HELP



ENGLISH

LOGIN

Feedback Search ▾ Brov

[HOW TO SEARCH](#) [NEWS](#) [DATA COVERAGE](#) [CODES](#) [ABOUT](#)

## HELP

### HOW TO SEARCH

- [User's Guide](#)
- [Query Syntax](#)
- [Fields Definition](#)
- [IPC/CPC classification fields](#)
- [Wildcard vs Stemming](#)
- [Tutorials](#)
- [Tips And Tricks](#)
- [Practical exercises](#)
- [Webinars](#)

[CONTACT US](#)

[FAQs](#)

[FORUM](#)

[PATENTSCOPE HELP](#)

[TERMS OF USE](#)

[PRIVACY POLICY](#)

# PATENTSCOPE PRACTICAL EXERCISES

This query `EN_AB:(electri* OR electrica* OR electrici* OR support* OR stand* or carry* OR foundat* OR electron*)` cannot be run in PATENTSCOPE why?

- The use of the operator OR is incorrect
- The use of the parentheses is incorrect
- There are too many wildcards

Which query will return results for the search term solar or the combination of search terms wind/turbine in the English description?

- `EN_DE:(solar OR (wind AND turbine))`
- `EN_DE:(solar OR wind AND turbine)`
- `EN_DE:(solar OR ((wind AND turbine)))`

# Practical exercises: booklet



6. Which query will return the most relevant results for the object in the picture below?



7. Documents about what type of ovens will not be included in the result list with the query below:



## II. FIELD EXERCISES

- Which field/s should you use to:
  - retrieve documents in Japanese
  - search information in all the parts of Chinese documents
  - look for a precise IPC code
  - look for an applicant
  - retrieve information in the Spanish claims
  - search for all the information related to national phase entry data?
  - search information in the text in French
  - retrieve kind codes
- What is the difference between:
  - The field IC and the field IC\_EX?
  - The field EN\_ALL and the field EN\_ALLTXT
  - The columns (highlighted in yellow) below Countries and Offices in the Analysis

## Solutions

### I. OPERATOR EXERCISES

- B**  
A query with the operator OR will return documents having the keyword tennis or the keyword ball or both keywords.
- AND; OR; ANDNOT; NOT; BEFORE; NEAR**
- No**: query A will return documents having both keyword electric and bicycle with no more than 9 words between them and query B will return documents having the keyword electric before bicycle with no more than 9 words between the 2 keywords. In query B the order of words is taken into account whereas in query A the order is not relevant.
- To search for an exact term or phrase, use quotation marks.
- The operator NEAR allow to make sure that 2 keywords or more are close to each other in the result list. If no number is specified after near, the default maximum number of words is 5, the equivalent of NEAR5.
- Query A as the operator NEAR makes sure that the 2 keywords appear close to each other, in this case no more than 4 words in between the 2 keywords.
- Documents about microwave ovens will not be included.

### II. FIELD EXERCISES

- retrieve documents in Japanese: **JA** (JA\_AB; JA\_TI...)
  - search information in all the parts of Chinese documents: **ZH\_ALL**
  - look for a precise IPC code: **IC\_EX**
  - look for an applicant: **PAA** (all data); **PA** (name)
  - retrieve information in the Spanish claims: **ES\_CL**
  - search for all the information related to national phase entry data: **NPA**
  - search information in the text in French: **FR\_ALLTXT**
  - retrieve latest kind codes: **DTY**
- The field **IC** and the field **IC\_EX**?  
IC = International Patent Classification including sub-groups  
IC\_EX = Specific international Patent Classification
  - The field **EN\_ALL** and the field **EN\_ALLTXT**  
EN\_ALL = English All → all parts in English including Applicant, Inventors etc.  
EN\_ALLTXT = English All Text → English text parts of the document such as description, claim, abstract
  - The columns **Countries** and **Offices** in the Analysis in the result list  
Countries = national collections  
Offices = national collections + PCT applications entering into national phase in those countries
- NPCC:CN AND NPED:CN-2020\***
- IC:(C10L1/00) AND PCN:DE**
- ISA:US**
- AN:PL2019\***

# Global Brand Database, Global Design Database

Webinars:

■ <https://www.wipo.int/reference/en/branddb/webinar/index.html>

■ <https://www.wipo.int/reference/en/designdb/webinar/index.html>





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