

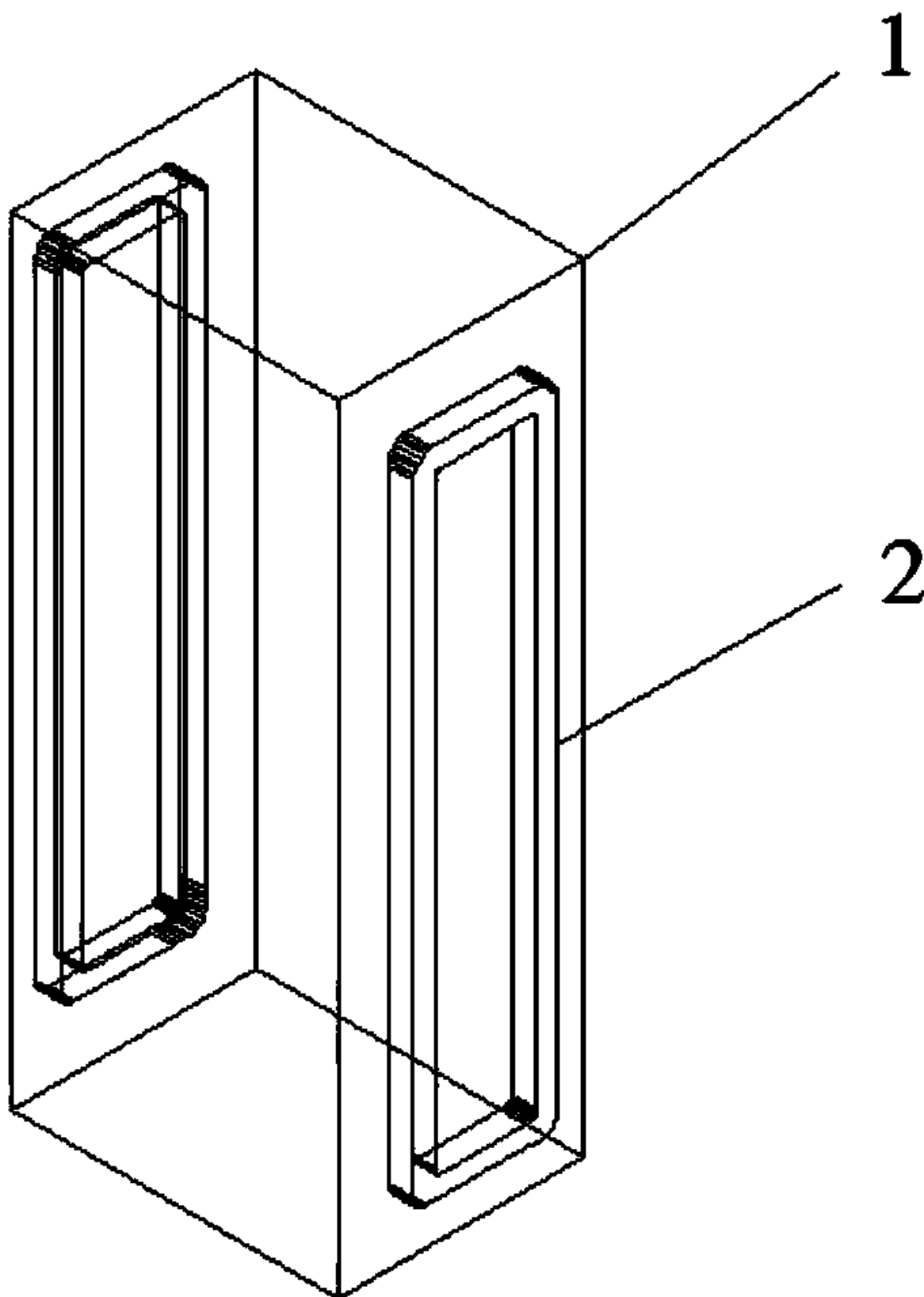
19 Documents

Publication numbers	Title	Current assignees
CN204812738U U	Vertical lift cabinet	CHEN MIN
KR101145145 B1	Locker having locking and unlocking functions for master that does not need to unlock or destroy a latch or door to open the door which lock is set	WOODMETAL
CN205259795U U	Full -automatic safe box intercommunication interconnected systems	NINGBO CHAOPING INTELLIGENT TECHNOLOGY
CN207291863U U	Coat stand of automobile	WUHU SHANGWEI AUTO DECORATION
EP2387526 A1	Variable offset positioning antenna array for enhanced guidance of automated guided vehicles (agvs)	BOOMERANG SYSTEMS
CN204489757U U	Lift type storage cabinet	ZHU YUEPING
CN104670779 A	Lift type storage cabinet	ZHU YUEPING
CN103566522 A	Multifunctional strengthening heightening training machine	ZHAO DELI
CN2705437U Y	Locking device for preventing falling of hoist article	OU JIALE, ...
US20150159423 A1	Assembly having liftable lid and movable hinge module thereof	LITE ON, ...
CN2332662U Y	Over-lidding sealed storage pot	XU XING
WO9732505 A1	Receiving portion lifting and supporting device	PANASONIC
CN102275706 A	Horizontal-moving movable frame delivery device	JIANGSU XUNJIE HARNESS TECHNOLOGY
CN109507107 A	Testing equipment for pulling force of baby diaper magic buckles	JIANGXI MARVEL CONSUMER PRODUCTS
CN105604438 A	Full-automatic safe deposit box interconnection system	NINGBO CHAOPING INTELLIGENT TECHNOLOGY
CN204124646U U	Rotary type large object storage rack	LI XINYA
CN208469852U U	Coal mine transportation dolly	YANGMEI SHOUYANG KAIYUAN MINING
CN105751930 A	Head massaging seat special for high-speed rails, automobiles and airplanes	Huang Zhiyong
CN104042039 A	Intelligent storage cabinet based on MCU	ZHEJIANG UNIVERSITY

Family 1/19 - FAMPAT - ©Questel

Title

(CN204812738U)

Vertical **lift** cabinet**Images****Publication numbers with kind code & date**[CN204812738](#)

U

2015-12-02

CN204812738U

**Abstract**

(CN204812738)

The utility model provides a vertical **lift** cabinet, including box, **locker**, circular orbit and **rotation** piece, circular orbit fixes the setting symmetrically and is in the both sides of box, rotate the piece sets up symmetrically the both sides of **locker** to connect rather than rotating through the axle, the **locker** passes through rotate with circular orbit sliding connection. The beneficial effects of the utility model are that when having stacked a lot of clothings in the cupboard, it is hard to take out a ten minutes from the bottom, and the clothing at top falls easily simultaneously, causes unnecessary troublesome, and this device divide into unit independent one by one with the wardrobe is inside, and the position of each **locker** can be adjusted at this moment as required in the removal that can circulate again of every unit, so setting up to have made things convenient for and getting **article** such as putting the clothing, this device of more importantly is different from other wardrobes, has increased the interest of using, the structure that can reciprocate simultaneously reduces to ascend a height gets the risk of thing.

Inventors

CHEN MIN

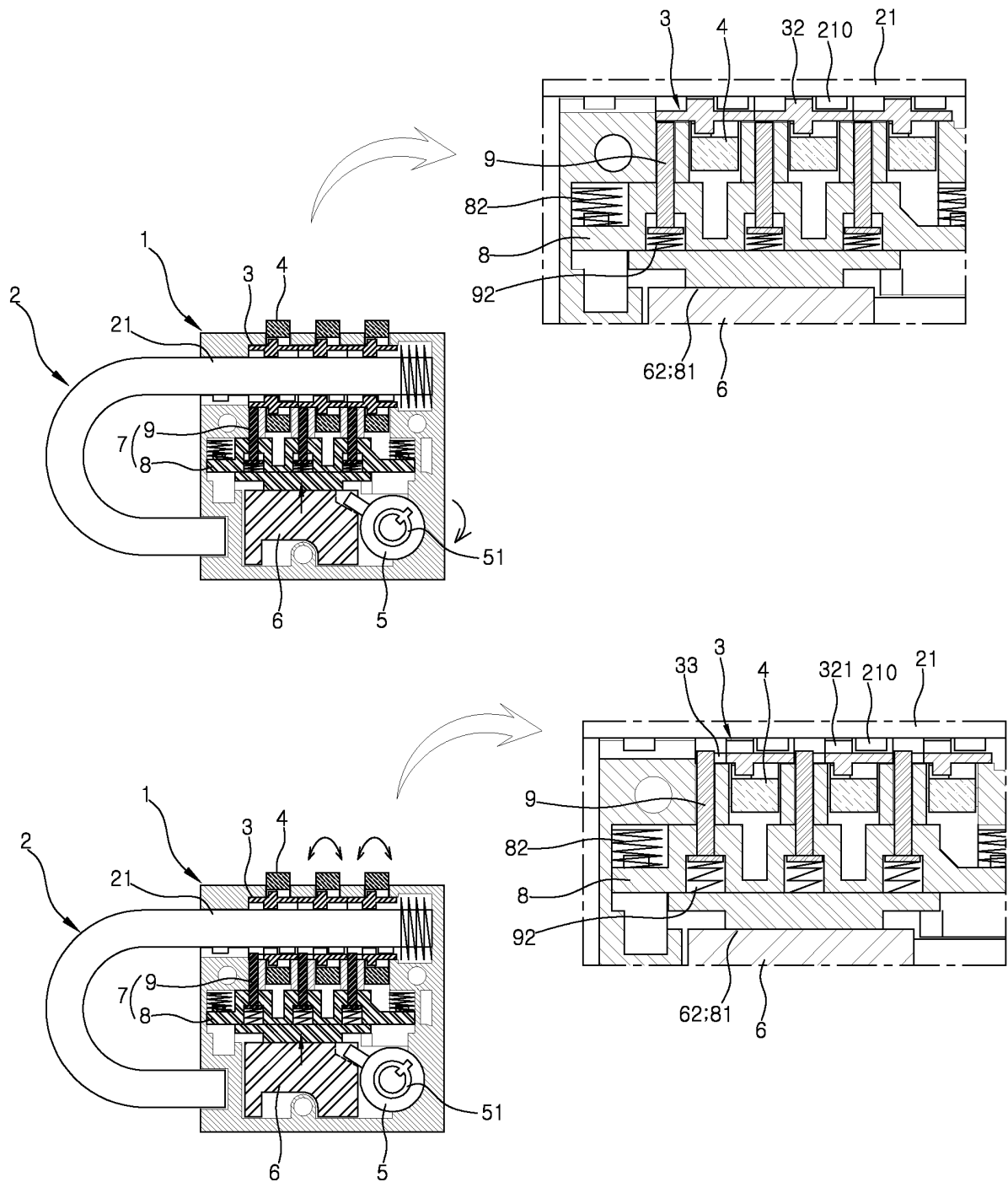
Family 2/19 - FAMPAT - ©Questel

Title

(KR101145145)

Locker having locking and unlocking functions for master that does not need to unlock or destroy a latch or door to open the door which lock is set

Images

**Publication numbers with kind code & date**

KR101145145

B1 2012-05-14

KR101145145

**Abstract**

(KR101145145)

PURPOSE: A **locker** having locking and unlocking functions for master is provided to easily manage a common **locker** by conveniently initializing password or unlocking the **locker** when a user forgets the password or not available to be reached for long time.

CONSTITUTION: A **locker** having locking and unlocking functions for master comprises a body(1), a latch(2), a plurality of rotating tables(3), and a plurality of number wheels(4). One side insertion end part(21) of the latch is axis-installed in the body and moved to an axial direction so that the latch maintains locked or unlocked states. The plurality of rotating tables is inserted and joined to the insertion end part of the latch. The plurality of number wheels is respectively inserted and joined to the outer circumferences of the each rotating table and rotates the rotating tables.

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Inventors

KIM, CHOON-SOO

Latest standardized assignees - inventors removed

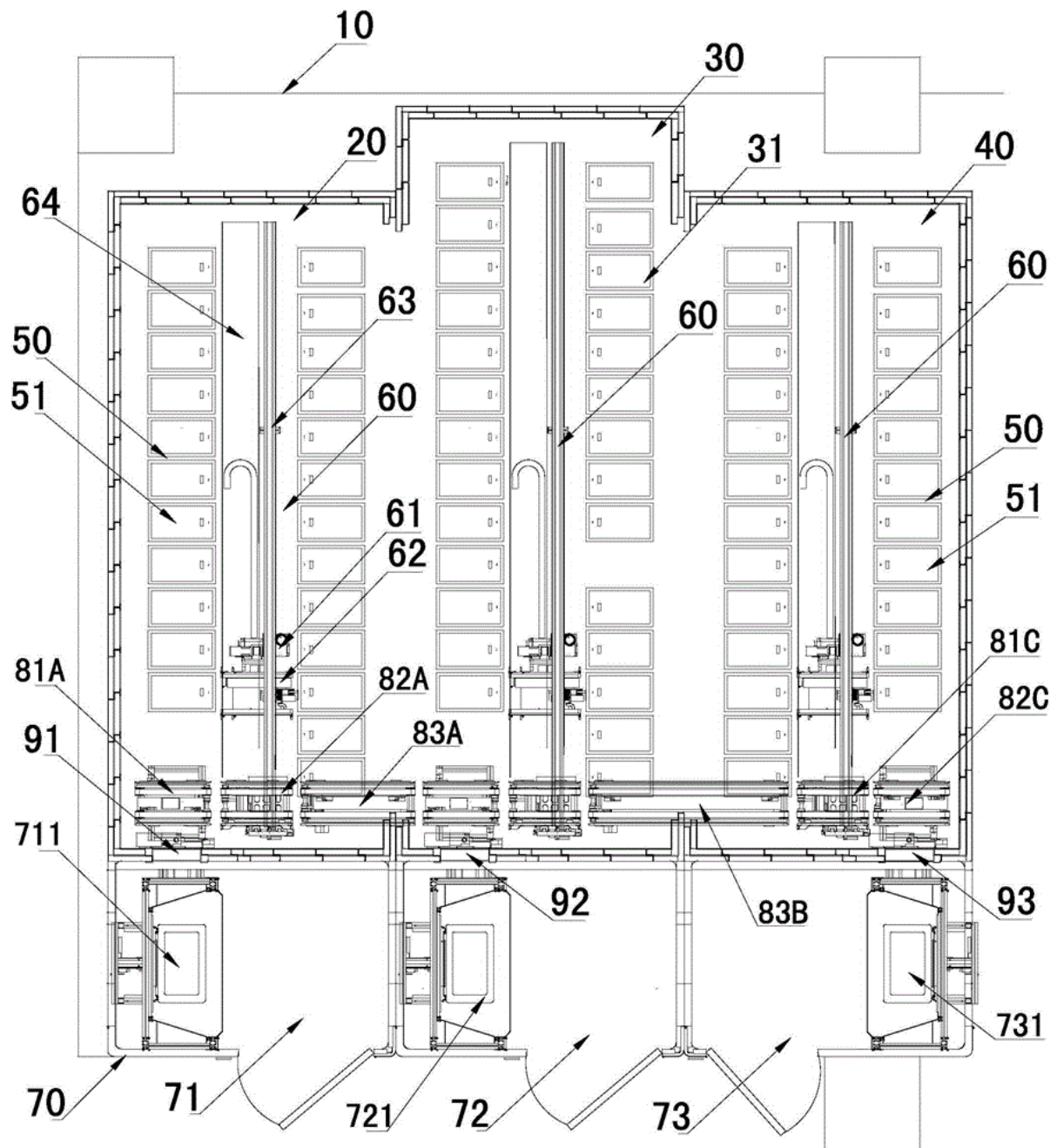
WOODMETAL

Family 3/19 - FAMPAT - ©Questel

Title

(CN205259795U)

Full -automatic safe box intercommunication interconnected systems

Images**Publication numbers with kind code & date**[CN205259795](#)

U

2016-05-25

[CN205259795U](#)**Abstract**

(CN205259795)

The utility model discloses a full -automatic safe box intercommunication interconnected systems is equipped with in a plurality of box goods shelves pipe reservoir areas and a plurality of corresponding access management operations and sees the thing district in the safe box box, each accesses management operations and sees and establish access management operations terminal in the thing district, and each accesses management operations and sees that the thing district is rather than the electronic emergency exit in passway that is equipped with box business **turn** over in the storing in

corresponding between the box goods shelves pipe reservoir area, being equipped with in rotatory letter sorting transfer passage, **lift** interface transfer passage, the storehouse transfer passage in each in box goods shelves pipe reservoir area and getting a box manipulator, each transfer passage refutes mutually in proper order and connects, and transfer passage carries to plug into and accomplishes in adjacent in the storing between the box goods shelves pipe reservoir area box and carry every storehouse in, rotatory letter sorting transfer passage through the electronic emergency exit in passway with access management operations and see the operation panel transfer passage of thing in distinguishing refutes mutually and connect. Can arbitrary access management operations terminal carrying out the storing to arbitrary storage box goods shelves and looking into the extract operation, the safe box storage looks into that to get management operations efficient, and administrative cost is lower.

Inventors

XU YIPING

Latest standardized assignees - inventors removed

NINGBO CHAOPING INTELLIGENT TECHNOLOGY

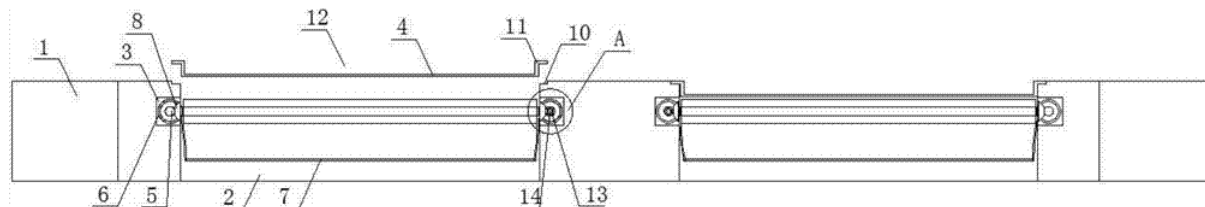
Family 4/19 - FAMPAT - ©Questel

Title

(CN207291863U)

Coat stand of automobile

Images



Publication numbers with kind code & date

[CN207291863](#)

U

2018-05-01

CN207291863U



Abstract

(CN207291863)

The utility model discloses a coat stand of automobile, including the hat rack body, it leads to the groove to be equipped with square storing on the hat rack body, all be equipped with the mounting groove around the logical groove of square storing, be equipped with **lift** storing device and storage lid in the mounting groove, **lift** storing device includes axis of **rotation**, rolling area and square bottom plate, the axis of **rotation** is passed through the bearing frame and is rotated the setting in the mounting groove, the both ends of axis of **rotation** are equipped with bevel gear, intermeshing between the bevel gear, the rolling roll coil of strip is around in the axis of **rotation**, rolling area one end is fixed to be set up in the axis of **rotation**, the fixed four sides that set up at square bottom plate of the other end, the utility model discloses place in the trunk of car, **lift** storing device can change storing space, comes the different needs of adaptation.

Inventors

CHEN WEI

WANG MING

Latest standardized assignees - inventors removed

WUHU SHANGWEI AUTO DECORATION

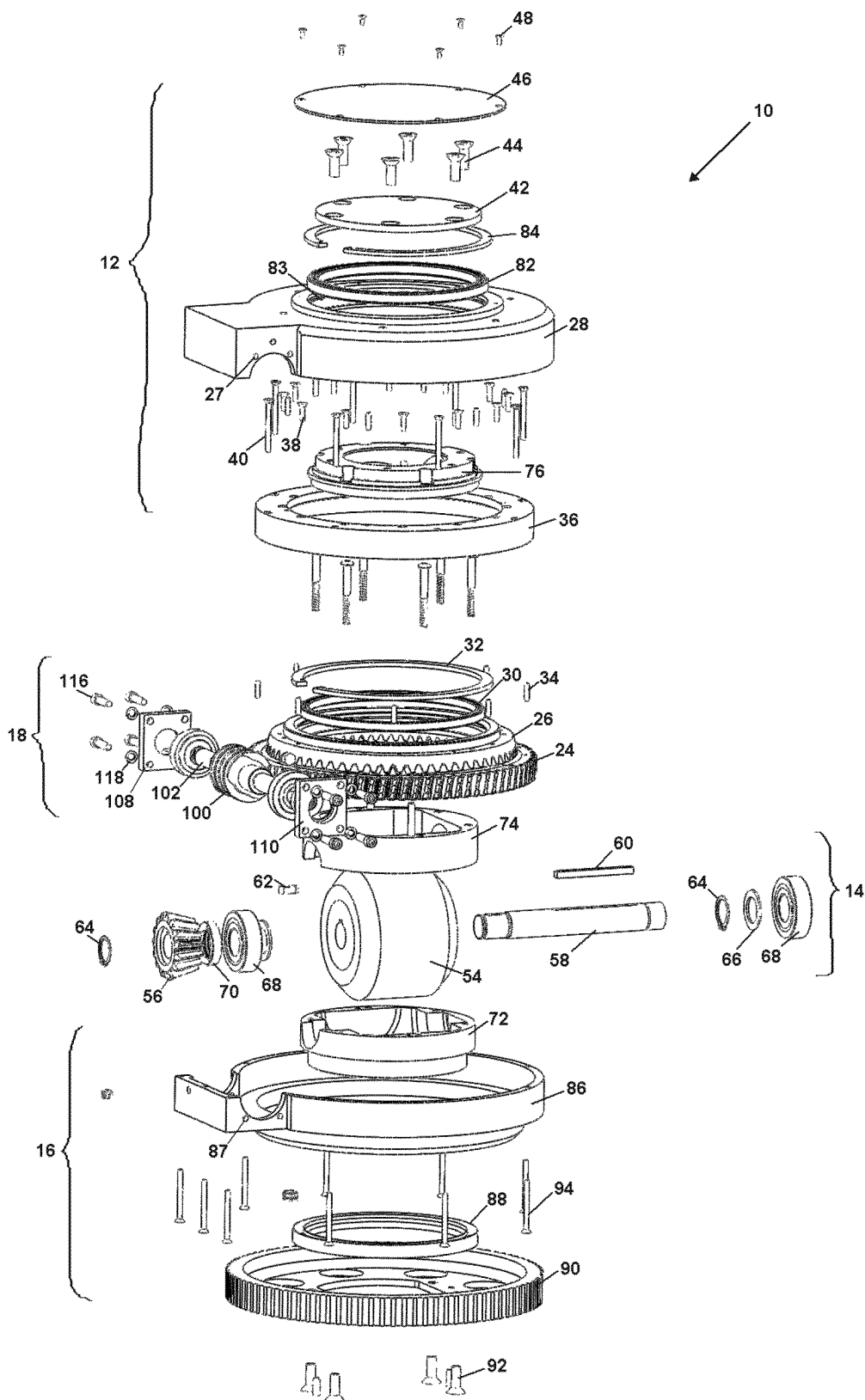
Family 5/19 - FAMPAT - ©Questel

Title

(EP2387738)

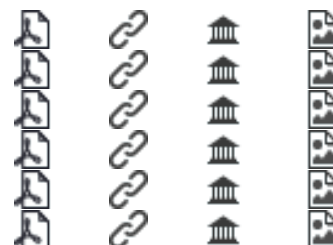
Variable offset positioning antenna array for enhanced guidance of automated guided vehicles (agvs)

Images



Publication numbers with kind code & date

EP2387539	B1	2019-12-11	EP2387539
EP2387526	B1	2019-08-14	EP2387526
EP2770394	B1	2019-08-07	EP2770394
EP2387539	A4	2018-06-06	EP2387539
EP2770394	A3	2017-11-08	EP2770394
EP2387526	A4	2017-10-18	EP2387526



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CA2749509	C	2017-08-22	CA2749509				
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CN102341322	B	2014-08-13	CN102341322B				
EP2387738	B1	2014-07-09	EP2387738				
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US20100185353	A1	2010-07-22	US20100185353				
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WO2010/083473	A1	2010-07-22	WO201083473				
WO2010/083474	A2	2010-07-22	WO201083474				

Abstract

(EP2387738)

A Variable Offset Positioning Antenna Array for Enhanced Guidance of Automated Guided Vehicles (AGVs) in automated warehousing or storage systems for automobiles or the like, includes two or more inductor coils producing output as a result of interaction with a guidance wire located in or near the surface of the floor which is energized by a frequency generator, and an on board programmable microprocessor which processes the coil output to determine an exact position of the antenna array relative to the guidance wire. In one embodiment, the antenna array enables an AGV to follow a guidance wire at an offset to the direction of travel in order to allow automated storage and retrieval systems to handle asymmetrical items, such as automobiles, more efficiently and cost effectively by decreasing the building space required for travel aisles, vertical conveyors and storage locations as well as decreasing total individual item processing time.

Inventors

BARWICK STOTT

SWASEY MERIN

BEENY LANCE

PETERSEN JOHN A M

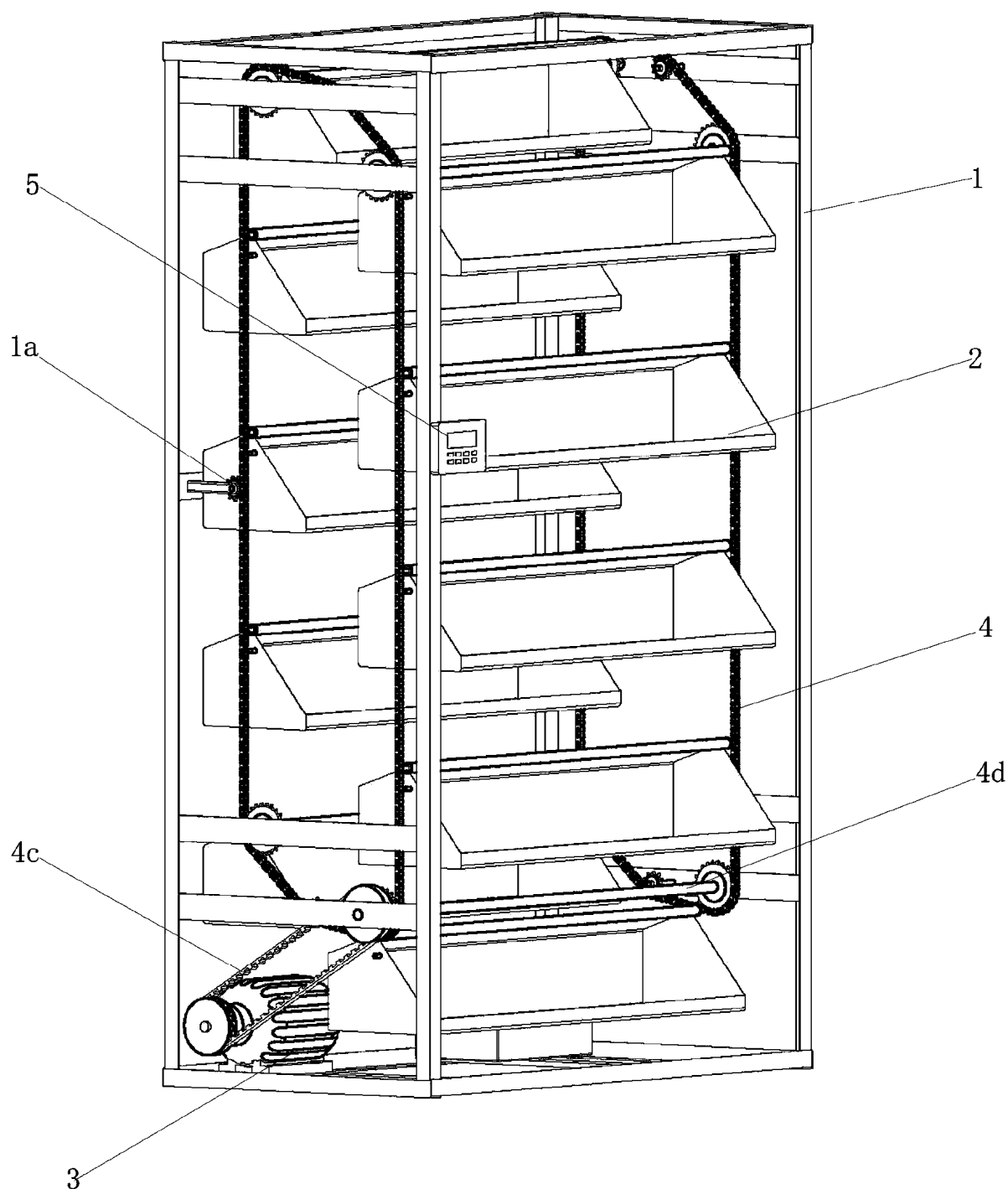
Latest standardized assignees - inventors removed

BOOMERANG SYSTEMS

Family 6/19 - FAMPAT - ©Questel

Title

(CN204489757U)

Lift type storage cabinet**Images****Publication numbers with kind code & date**

CN204489757

U

2015-07-22

CN204489757U



Abstract

(CN204489757)

The utility model discloses a **lift** type storage cabinet which is large in capacity and allows objects to be stored and taken conveniently. The **lift** type storage cabinet aims to overcome the defects of an existing cabinet, and is large in capacity and high in space utilizing rate, and objects can be stored and taken safely and conveniently. The **lift** type storage cabinet comprises a rack, storage hoppers, a motor, transmission mechanisms and a control device, wherein the transmission mechanisms are arranged on the two sides of the rack, the transmission mechanisms comprise transmission chains and transmission wheels, the transmission wheels are fixed to the upper portion and the lower portion of the rack, and the closed transmission chains are mounted outside the transmission wheels and are driven to rotate longitudinally through the transmission wheels. The motor is arranged on the bottom of the rack and is connected with the transmission mechanism on one side of the rack through a synchronizing device, and the transmission mechanisms are driven to rotate through the motor. The two ends of the storage hoppers are fixed to the transmission chains on the two sides of the rack. Compared with an existing storage cabinet, the **lift** type storage cabinet has the advantages that the space utilization rate is high, and objects can be stored and taken safely and effectively.

Inventors

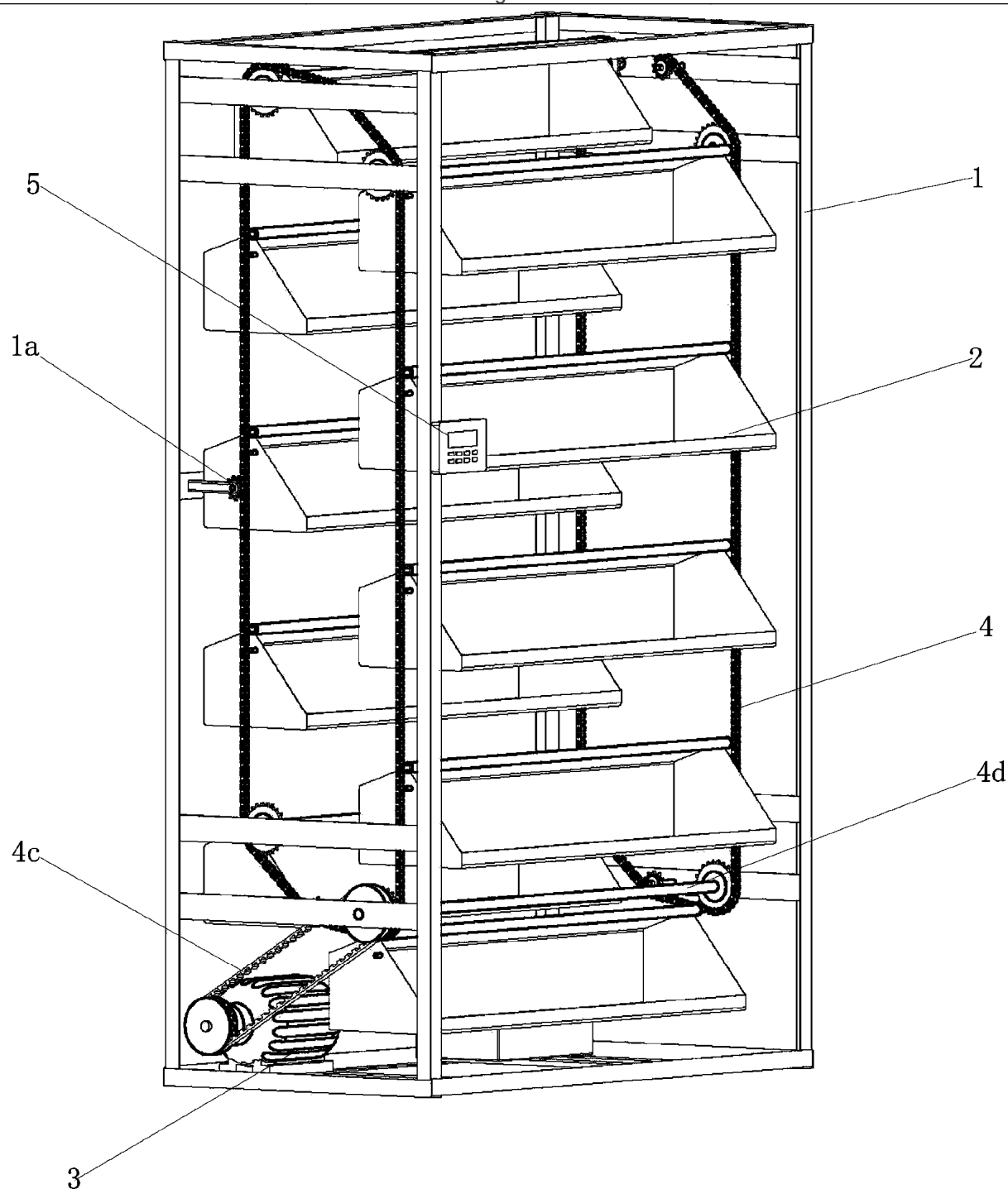
ZHU YUEPING

Family 7/19 - FAMPAT - ©Questel

Title

(CN104670779)

Lift type storage cabinet**Images**



Publication numbers with kind code & date

CN104670779

A 2015-06-03

CN104670779



Abstract

(CN104670779)

The invention discloses a high-capacity **lift** type storage cabinet easy and convenient for picking and storing an object, and aims to provide the **lift** type storage cabinet with large storage capacity and high space utilization rate and safe and convenient for picking and storing the object aiming at the defects of the existing cabinet. The **lift** type storage cabinet comprises a rack, storage hoppers, a motor, transmission mechanisms and a control device, wherein the transmission mechanisms are arranged on the two sides of the rack respectively and comprise rotating chains and transmission wheels; the transmission wheels are fixedly arranged on the upper part and the lower part of the rack; closed rotating chains are assembled on the outer sides of the transmission wheels and are driven by the transmission wheels to rotate longitudinally; the motor is arranged at the bottom of the rack; the motor is connected with the transmission mechanism on one side of the rack through a synchronous device; the transmission mechanisms are driven by the motor to rotate; the two ends of the storage hoppers are fixedly arranged on the rotating chains on the two sides of the rack respectively. Compared with the existing storage cabinet, the storage cabinet has the characteristics of high space utilization rate and safety and

effectiveness in object picking and placing.

Inventors

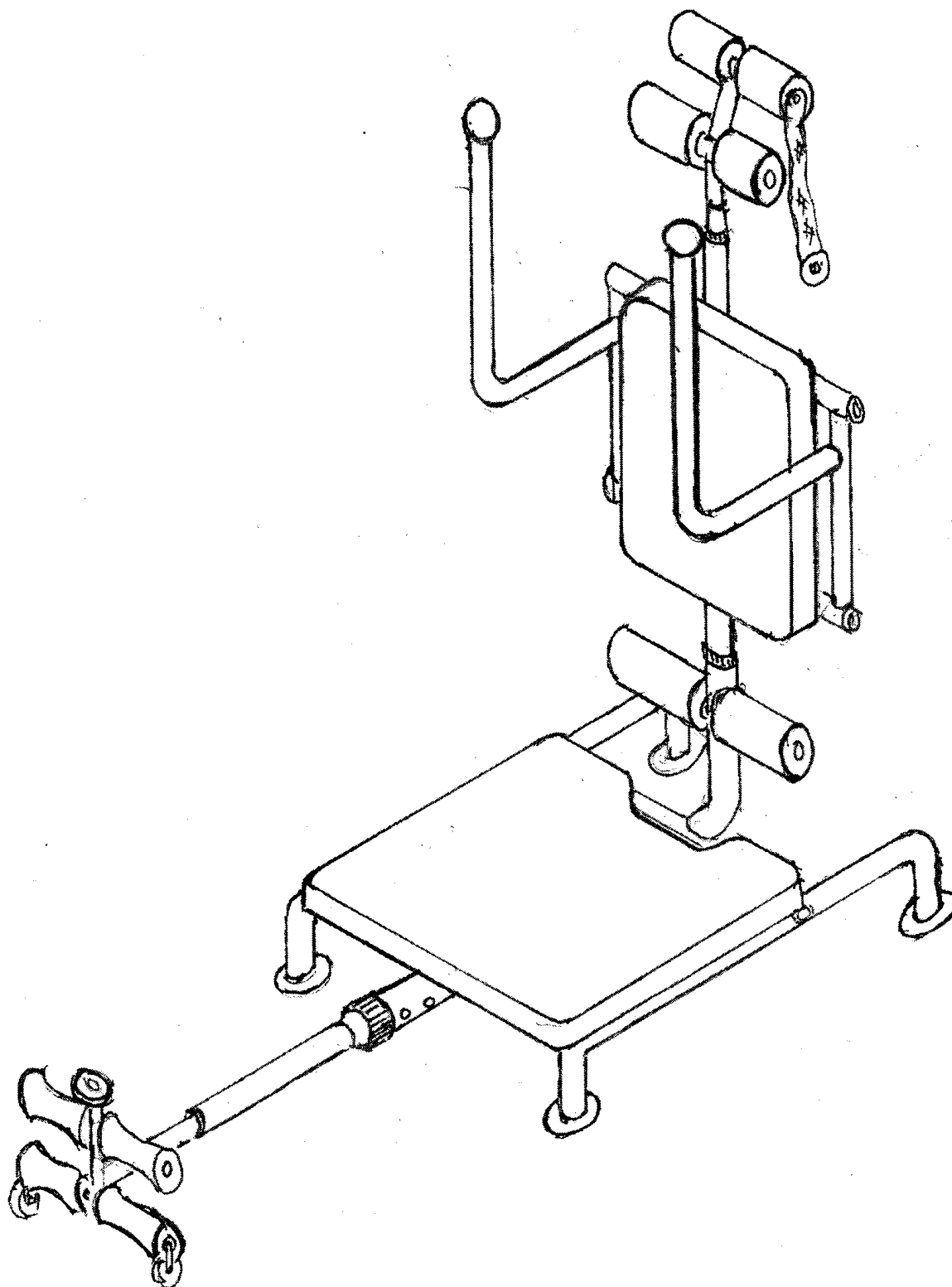
ZHU YUEPING

Family 8/19 - FAMPAT - ©Questel

Title

(CN103566522)

Multifunctional strengthening heightening training machine

Images

Publication numbers with kind code & date

[CN104940002](#)

A

2015-09-30

CN104940002



CN103566522

A

2014-02-12

CN103566522

**Abstract**

(CN103566522)

The invention relates to a multifunctional strengthening heightening training machine which structurally comprises a base, an ankle **locker** with adjustable length, a backrest bolster capable of adjusting the height of upper body, a rotatable central shaft, a rotatable headrest shaft and a buttering and force-supplying pressing spring, wherein a support and a handle are arranged in each armpit position; a forehead bandage is arranged on a headrest part; four feet of the base are landed on the floor; a hinge and a fixed part are arranged at the rear end of the base; the backrest bolster is vertically placed at the rear end of the base; the bottom bases of the backrest bolster are pivoted through the hinge. As shown in chart 1, the modes of stretcher pulling and headstand machine hanging for heightening are thoroughly changed by the heightening training machine for human body which is designed by utilizing the smart combination of the human engineering and the mechanical engineering and mechanics. Under the aid of the heightening machine, the stretching, waist wrenching, abdomen building, chest expanding and head rotating can be simultaneously and easily performed during a sit-up process. The muscles of a human body are subjected to sufficient blood activating and heating, the ligamentum between bones and joints are stretched, elongated and thickened and can run in and get nutrients, and the conditions of heightening the human body and curing various bone diseases are met.

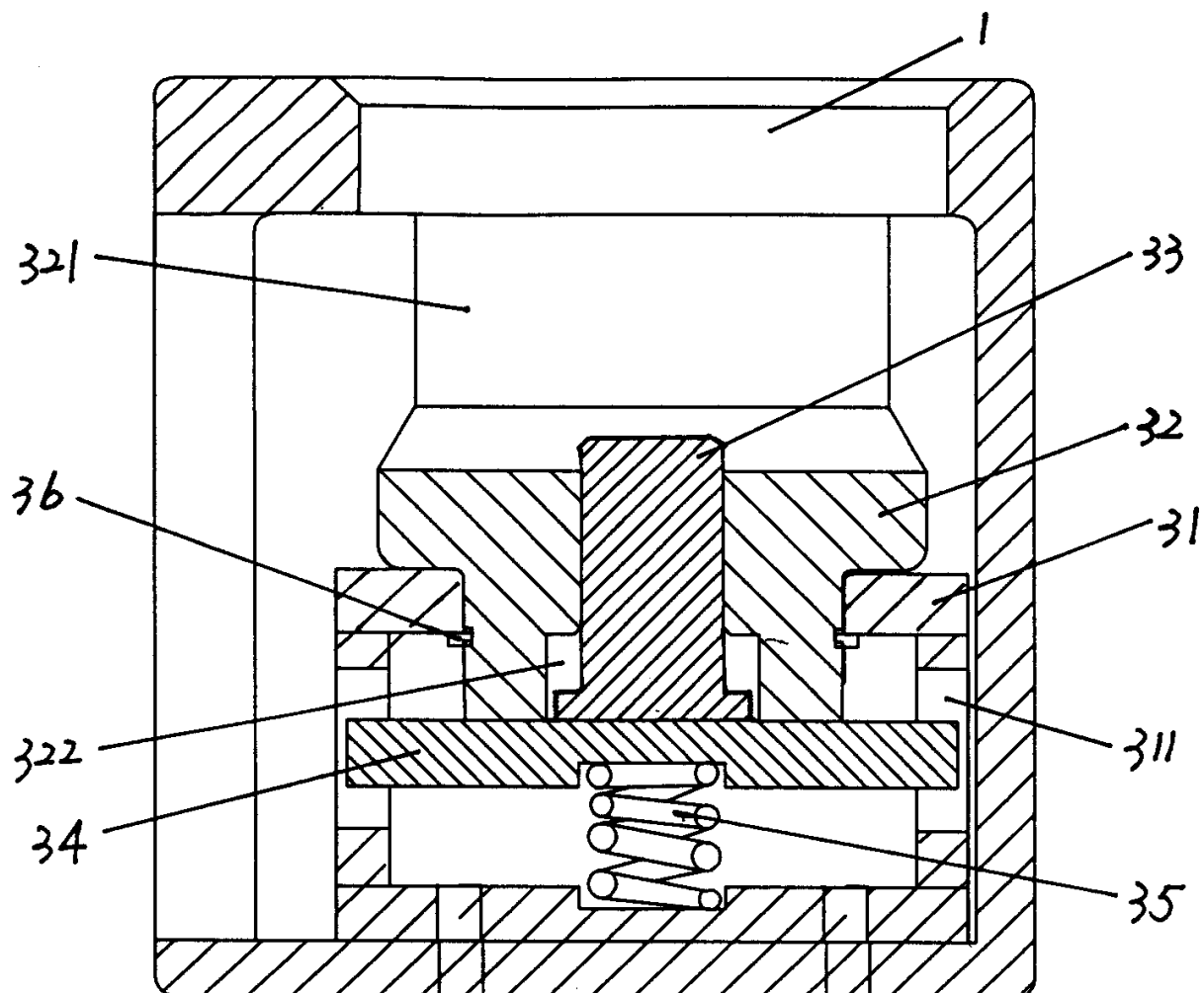
Inventors

ZHAO DELI

Family 9/19 - FAMPAT - ©Questel

Title

(CN2705437U)

Locking device for preventing falling of hoist **article****Images**

CN2705437

Y

2005-06-22

CN2705437U

**Abstract**

(CN2705437)

The utility model discloses a locking device for preventing the falling of a hoisting **article**, which comprises a transverse hole which is arranged on an **article** and can be matched with the reverse T-shaped hook of a hoist to be used, and a fixing frame which is arranged under the transverse hole. A limiting rotating block, a tip pin, a key strip and a spring are orderly arranged inside the fixing frame. The limitation and the relaxation of the limiting rotating block are generated by the up-down slide of the key strip. When the reverse T-shaped hook enters an upper groove behind the transverse hole, the rotatable state and the non rotatable state of the reverse T-shaped hook can be realized under the matching of the key strip, thereby, the locking function of the reverse T-shaped hook in the transverse hole is realized, and that is to say, the reverse T-shaped hook can be fixed in a position which is staggered with the transverse hole. The falling phenomenon which can be generated due to contrived faulty operation when the hoisting in the air is prevented, and the realizing mode has the advantages of simple structure, convenient use and good locking effect.

Inventors

WANG HAIHONG

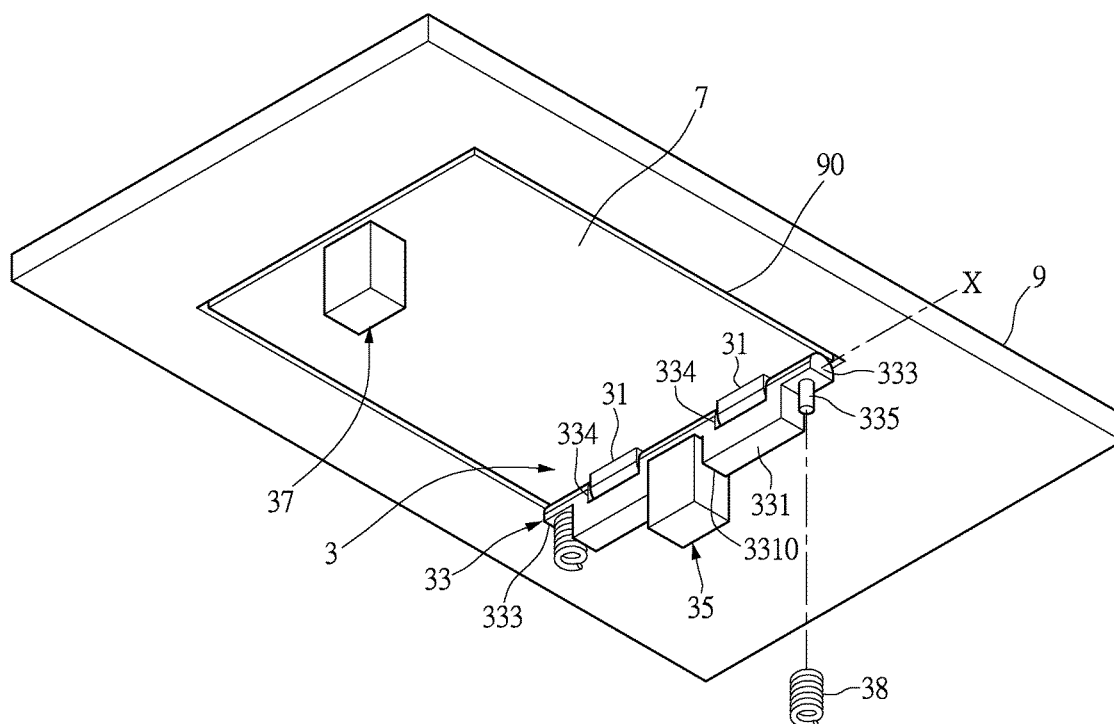
OU JIALE

Family 10/19 - FAMPAT - ©Questel

Title

(US9752374)

Assembly having liftable lid and movable hinge module thereof

Images**Publication numbers with kind code & date**

CN104717853

B

2018-03-20

CN104717853B

US9752374

B2

2017-09-05

US9752374

CN104717853

A

2015-06-17

CN104717853

US20150159423

A1

2015-06-11

US20150159423

**Abstract**

(US20150159423)

An assembly has a liftable lid and a movable hinge module. The assembly includes an object having an opening, a lid rotatably arranged upon the opening, and a hinge module. The hinge module includes at least a shaft connected to the lid, a base, and at least a latch. The shaft is connected to the base and along with the base defines a rotating axis. The rotating axis is movably arranged between a close position and an open position. The latch fastens the lid over the opening. When the rotating axis is at close position, the lid closes upon the opening as a close state. When the rotating axis moves away from close position, the lid rotates and moves away from the opening to an open state. The rotating axis moves to open position.

Inventors

FU PING-KUN

Latest standardized assignees - inventors removed

LITE ON

LITE ON TECHNOLOGY

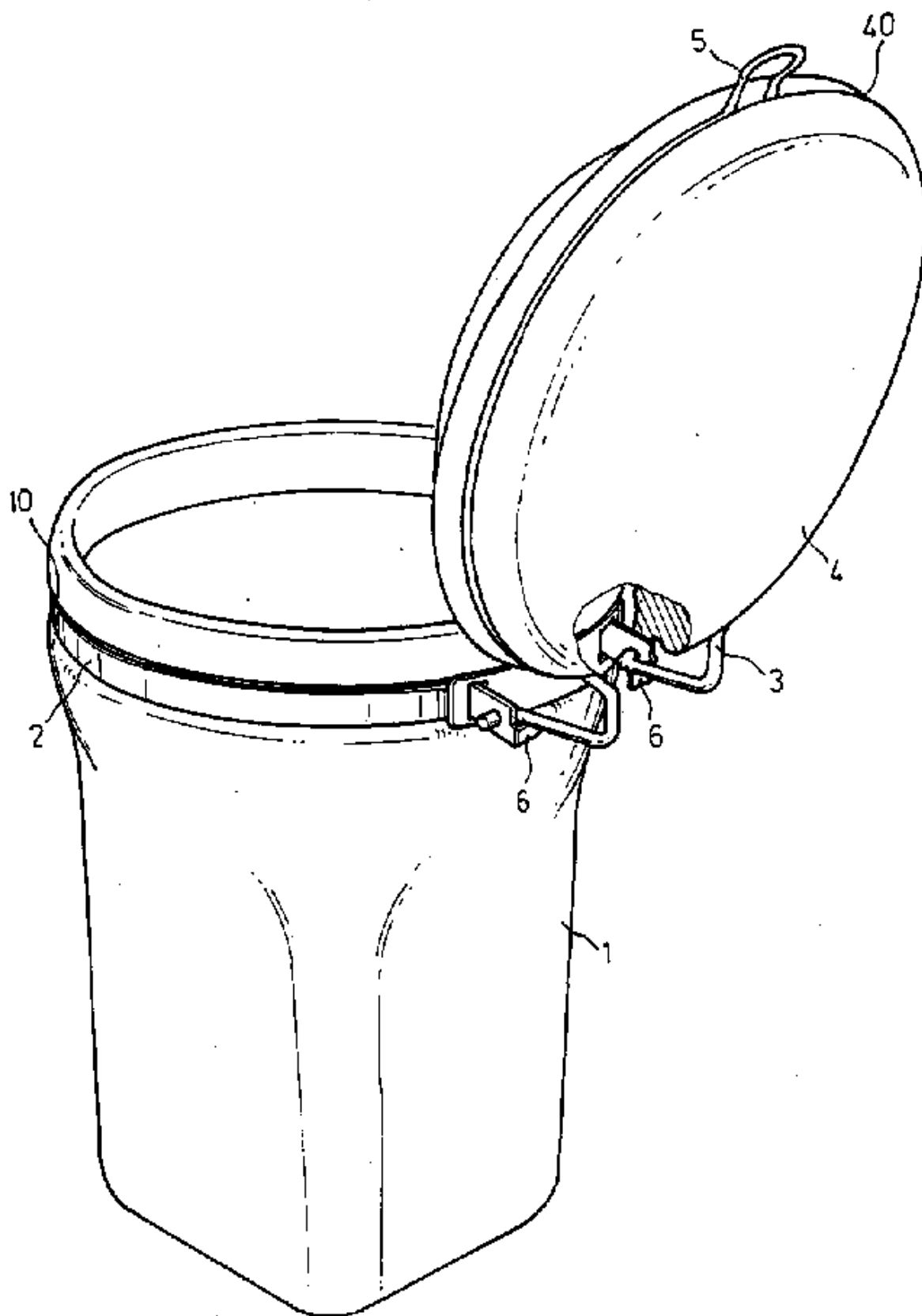
Family 11/19 - FAMPAT - ©Questel

Title

(CN2332662U)

Over-lidding sealed storage pot

Images

**Publication numbers with kind code & date**[CN2332662](#)

Y

1999-08-11

CN2332662U

**Abstract**

(CN2332662)

The utility model relates to an over-lidding sealed storage pot. A buckling and clamping device is used for sealing and buckling an over-lidding storage pot and a lid body. A buckling and clamping body which is bundled around the neck edge of the opening of the storage pot, and a supporting connecting rod which is bundled around the neck edge of a sealing lid are arranged on two mutually pivoted buckling and clamping bodies. A convex stopping body is arranged at a proper

position on the lifting path of the supporting connecting rod, so the sealing lid can only reach the position where the supporting connecting rod is stopped by the stopping body when the sealing lid is lifted. The sealing lid is lifted and supported in a proper opening angle in order to prevent the falling down and the turning over of the storage pot. In addition, the utility model has simple preparing manufacturing process, and simple construction.

Inventors

XU XING

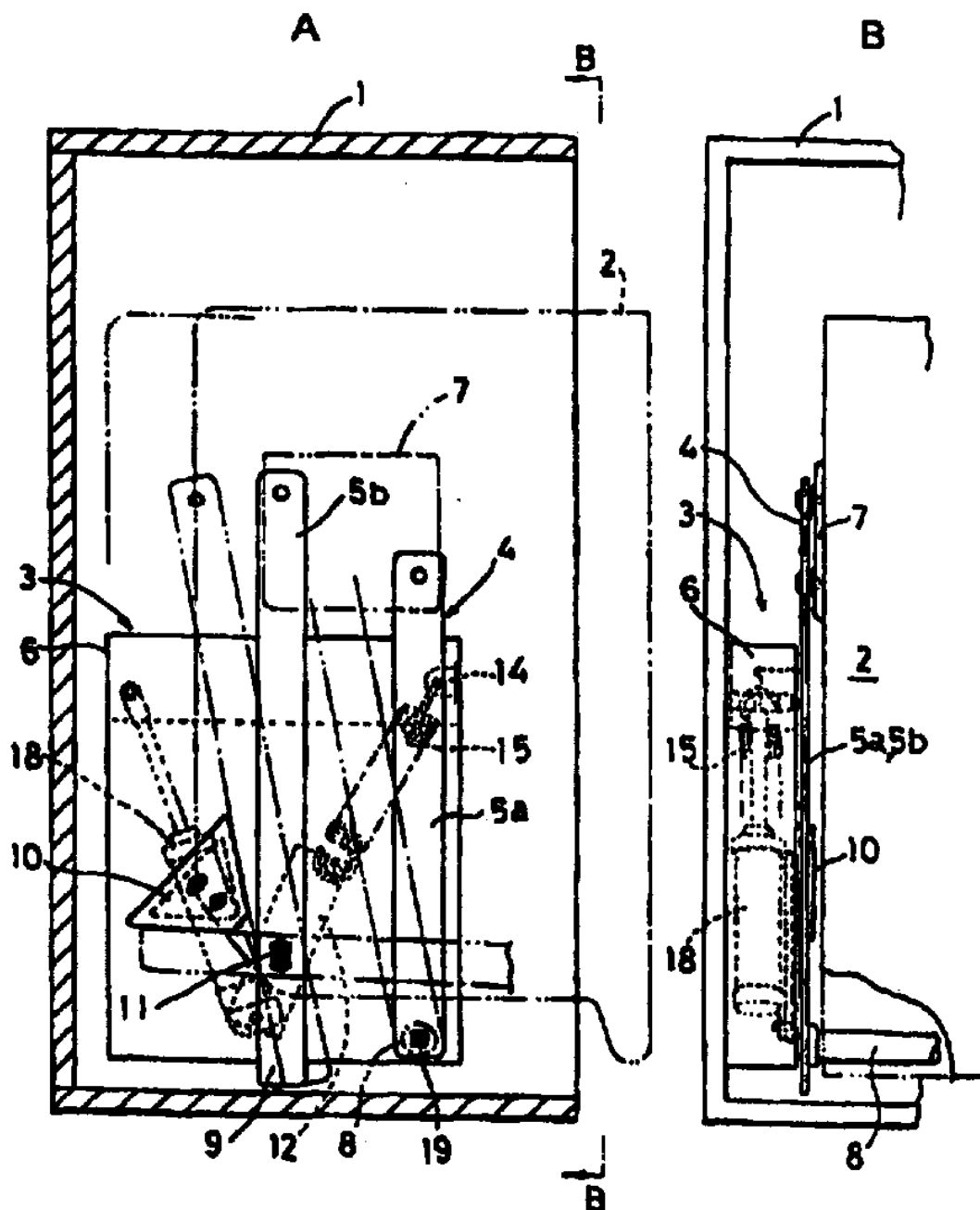
Family 12/19 - FAMPAT - ©Questel

Title

(WO9732505)

Receiving portion lifting and supporting device

Images

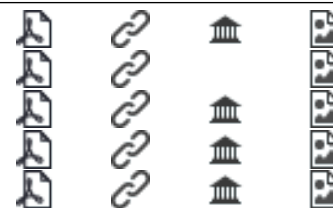


Publication numbers with kind code & date

KR100536412	B1	2006-12-07	KR100536412
JP3748613	B2	2005-12-09	JP3748613
CN1124097	C	2003-10-15	CN1124097C



TW409526	U	2000-10-21	TW-409526U
KR19990008368	A	1999-01-25	KR19990008368
CN1178452	A	1998-04-08	CN1178452
JP09238756	A	1997-09-16	JP09238756
WO97/32505	A1	1997-09-12	WO9732505

**Abstract**

(WO97/32505)

A receiving portion lifting and supporting device wherein a parallel link (4) connected to a receiving portion (2) at a loose end thereof is pivotably supported on a mounting box (6), wherein a pivotably supporting shaft (11) for pivotably supporting a link member (5b) of the parallel link (4) and adapted to rotate interlockingly is caused to protrude into the mounting box (6) so as to be coupled to an interlockingly rotating plate (12) inside the mounting box (6) and wherein a direct acting type damper (18) and a spring body (15) are disposed between the interlockingly rotating plate (12) and the mounting box (6) so as to suppress the rotating speed of the interlockingly rotating plate (12) associated with the **rotation** of the parallel link (4) when the receiving portion (2) is raised or lowered.

Inventors

TANI SATORU

MURAKAMI MOTOHARU

Latest standardized assignees - inventors removed

PANASONIC

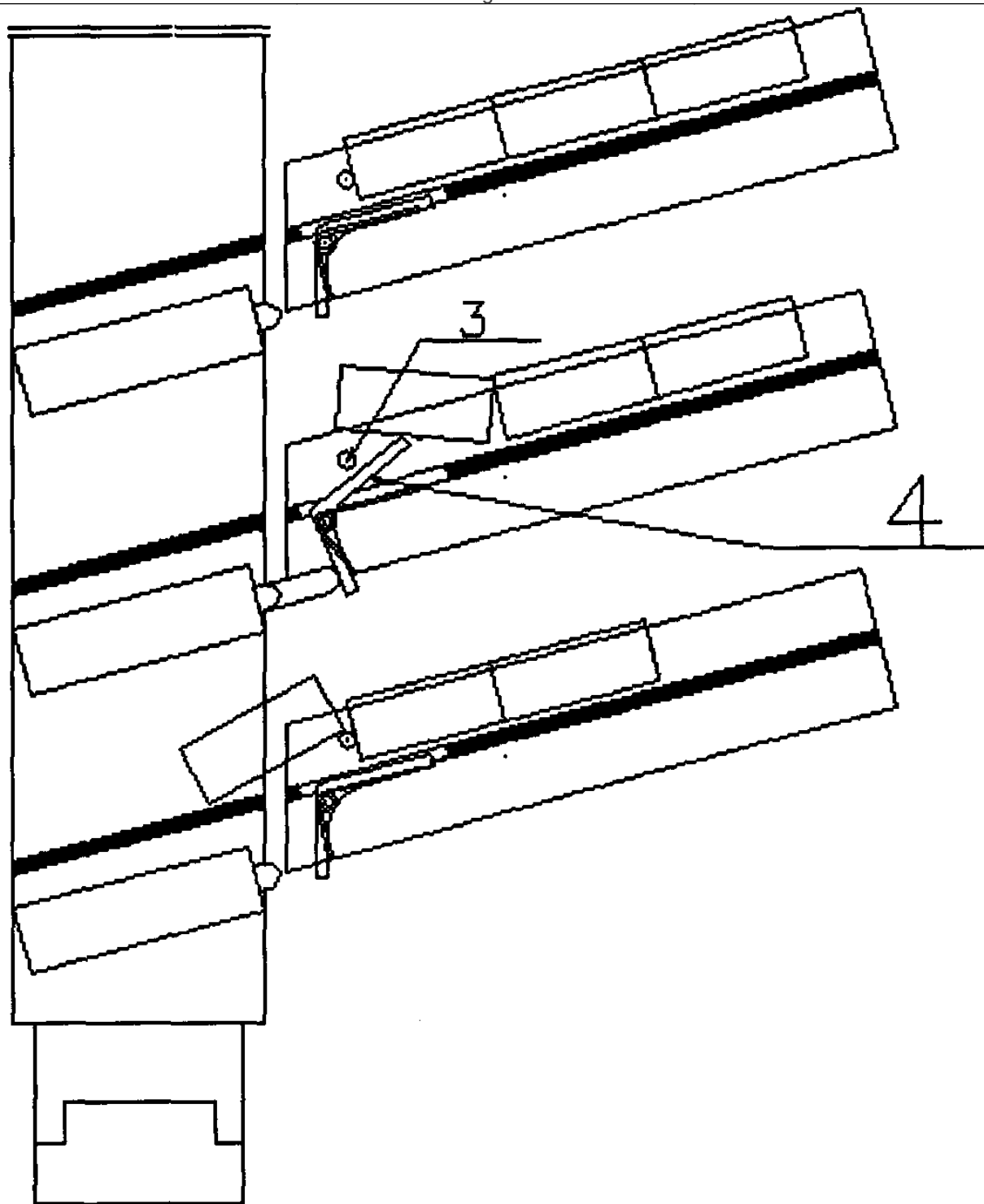
Family 13/19 - FAMPAT - ©Questel

Title

(CN102275706B)

Horizontal-moving movable frame delivery device

Images

**Publication numbers with kind code & date**

CN102275706	B	2013-01-02	CN102275706B
CN102275706	A	2011-12-14	CN102275706

**Abstract**

(CN102275706)

The patent refers to the field of 'transport or storage devices; shop conveyer systems; pneumatic tube conveyers'. The invention discloses a horizontal-moving movable frame delivery device, which comprises a rapid movable frame and a matrix type storage frame, wherein the rapid movable frame is arranged in front of a delivery end of the matrix type storage frame and can horizontally move along a guide rail; the matrix type storage frame is formed by a plurality of storage grooves, wherein each storage groove comprises two side plates and a base plate; an incoming end of each storage groove is higher than the delivery end so that goods can slide toward the delivery end along the corresponding base plate; check blocks are respectively arranged on the delivery ends of the storage grooves; a resetting piece which can jack up the goods is arranged under each check block; and the resetting pieces are arranged on the base plate and can **turn** over under the action of a power source; and the horizontal-moving movable frame delivery device is suitable for controlling

stored solid-state goods with regular shapes on the storage frame to be delivered. The horizontal-moving movable frame delivery device can realize the automatic delivery of the single stored goods or several stored goods in a storage position conveniently and has the advantages of controllable delivery number, high speed, reliable performance, no adjustment when the stored goods are changed, simple structure, low noise and the like.

Inventors

CUI JIANWEI

GONG ZHONGLIN

Latest standardized assignees - inventors removed

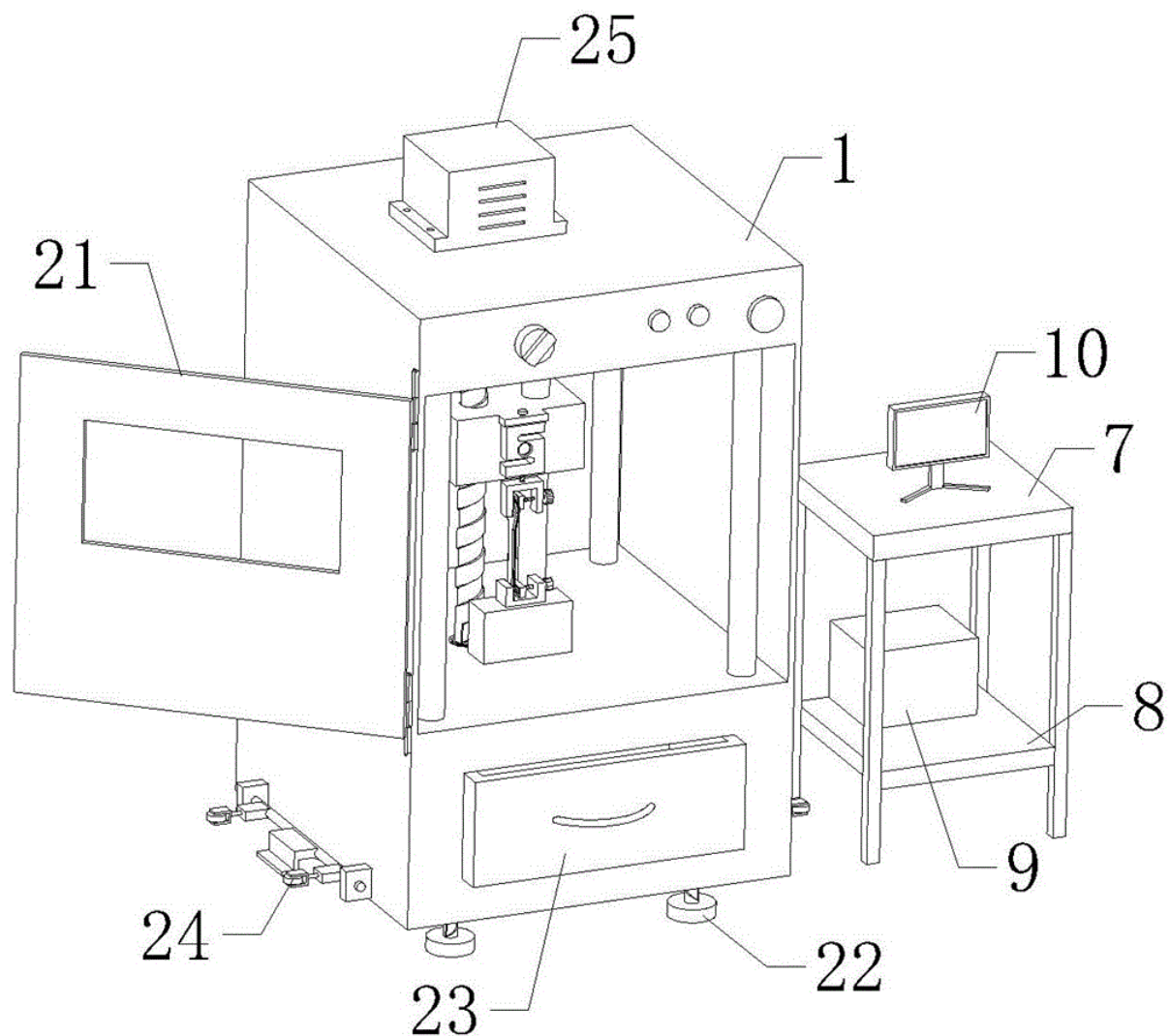
JIANGSU XUNJIE HARNESS TECHNOLOGY

Family 14/19 - FAMPAT - ©Questel

Title

(CN109507107)

Testing equipment for pulling force of baby diaper magic buckles

Images**Publication numbers with kind code & date**[CN109507107](#)

A

2019-03-22

CN109507107

**Abstract**

(CN109507107)

The invention relates to the technical field of baby diapers and in particular relates to testing equipment for the pulling force of baby diaper magic buckles. The testing equipment comprises a box body, a hoisting assembly, a pressing assembly and a control assembly, wherein the hoisting assembly is arranged at the inner side of the box body; the pressing assembly is arranged at the inner side of the box body; the control assembly is arranged at the side of the box body; the hoisting

assembly comprises a first drive, a guide rod, a movable block and a pulling force sensor; the first drive is arranged at the top of the box body; the guide rod is arranged at the inner side of the box body and two ends of the guide rod are fixedly connected with an inner wall of the box body; the movable block is arranged on the guide rod; the pulling force sensor is arranged at one side of the movable block; the pressing assembly comprises a fixed block, a locking device and a pressing strip; the control assembly comprises a supporting platform, a separation plate, a controller and a control panel. According to the testing equipment for the pulling force of the baby diaper magic buckles, the equipment can move through rotary universal wheels; the working efficiency is greatly improved and the cost is also reduced.

Inventors

WANG RENYI

LIU MEILONG

CHEN YONGZHONG

XU YUAN

XU MINGHUI

Latest standardized assignees - inventors removed

JIANGXI MARVEL CONSUMER PRODUCTS

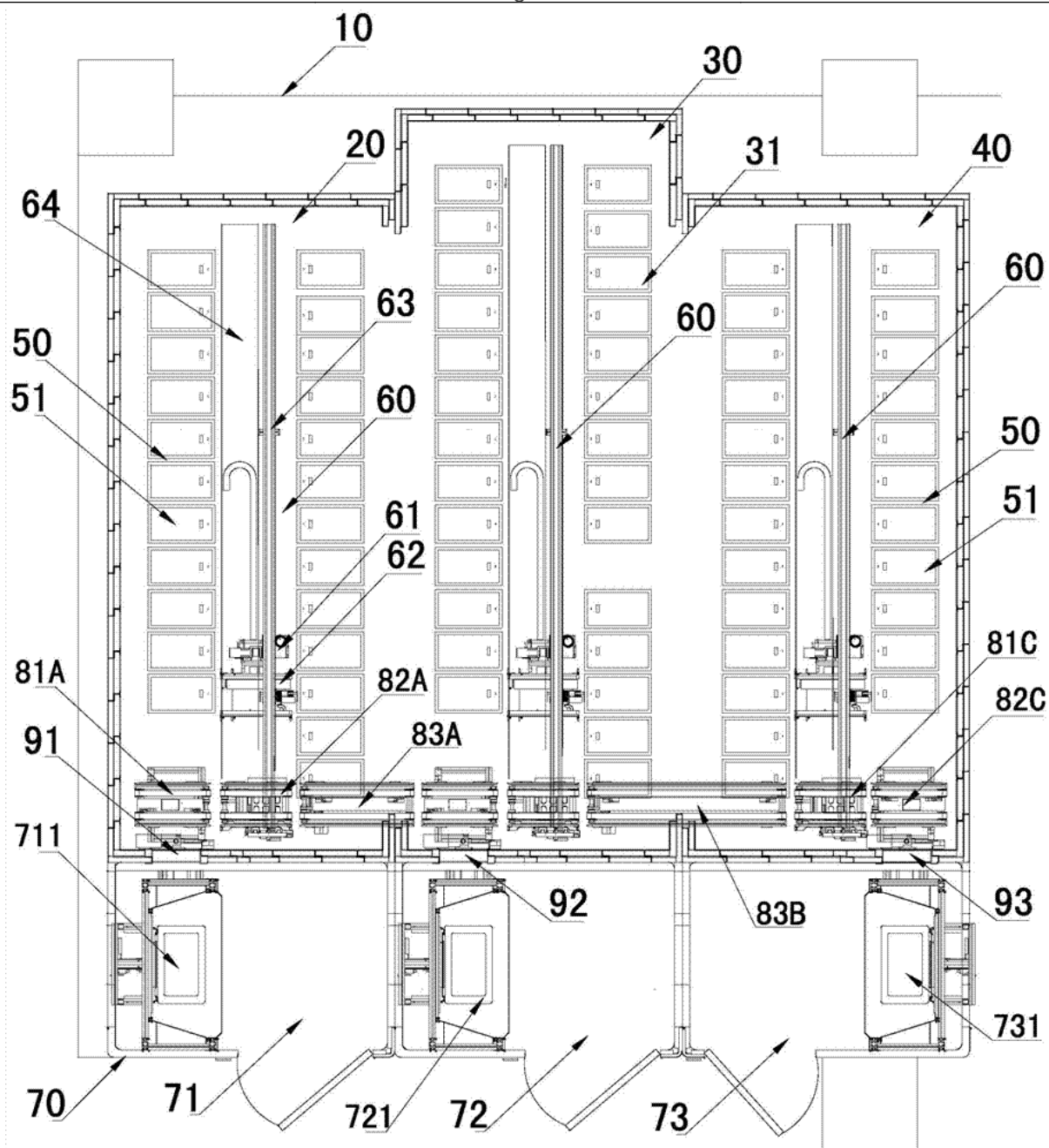
Family 15/19 - FAMPAT - ©Questel

Title

(CN105604438)

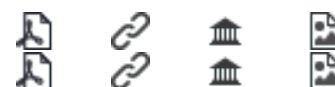
Full-automatic safe deposit box interconnection system

Images



Publication numbers with kind code & date

CN105604438	B	2017-12-01	CN105604438B
CN105604438	A	2016-05-25	CN105604438



Abstract

(CN105604438)

The invention discloses a full-automatic safe deposit box interconnection system. A plurality of inner box goods shelf management storage regions and a plurality of corresponding access management operation monitor regions are arranged in a safe deposit box body; an access management operation terminal is arranged in each access management operation monitor region; a channel hole electric safety door for a storage inner box to enter and exit is arranged between each access management operation monitor region and each corresponding inner box goods shelf management storage region; a rotary sorting and conveying channel, a lifting connector conveying channel, an intra-storage conveying channel and a box-getting mechanical hand are arranged in each inner box goods shelf management storage region; the conveying channels are connected in sequence; each intra-storage conveying channel conveys connected storage inner boxes between every two adjacent inner box goods shelf management storage regions; and the rotary sorting and conveying channel is connected with an operation table conveying channel in the access management operation monitor region through the channel hole electric safety door. The storage access operation management is performed on any storage box goods shelf at any access management operation terminal; a safe deposit box has the advantages of high storage access

management operation efficiency and relatively low management cost.

Inventors

XU YIPING

Latest standardized assignees - inventors removed

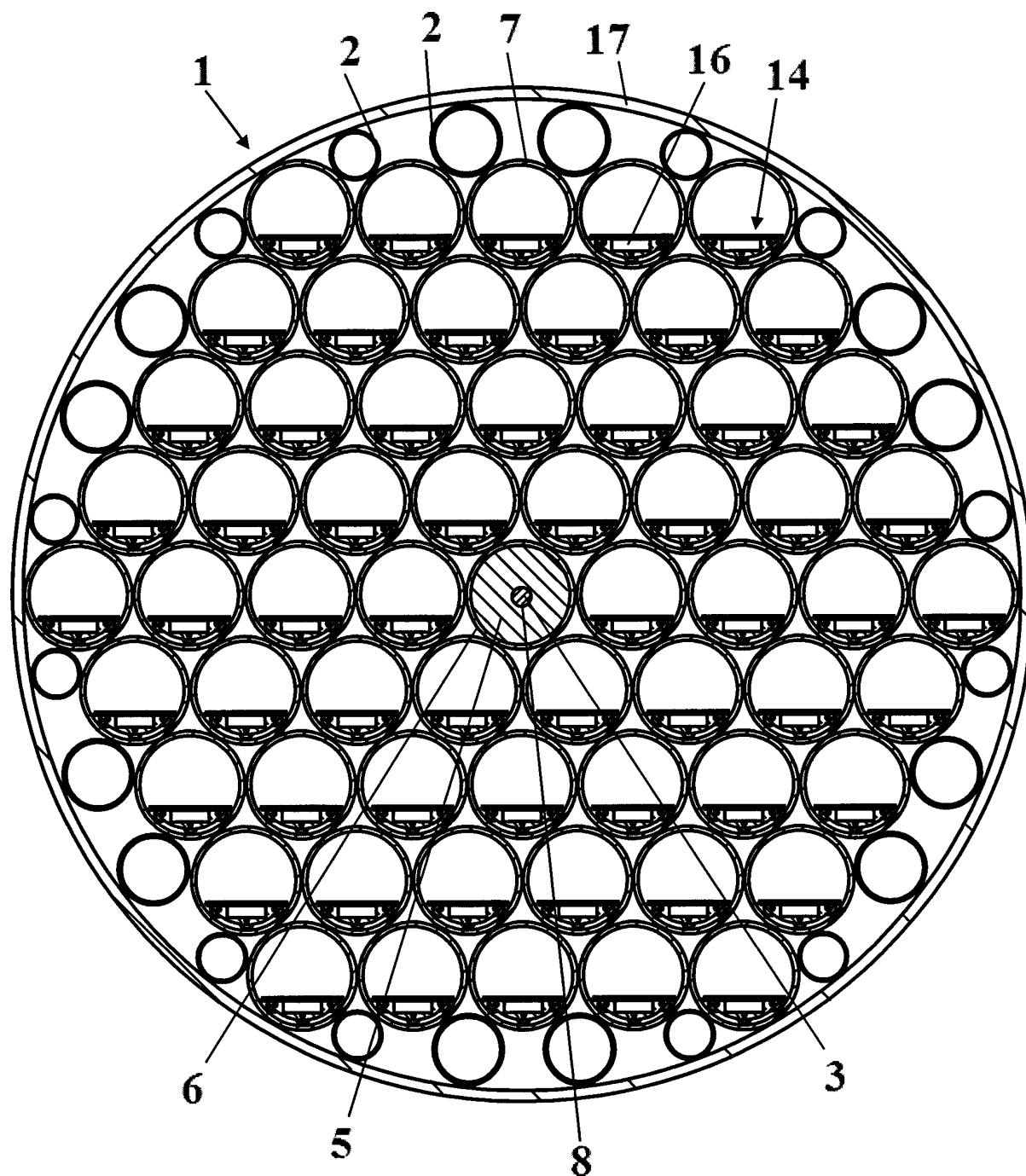
NINGBO CHAOPING INTELLIGENT TECHNOLOGY

Family 16/19 - FAMPAT - ©Questel

Title

(CN204124646U)

Rotary type large object storage rack

Images**Publication numbers with kind code & date**

[CN204124646](#)

U

2015-01-28

CN204124646U

**Abstract**

(CN204124646)

The utility model relates to a rotary type large object storage rack which comprises a rack body (1), a rotary shaft (3), an

outer platform, indication plates (16), a transmission device and a power device. A central cylinder (6) and storage cylinders (7) on the rack body (1) are combined according to a honeycomb mathematic model. A platform trolley (14) for storing large objects is arranged in each storage cylinder (7). The rack body (1) rotates around the axis of the rotary shaft (3), the large objects can ascend and descend and can be stored and taken, and in the process, the platform trolleys (14) cannot slide out of the storage cylinders (7), and the large objects on the platform trolleys (14) cannot roll over. The rotary type large object storage rack can be used as a parking rack or a goods shelf or an equipment rack, and is compact and firm in structure, simple in operation procedure and short in object storage and taking time. The gravity and torque cancellation effect can be utilized fully, and energy consumption is small.

Inventors

LI XINYA

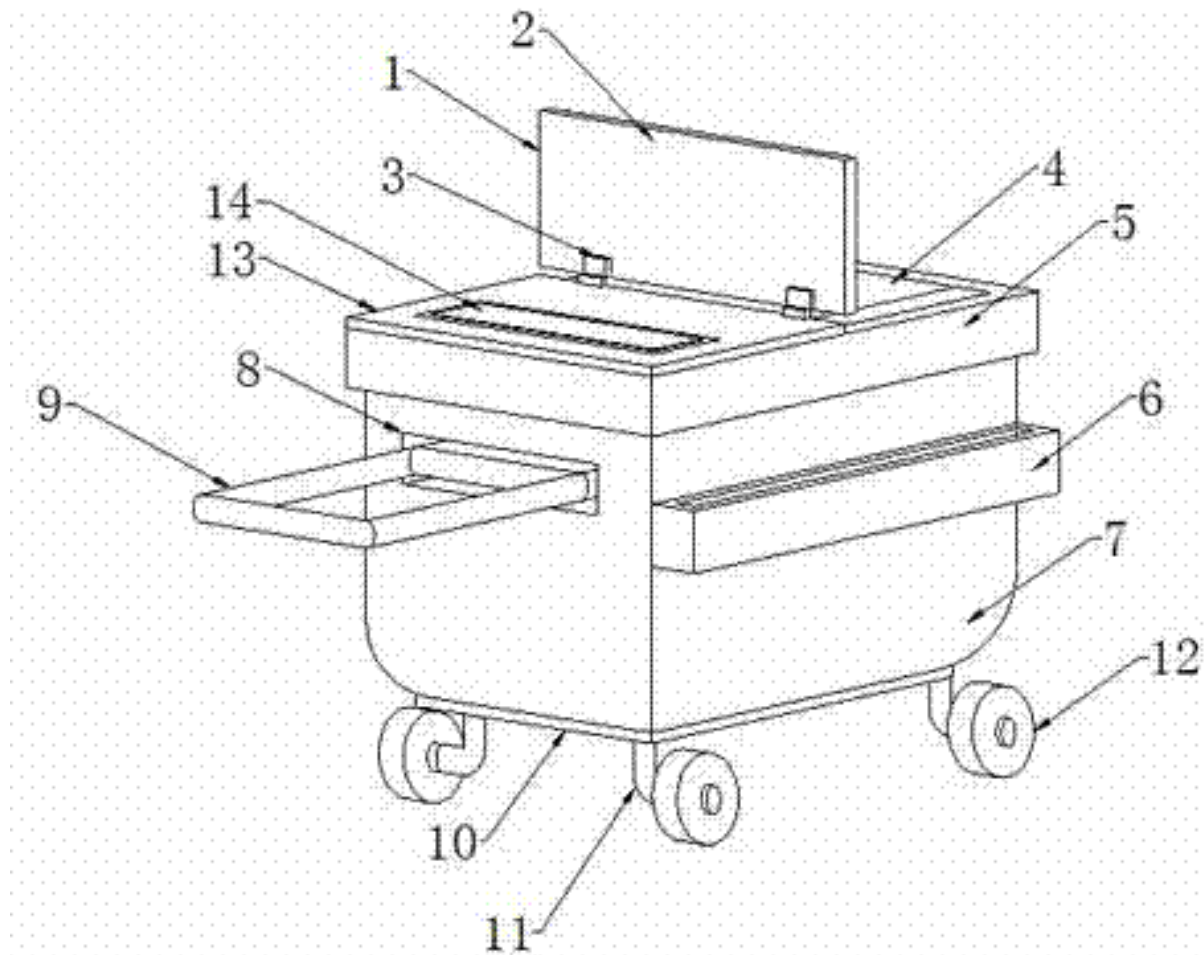
Family 17/19 - FAMPAT - ©Questel

Title

(CN208469852U)

Coal mine transportation dolly

Images



Publication numbers with kind code & date

[CN208469852](#)

U

2019-02-05

CN208469852U



Abstract

(CN208469852)

The utility model discloses a coal mine transportation dolly, including the dolly main part, carrying box and gyro wheel, the bottom fixedly connected with carrying box of top plate, the bottom four corners swing joint of dolly main part has the gyro wheel, the equal swing joint in bottom four corners of base has the arc steering column, and four have been seted up to the arc steering column, evenrange is in the bottom of base, the inside nested contact of open -ended has telescopic pull rod, and telescopic pull rod passes through opening and dolly main part swing joint, but the arc steeringcolumn has 360 degrees **rotation** function, and the height that has five centimetres, , on one han, prevented that the dolly main part is when

removing, because of the base position too low, cause and remove inconvenient phenomenon, on the other hand, the whole flexibility of dolly main part has been promoted, the utilization ratio in space has been improved through telescopic pull rod, the space -saving while, let the user promote more laborsaving, be applicable to this kind of coal mine transportation dolly's use, good market development has.

Inventors

LI DAMING

Latest standardized assignees - inventors removed

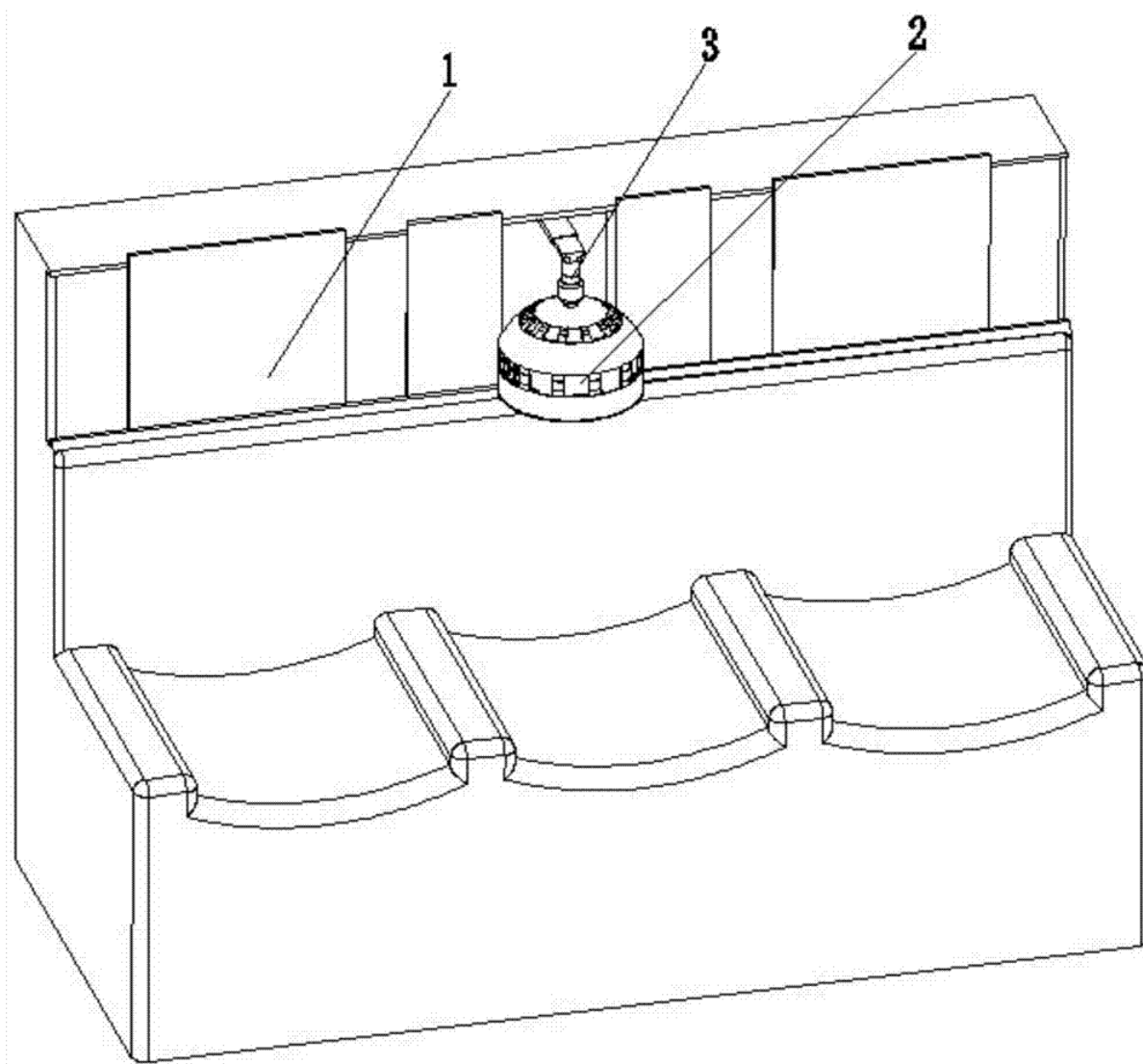
YANGMEI SHOUYANG KAIYUAN MINING

Family 18/19 - FAMPAT - ©Questel

Title

(CN105751930)

Head massaging seat special for high-speed rails, automobiles and airplanes

Images**Publication numbers with kind code & date**

CN105751930	B	2017-11-28	CN105751930B
CN105751930	A	2016-07-13	CN105751930

**Abstract**

(CN105751930)

The invention relates to a head massaging seat special for high-speed rails, automobiles and airplanes. The seat comprises a seat body, a head massaging machine and an adjusting support, wherein the head massaging machine is installed in the seat body through the adjusting support. The seat can be widely used in high-speed rails, bullet trains,

automobiles and airplanes; besides, a series-parallel structure is established between the adjusting support and the head massaging machine, so that the overall position and angle adjusting range is wide, massaging motion is flexible, and stability is high; moreover, due to user-friendly design, the massaging effect is obvious, the comfort level is high, and a comfortable and convenient riding environment is provided for passengers; furthermore, as a 4-UPS type parallel mechanism is adopted for the head massaging machine, one-horizontal-moving and three-rotating motion in four degree-of-freedom directions can be achieved, the motion effect is good, many degrees of freedom of motion are provided, full contact with the head is achieved, both the moving speed and the rotating speed can be adjusted, the seat can be used by people of different ages and is high in applicability, and thus the massaging effect of the seat is improved.

Inventors

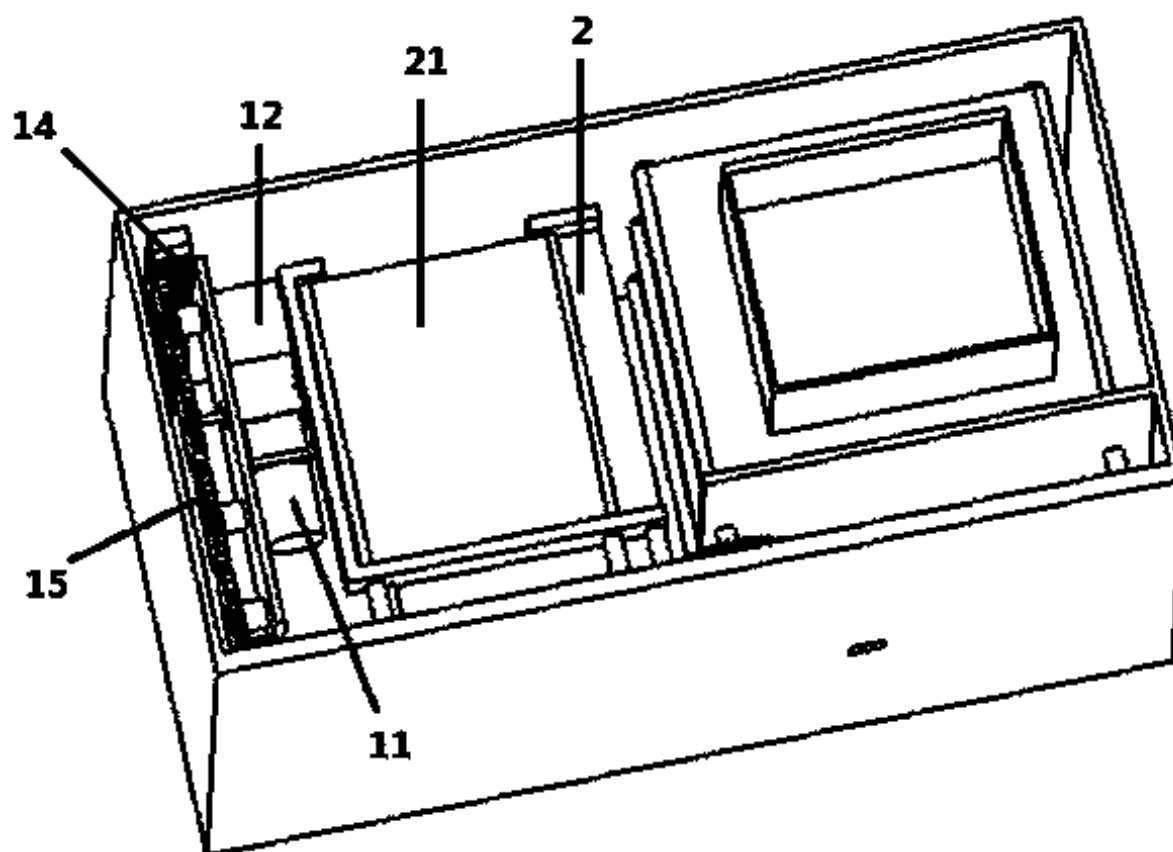
HUANG ZHIYONG

Family 19/19 - FAMPAT - ©Questel

Title

(CN104042039)

Intelligent storage cabinet based on MCU

Images**Publication numbers with kind code & date**

CN104042039	B	2016-04-13	CN104042039B
CN104042039	A	2014-09-17	CN104042039

**Abstract**

(CN104042039)

The invention discloses an intelligent storage cabinet based on an MCU. Two sides of a cabinet body are internally provided with a lifting mechanism and a conveying bearing mechanism; a drawer outlet is formed in the lower part of the cabinet body; the conveying bearing mechanism comprises multiple layers of conveyor belt mechanisms in parallel, a steering engine, a transmission motor, a swing arm and a positioning gear; each layer of conveyor belt mechanism comprises a bearing conveyor belt, a conveyor belt shaft and a transmission gear; the lifting mechanism comprises a lifting plate, a lifting motor, a worm and worm wheel mechanism, a lifting plate gear, a rack and a lifting gear; when being taken out, a drawer is moved to the lifting plate through the bearing conveyor belt and a lifting plate conveyor belt, and then is

moved to the drawer outlet through the lifting mechanism to be taken out; when being put back, the drawer is placed on the lifting plate at the drawer outlet, then is moved to the same horizontal height with the bearing conveyor belt by the lifting mechanism, and is moved to the bearing conveyor belt on the layer through the lifting plate conveyor belt and the bearing conveyor belt. The intelligent storage cabinet has a simple structure, is convenient in operation, and is favorable for people to get items placed in high positions of the storage cabinet.

Inventors

OU CHENXI

LU LINGXIA

Latest standardized assignees - inventors removed

ZHEJIANG UNIVERSITY