

28 Documents

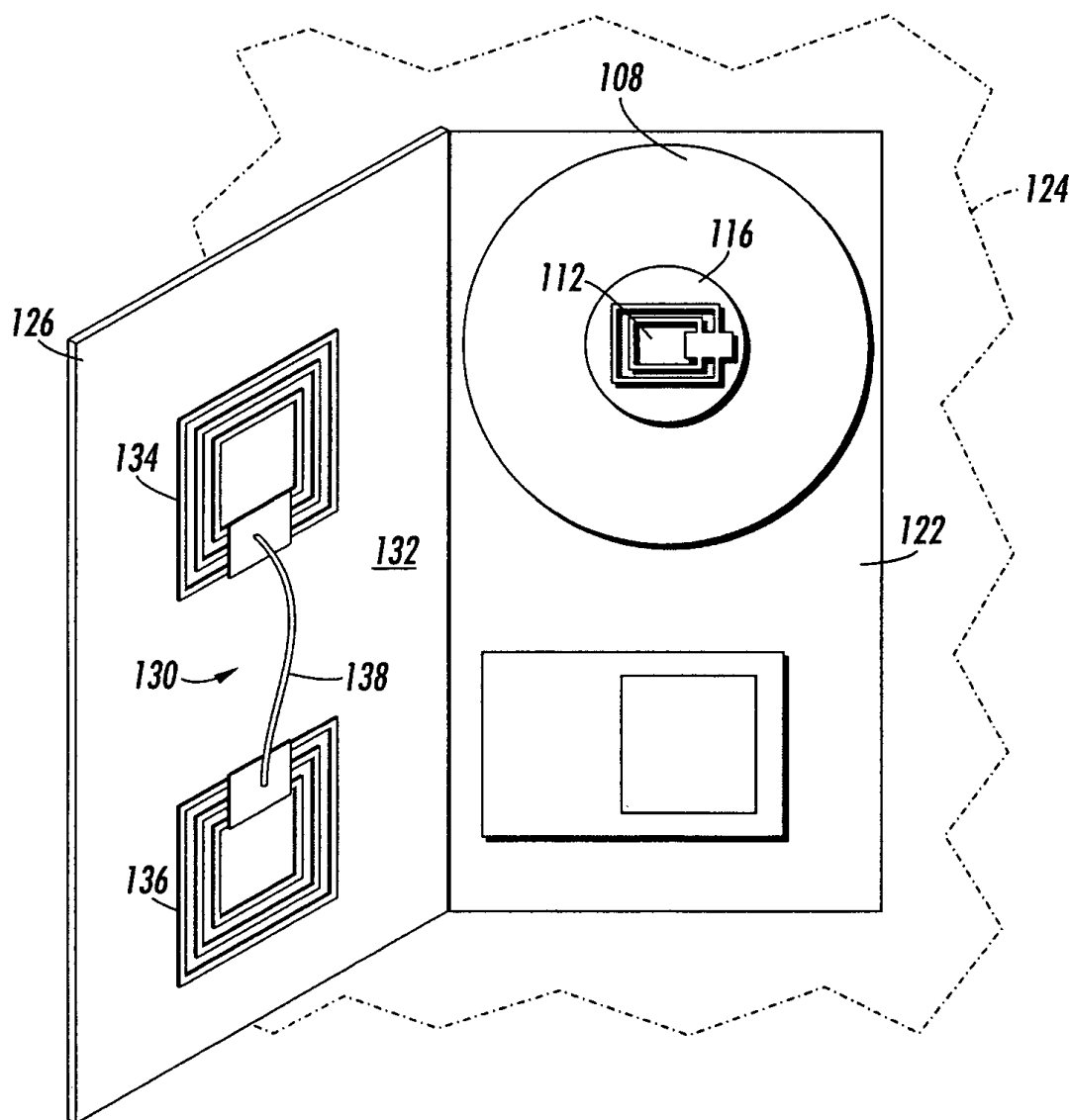
Publication numbers	Title	Current assignees
EP1837799 A2	Module with RFID tag and associated bridge antenna	XEROX
EP1837798 A2	RFID bridge antenna	XEROX
EP2188869 A1	Rfid system and method	DEKA PRODUCTS
US20150310715 A1	Secure passive RFID tag with seal	DIRAC SOLUTIONS
JP2003034442 A	Container control method in container terminal, control device and radio ic key seal tag	IHI
WO201204532 A1	Rfid tag, moulded part comprising such a tag and a method for manufacturing such a part	DSI
US20060145870 A1	Container including a tamper-resistant seal and to a radio frequency identification seal	COVELEY, SOLBYUNG, ...
US20100214077 A1	Reusable locking body, of bolt-type seal lock, having open-ended passageway and u-shaped bolt	GOOGLE
EP3346456 A1	Tamper-evident seal for electricity meters	AVALOS, DARIO ITURRIA, ...
WO200684255 A2	Electronic seal and method of container tracking	CONTAINER SECURITY
EP1182154 A1	Method and apparatus for container management	ISHIKAWAJIMA TRANSPORT MACHINERY
CN205788523U U	Intelligent vending machine who has heating device based on internet of things	SHANGHAI CHAIN DATA TECHNOLOGY
CN206133782U U	Intelligent vending machine who has fingerprint identification function based on internet of things	SHANGHAI CHAIN DATA TECHNOLOGY
CN206097289U U	Intelligent vending machine who has face identification function based on internet of things	SHANGHAI CHAIN DATA TECHNOLOGY
CN206097288U U	Intelligent vending machine who has voice recognition function based on internet of things	SHANGHAI CHAIN DATA TECHNOLOGY
CN206097287U U	Intelligent vending machine who has two -dimensional code recognition function based on internet of things	SHANGHAI CHAIN DATA TECHNOLOGY
CN101964069 A	Ribbon-type electronic seal, manufacturing method and special mould thereof	WUJIANG TALENT ELECTRONICS & TECHNOLOGY
US5406263 A	Anti-theft method for detecting the unauthorized opening of containers and baggage	ROUND ROCK RESEARCH
US5646592 A	Anti-theft method for detecting the unauthorized opening of containers and baggage	ROUND ROCK RESEARCH
JP2001322719 A	Device and method for controlling loading and unloading of container	ISHIKAWAJIMA HARIMA HEAVY INDUSTRIES IHI
KR20160134606 A	Switchboard with smart remote control doors	PARK, KYEUNG HEE
CN1971580 A	Read-write apparatus of electronic label of container capable	SHANGHAI

Publication numbers	Title	Current assignees
	of identifying position information of container	INTERNATIONAL PORT
CN206923919U U	High value consumptive material cabinet	CHONGQING BENMU SCIENCE & TECHNOLOGY
EP3077966 A1	Selection of access control apparatuses on an access authorisation verification apparatus on the basis of information from a transmission	DEUTSCHE POST
US20080303897 A1	Visually capturing and monitoring contents and events of cargo container	GOOGLE
EP1904783 A2	Ambient lighting in hospital surgical environments	OPTIMUS LICENSING
CN200961389U Y	Double frequency electronic lock	NANJING SAMPLE TECHNOLOGY
EP1523604 A2	Authorisation, regulation, characterisation, localisation, locking and theft security system (here also referred to as lock-loop dss)	HUMBEL ROGER M.

Family 1/28 - FAMPAT - ©Questel

Title

(EP1837799)

Module with **RFID tag** and associated bridge **antenna****Images****Publication numbers with kind code & date**

EP1837799	B1	2015-07-08	EP1837799
KR101353271	B1	2014-01-22	KR101353271
JP5069025	B2	2012-08-24	JP5069025
CN101042740	B	2011-10-19	CN101042740B
US7432817	B2	2008-10-07	US7432817
EP1837799	A3	2008-06-18	EP1837799
JP2007259441	A	2007-10-04	JP2007259441
KR20070096900	A	2007-10-02	KR20070096900
US20070222606	A1	2007-09-27	US20070222606
CN101042740	A	2007-09-26	CN101042740
EP1837799	A2	2007-09-26	EP1837799

**Abstract**

US20100079253	A1	2010-04-01	US20100079253				
US7642916	B2	2010-01-05	US7642916				
EP1837798	A3	2008-08-06	EP1837798				
JP2007259442	A	2007-10-04	JP2007259442				
KR20070096898	A	2007-10-02	KR20070096898				
US20070222604	A1	2007-09-27	US20070222604				
EP1837798	A2	2007-09-26	EP1837798				

Abstract

(EP1837798)

An **RFID** bridge **antenna** is positioned between a **tag** (24) **antenna** associated with a **tag** (12) and a reader **antenna** associated with a reader (14). The bridge includes at least two RF **antenna** elements (16,18) spaced apart from one another and coupled together by an electrical conductor (20). The first RF **antenna** element (18) is located proximate to the **tag antenna** (24) and the second RF **antenna** element (16) is located proximate to the reader **antenna**. An electromagnetic carrier signal transmitted by the reader **antenna** is received by one of the RF **antenna** element and retransmitted to the **tag antenna** by the other RF **antenna** element, increasing the distance over which the **tag** can communicate with the reader. Where the **tag** (12) is attached to a packaged object, the **RFID** bridge **antenna** may be included in the package to allow wireless data communication between the **tag** and a reader. The reader (14) may also be located external to the package. For example, one of the RF **antenna** elements may be attached to a label on the package, allowing data stored in the **tag** to be extracted by the external reader. The object may be a module, also known as a customer replaceable unit (CRU), and the **tag** may be configured as a customer replaceable unit monitor (CRUM).

Inventors

PHIPPS WILLIAM H

RODRIGUEZ ALBERTO

BELL SCOTT J

ROMMELMANN HEIKO

Latest standardized assignees - inventors removed

XEROX

Family 3/28 - FAMPAT - ©Questel

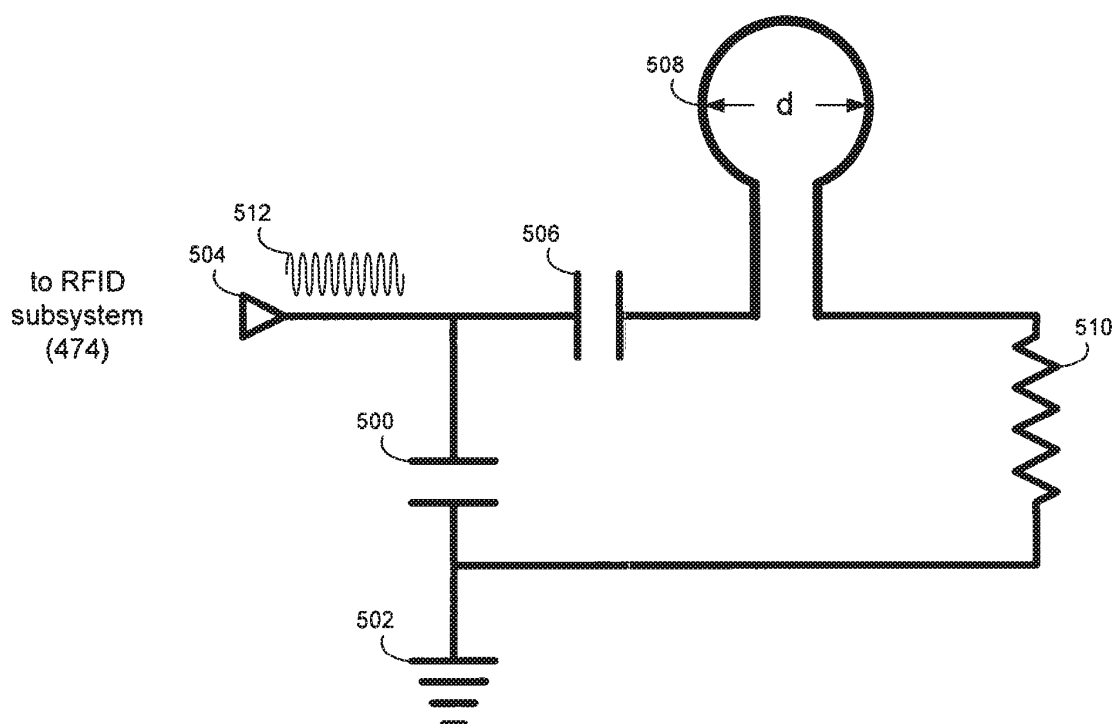
Title

(EP2188869)

Rfid system and method

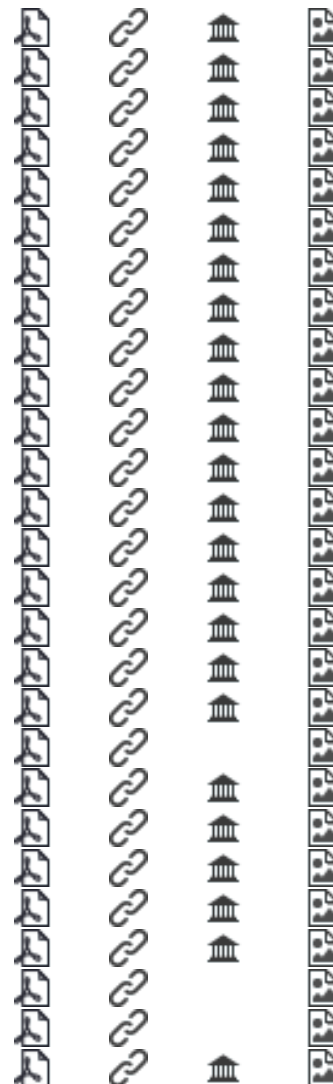
Images

452

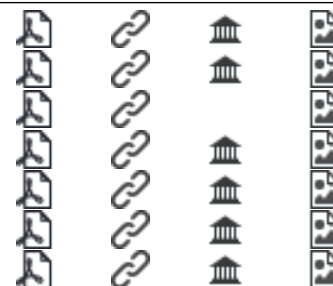


Publication numbers with kind code & date

IN334439	B	2020-03-12	IN-334439
US20200065642	A1	2020-02-27	US20200065642
US10467520	B2	2019-11-05	US10467520
US20190236431	A1	2019-08-01	US20190236431
US10255543	B2	2019-04-09	US10255543
EP2188869	B1	2018-11-07	EP2188869
JP6297402	B2	2018-03-20	JP6297402
US20170116508	A1	2017-04-27	US20170116508
US9542578	B2	2017-01-10	US9542578
JP2016149783	A	2016-08-18	JP2016149783
CN101849320	B	2015-12-16	CN101849320B
US20150205983	A1	2015-07-23	US20150205983
US8994599	B2	2015-03-31	US8994599
BRPI0817085	A2	2015-03-24	BR200817085
US8878736	B2	2014-11-04	US8878736
JP2014168289	A	2014-09-11	JP2014168289
JP5572246	B2	2014-07-04	JP5572246
AU2008296060	B2	2014-06-05	AU2008296060
RU2503100	C2	2013-12-27	RU2503100
JP5439376	B2	2013-12-20	JP5439376
US20130334317	A1	2013-12-19	US20130334317
JP2013178811	A	2013-09-09	JP2013178811
EP2188869	A4	2013-01-02	EP2188869
US8325045	B2	2012-12-04	US8325045
ZA201002227	B	2011-10-26	ZA201002227
RU2010113008	A	2011-10-20	RU2010113008
JP2010538402	A	2010-12-09	JP2010538402



CN101849320	A	2010-09-29	CN101849320
IN1311/CHENP/2010	A	2010-08-13	IN2010CN01311
MX2010002672	A	2010-06-01	MX2010002672
EP2188869	A1	2010-05-26	EP2188869
AU2008296060	A1	2009-03-12	AU2008296060
US20090069925	A1	2009-03-12	US20090069925
WO2009/033087	A1	2009-03-12	WO200933087



Abstract

(EP2188869)

An **RFID** system includes an **RFID antenna** assembly configured to be positioned on a product module assembly of a processing system. The product module assembly is configured to releasably engage at least one product **container**. A first **RFID tag** assembly configured to be positioned on the at least one product **container**. The at least one product **container** is configured to position the first **RFID tag** assembly within a detection zone of the **RFID antenna** assembly whenever the product module assembly releasably engages the at least one product **container**.

Inventors

DATTOLO JAMES JASON

BLUMBERG DAVID

VANWYK ERIC

Latest standardized assignees - inventors removed

DEKA PRODUCTS

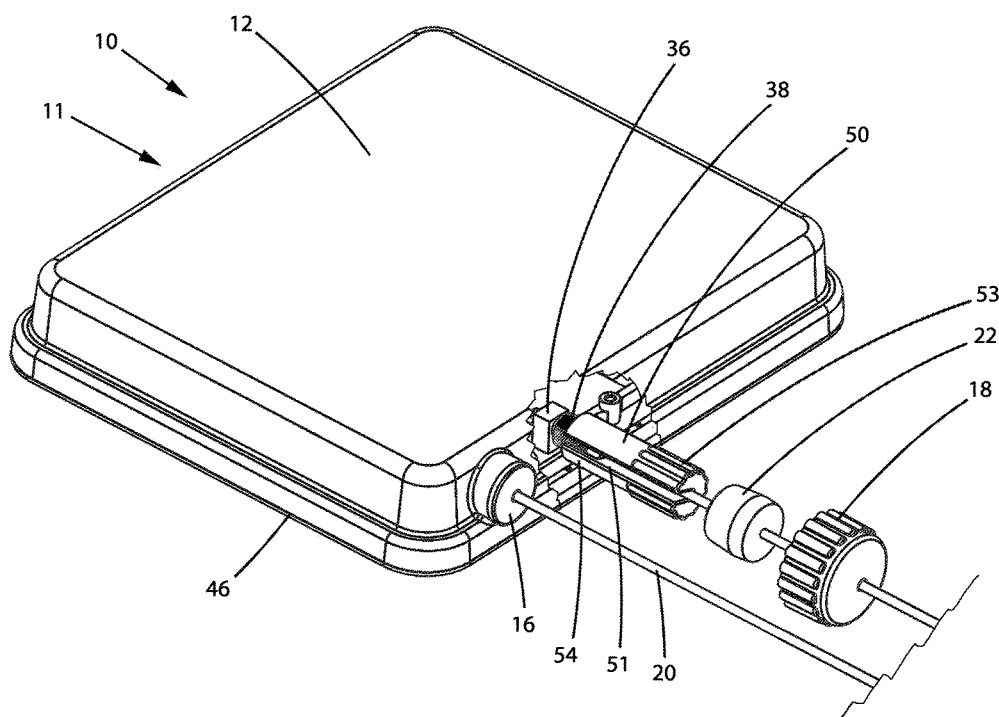
Family 4/28 - FAMPAT - ©Questel

Title

(US9818273)

Secure passive **RFID tag** with **seal**

Images



Publication numbers with kind code & date

[US9818273](#)

B2 2017-11-14

US9818273



US20150310715

A1

2015-10-29

US20150310715

**Abstract**

(US20150310715)

A secure passive **RFID tag** system comprises at least one base station and at least one passive **RFID tag**. The **tag** includes a fiber optic cable with the cable ends sealed within the **tag** and the middle portion forming an external loop. The loop may be secured to at least portions of an object. The **tag** transmits and receives an optical signal through the fiber optic cable, and the cable is configured to be damaged or broken in response to removal or tampering attempts, wherein the optical signal is significantly altered if the cable is damaged or broken. The **tag** transmits the optical signal in response to receiving a radio signal from the base station and compares the transmitted optical signal to the received optical signal. If the transmitted optical signal and the received optical signal are identical, the **tag** transmits an affirmative radio signal to the base station.

Inventors

NEKOOGAR FARANAK

REYNOLDS MATTHEW

LEFTON SCOTT

DOWLA FARID

TWOGOOD RICHARD

Latest standardized assignees - inventors removed

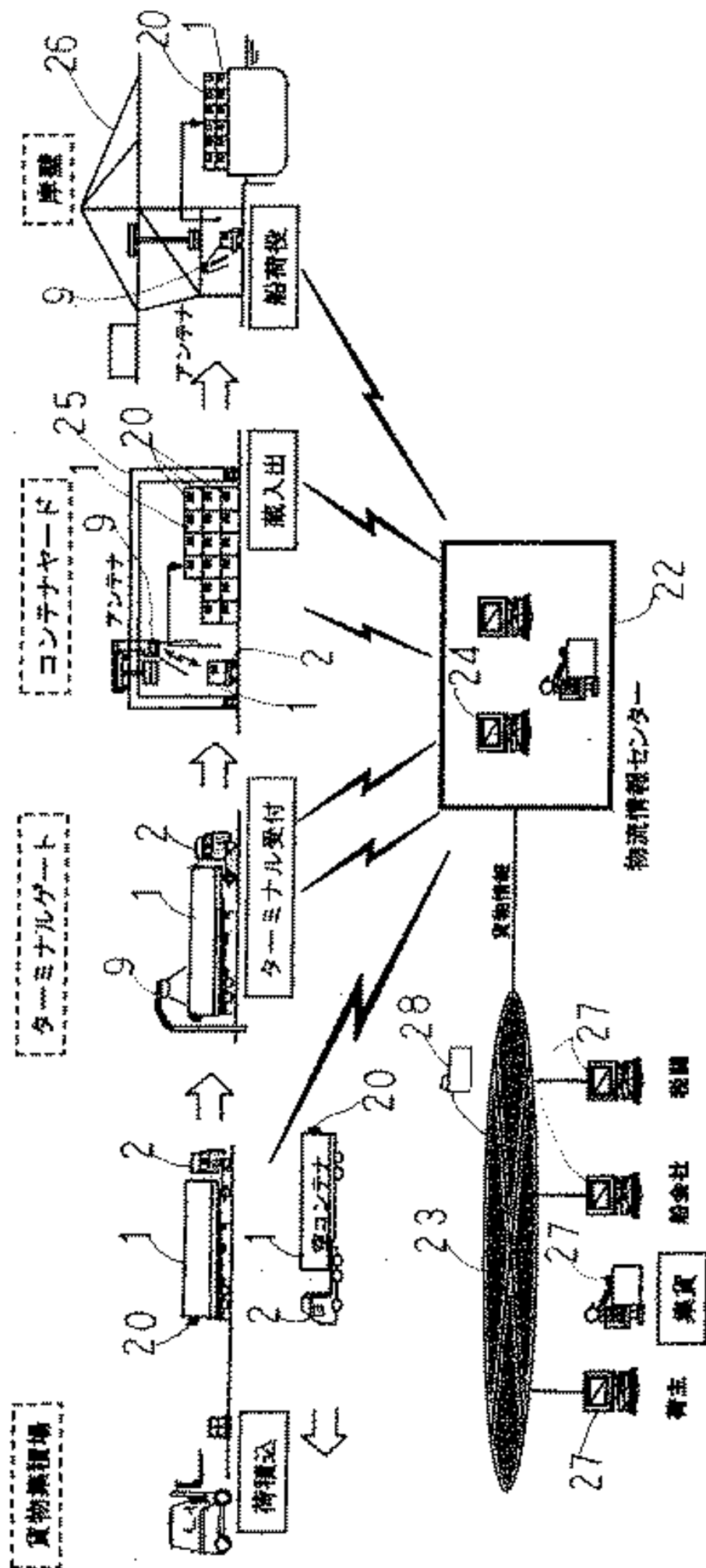
DIRAC SOLUTIONS

Family 5/28 - FAMPAT - ©Questel

Title

(JP2003034442)

Container control method in **container** terminal, control device and radio ic key **seal tag****Images**



Publication numbers with kind code & date

JP4632011	B2	2010-11-26	JP4632011
JP2003034442	A	2003-02-07	JP2003034442

**Abstract**

(JP2003034442)

PROBLEM TO BE SOLVED: To transform control of a **container** 1 in a **container** terminal into IT.

SOLUTION: A harbor information network 23 is constructed among a physical distribution information center 22 of the **container** terminal and a shipper, a cargo collecting dealer, a shipping company, and customhouse. A file or a holder 28 attached with a key number is made in response to the individual **container** 1 for communication in the network 23. Physical distribution information on a **container** number, a **seal** number, and a loading cargo is preserved in the file or the holder 28. A radio IC key **seal tag** 20 for transmitting the **seal** number only in a sealed state, and transmitting the key number even in an unsealed state is attached on the **container** 1, and communicates with an **antenna** 9 installed in a terminal gate, a yard crane 25, and a **container** crane 26, and is made to correspond to the file or the holder by retrieving the file or the holder 28 by the key number to control the **container** 1.

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Inventors

KAWASE AKIRA

Latest standardized assignees - inventors removed

IHI

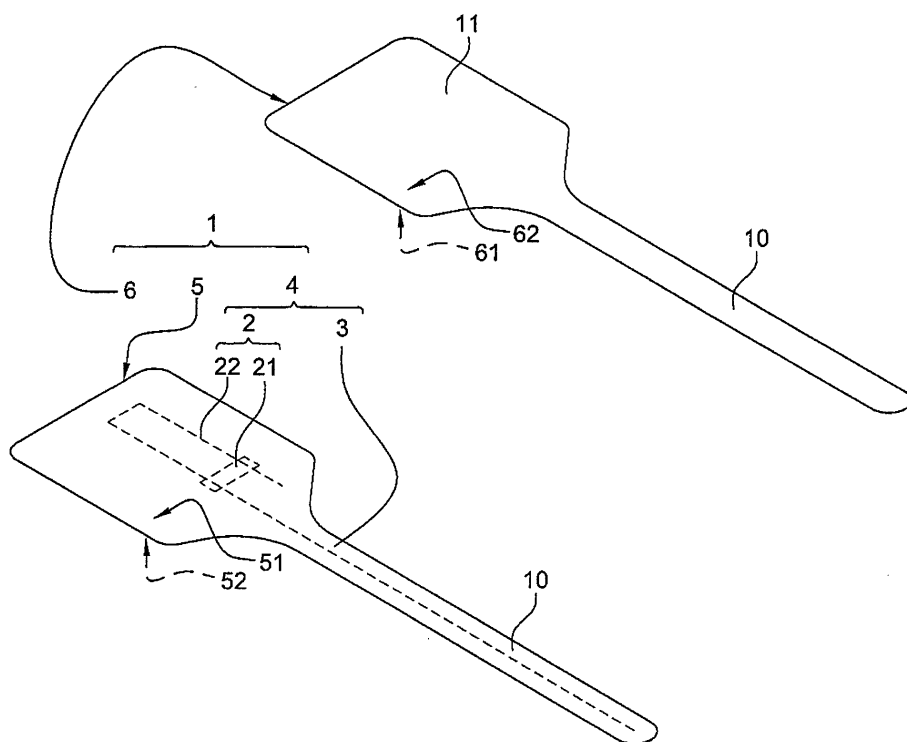
Family 6/28 - FAMPAT - ©Questel

Title

(WO201204532)

Rfid tag, moulded part comprising such a **tag** and a method for manufacturing such a part

Images



Publication numbers with kind code & date

FR2962576	B1	2013-06-14	FR2962576
FR2962576	A1	2012-01-13	FR2962576
WO2012/004532	A1	2012-01-12	WO201204532



Abstract

(WO2012/004532)

This **RFID tag** (1) comprises an integrated circuit (2) and an **antenna** (3) which are connected so as to form an **RFID tag**. The **tag** (1) furthermore comprises sheets (5, 6) made of an electrically insulating material, between which the integrated circuit (2) and the **antenna** (3) are placed. The sheets (5, 6) are rigidly connected to each other so as to envelop the integrated circuit (2) and the **antenna** (3). Each sheet comprises a plastic layer and a layer made of a thermally stable material. An external surface is designed to be partially wettable or non-wettable by a thermoplastic polymer in the injected state.

Inventors

DUBLY FREDERIC
DUBLY GREGORY
SIMONE NICOLAS

Latest standardized assignees - inventors removed

DSI

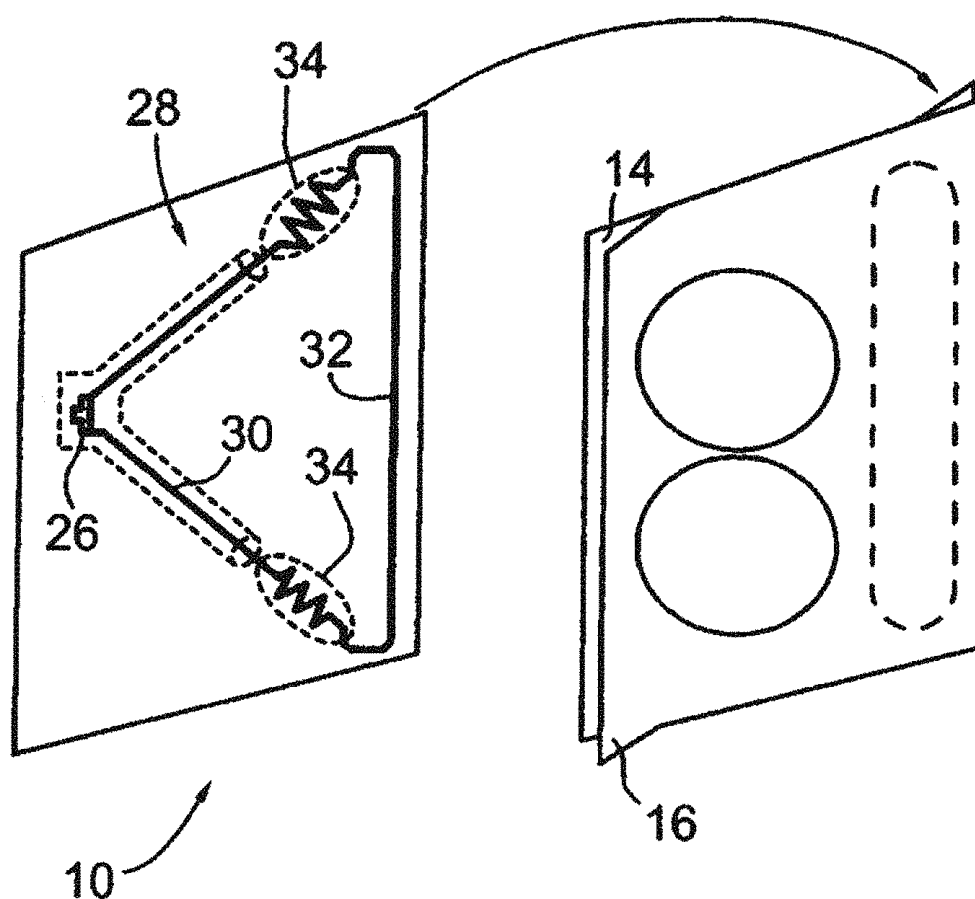
Family 7/28 - FAMPAT - ©Questel

Title

(US20060145870)

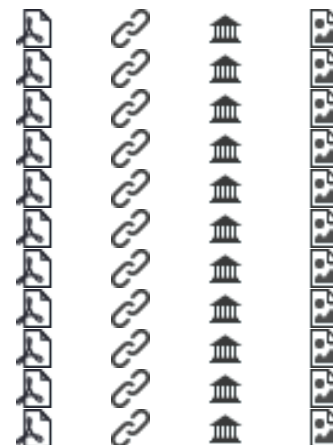
Container including a tamper-resistant **seal** and to a radio frequency identification **seal**

Images



Publication numbers with kind code & date

US10008083	B2	2018-06-26	US10008083
US20170024989	A1	2017-01-26	US20170024989
US9483724	B2	2016-11-01	US9483724
US20150332142	A1	2015-11-19	US20150332142
CA2523832	C	2015-07-07	CA2523832
US9070068	B2	2015-06-30	US9070068
US20120235815	A1	2012-09-20	US20120235815
US8063779	B2	2011-11-22	US8063779
US20080266109	A1	2008-10-30	US20080266109
US20060145870	A1	2006-07-06	US20060145870
CA2523832	A1	2006-04-19	CA2523832



Abstract

(US20060145870)

A radio frequency identification **seal** comprises an **antenna** including a main **antenna** portion and at least one break-away portion and an **RFID tag** coupled and tuned to the **antenna**. The **RFID tag** outputs a signature in response to a scanning signal when tuned to the **antenna**.

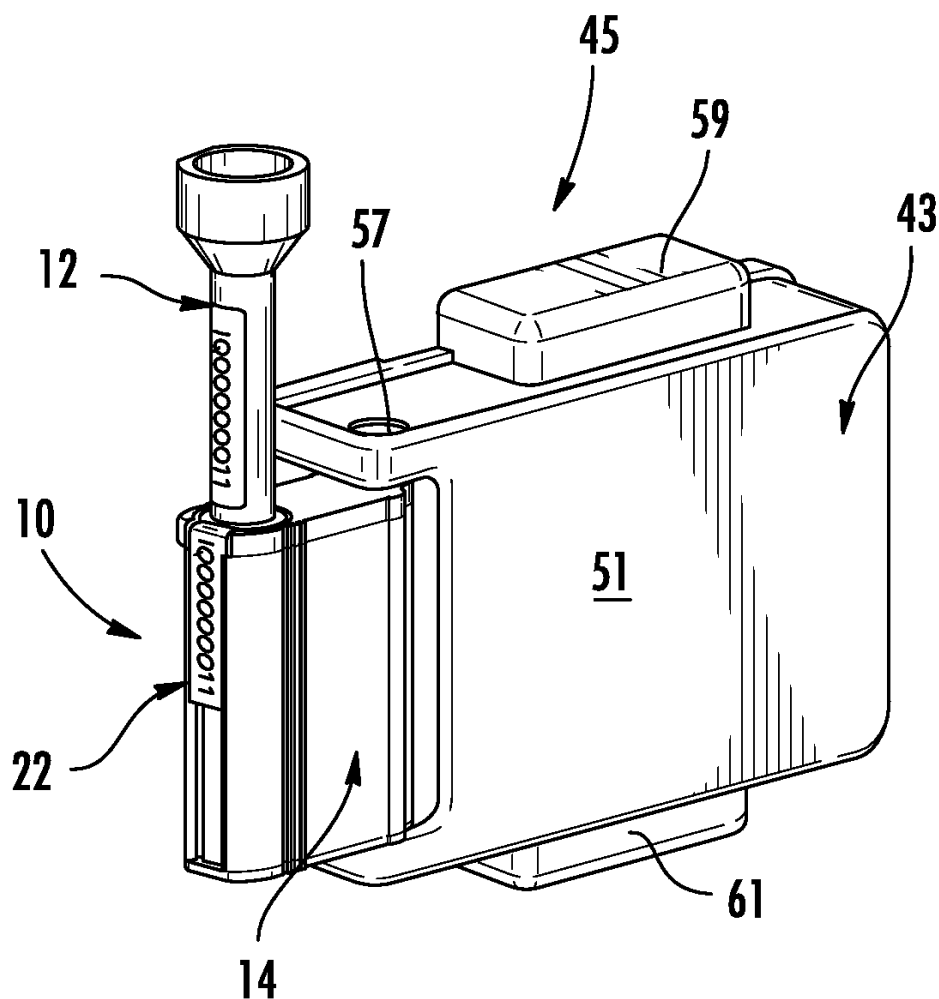
Inventors

COVELEY MICHAEL E
MILUTINOVIC SRDJAN
HUANG YUPING

Family 8/28 - FAMPAT - ©Questel

Title

(US20100214077)

Reusable locking body, of bolt-type **seal** lock, having open-ended passageway and u-shaped bolt**Images****Publication numbers with kind code & date**

US7938459	B2	2011-05-10	US7938459
US7900980	B2	2011-03-08	US7900980
US7883126	B2	2011-02-08	US7883126
US7883127	B2	2011-02-08	US7883127
US7883128	B2	2011-02-08	US7883128
US7828343	B2	2010-11-09	US7828343
US7828344	B2	2010-11-09	US7828344
US7828345	B2	2010-11-09	US7828345
US7828346	B2	2010-11-09	US7828346
US20100214077	A1	2010-08-26	US20100214077
US20090179437	A1	2009-07-16	US20090179437
US20090146437	A1	2009-06-11	US20090146437
US20090126424	A1	2009-05-21	US20090126424
US20090127873	A1	2009-05-21	US20090127873
US20090115200	A1	2009-05-07	US20090115200
US20090115201	A1	2009-05-07	US20090115201
US20090115202	A1	2009-05-07	US20090115202
US20090108596	A1	2009-04-30	US20090108596



US20090108597

A1

2009-04-30

US20090108597

**Abstract**

(US20100214077)

The system described here is an improvement on ways to provide security and supply chain tracking for shipping containers. The system has a bolt-type **seal** lock module mounted on the **container** that has data storage capability and the capability to sense when the bolt is cut or certain environmental changes like impact. The system also includes a bolt-type **seal** lock that has data storage capability. The electronics module can be connected via wireless means to a centralized data base for the interchange of data. Individual modules or **seal** locks can be networked with each other to transmit data to and from a stack of metal shipping containers.

Inventors

TERRY DANIEL J

KENNEY DANIEL

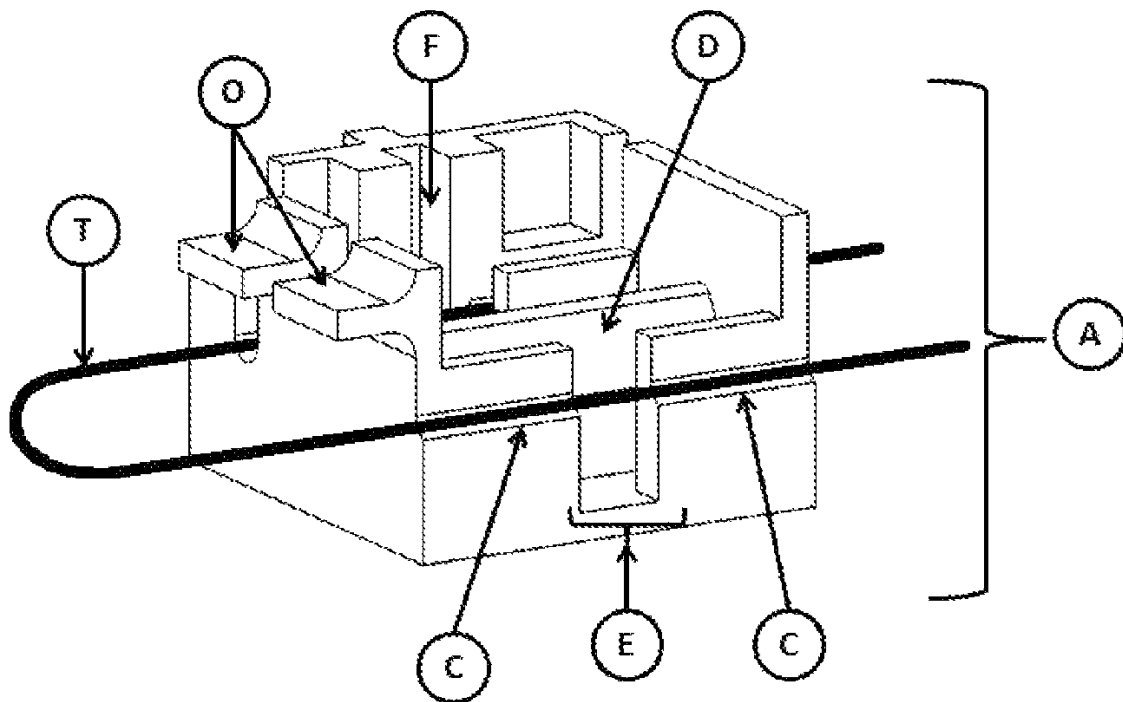
Latest standardized assignees - inventors removed

GOOGLE

Family 9/28 - FAMPAT - ©Questel

Title

(EP3346456)

Tamper-evident **seal** for electricity meters**Images****Publication numbers with kind code & date**

RU2720974	C2	2020-05-15	RU2720974
AU2016316512	B2	2020-03-26	AU2016316512
CA2997008	C	2020-03-24	CA2997008
RU2018110797	A	2019-10-02	RU2018110797
RU2018110797	A3	2019-10-02	RU2018110797
US10431127	B2	2019-10-01	US10431127
EP3346456	A4	2019-04-24	EP3346456
US20180247571	A1	2018-08-30	US20180247571
CN108352136	A	2018-07-31	CN108352136
EP3346456	A1	2018-07-11	EP3346456



AU2016316512	A1	2018-04-19	AU2016316512
BR112018004293	A1	2018-04-03	BR112018004293
CA2997008	A1	2017-03-09	CA2997008
WO2017/039428	A1	2017-03-09	WO201739428

**Abstract**

(EP3346456)

This invention is referred to a guarantee **seal** for non-opening electrical energy consumption meters with mechanical **seal** type padlock, disposable of a single use; for sealing or closing some **container**, box, **door**, cabinet, meter, valve, pump, bag, carrier bag, water tank, etc., meanly used for the electricity meters commonly used in countries of North America, Central and South America; whose purpose is protecting and controlling the electricity theft, guarantying its immobility. Such guarantee **seal** has a unique shape that fits exactly with the cavities of the meters and it gets in by pressure, therefore if the **seal** is located outside of such cavity its external manipulation is evident, furthermore, it has a lid, a base, a verification system by continuity and **tag** or **RFID tag** to ensure the integrity of such **seal**.

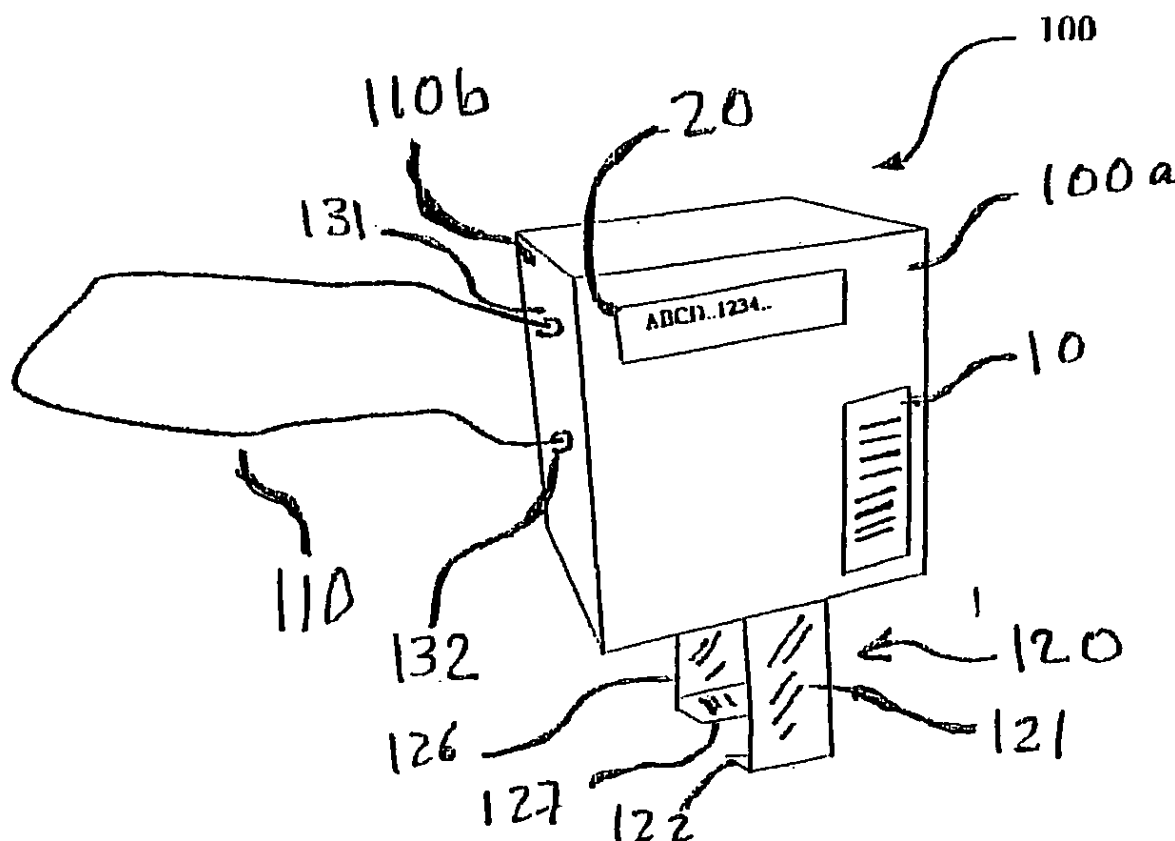
Inventors

ITURRIA MACAZAGA GUILLERMO

Family 10/28 - FAMPAT - ©Questel

Title

(WO200684255)

Electronic **seal** and method of **container** tracking**Images****Publication numbers with kind code & date**

WO2006/084255	A3	2007-11-08	WO200684255
US20060202824	A1	2006-09-14	US20060202824
WO2006/084255	A2	2006-08-10	WO200684255

**Abstract**

(WO2006/084255)

An electronic device for the sealing of shipping containers is accessible through an **RFID** system controlled by a microprocessor having an internal memory. The device has a small case with a tamper and spoof proof security cable. One end of the cable is permanently attached to the case while the other end is threaded across the center **door** joint and around the two inner vertical locking rods of the **container**. The loose end is then inserted and locked into a port on the case. Tampering will result in severing the cable and causing the time of this event to be logged in the memory of the device. A separate electronic reader will access the logged memory of the device and then transmit the logged data to a central database. The device has a unique and invariant electronic identification number that will be transmitted to a reader on demand.

Inventors

CARROLL MICHAEL GLEN

WYSKIEL DAVID EDWARD

GIANNI RICHARD

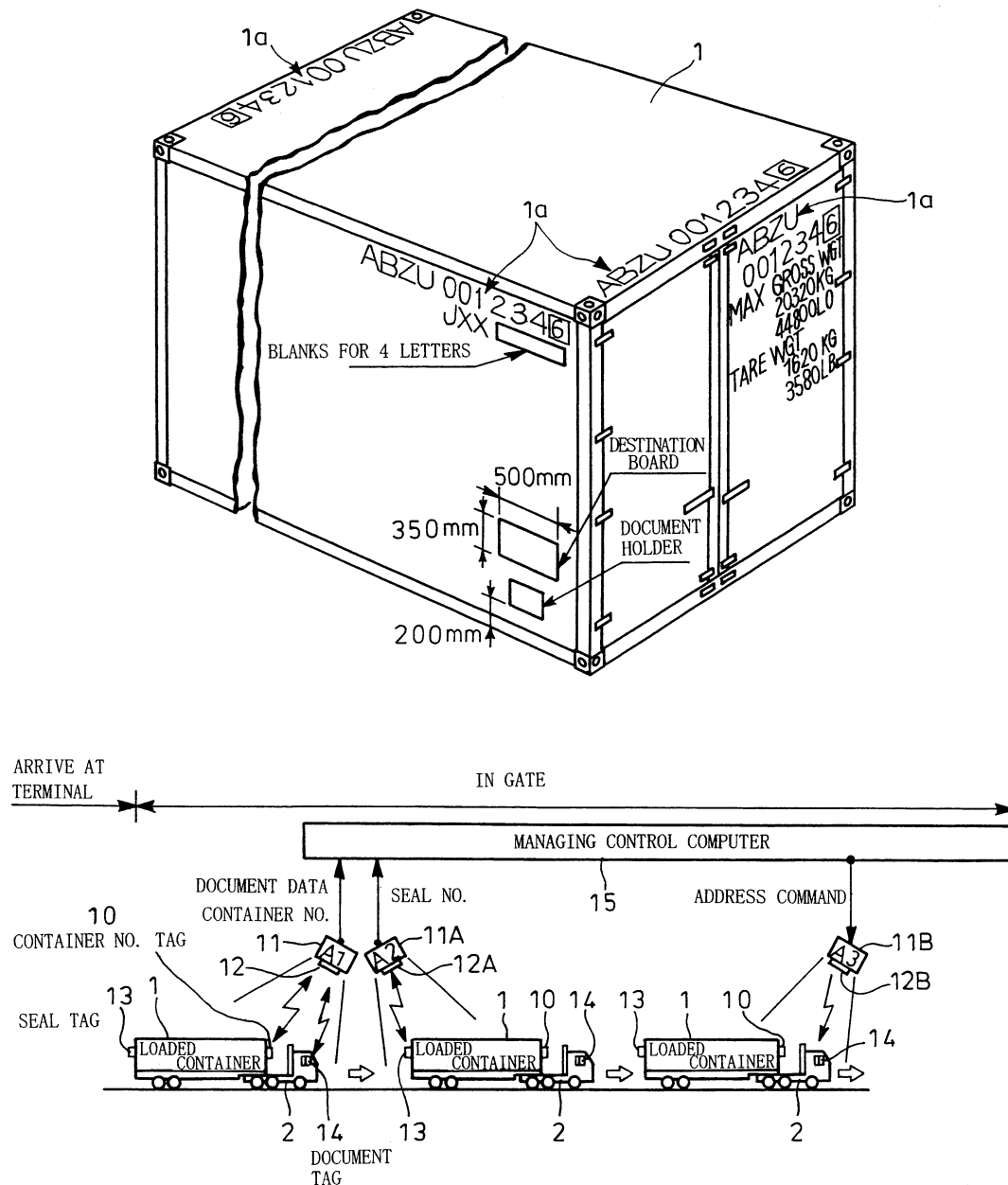
Latest standardized assignees - inventors removed**CONTAINER** SECURITY

Family 11/28 - FAMPAT - ©Questel

Title

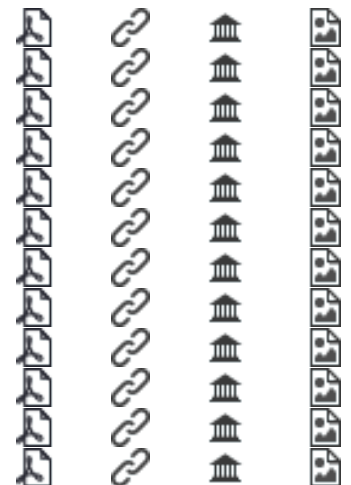
(EP1182154)

Method and apparatus for **container** management**Images**



Publication numbers with kind code & date

EP1182154	A4	2007-12-26	EP1182154
US6665585	B2	2003-12-16	US6665585
US20020161675	A1	2002-10-31	US20020161675
EP1182154	A1	2002-02-27	EP1182154
JP2001240246	A	2001-09-04	JP2001240246
JP2001240247	A	2001-09-04	JP2001240247
JP2001240248	A	2001-09-04	JP2001240248
JP2001220019	A	2001-08-14	JP2001220019
WO01/56907	A1	2001-08-09	WO200156907
JP2001213522	A	2001-08-07	JP2001213522
JP2001213523	A	2001-08-07	JP2001213523
JP2001213524	A	2001-08-07	JP2001213524



Abstract

(EP1182154)

A radio IC number tag (10) having a container number (1a) inputted is applied on a container (1); a radio document tag (14) having container (1) physical distribution information inputted is set to a trailer (2); and a radio antenna (11) is arranged at a gate of a container terminal. Upon passage of the trailer (2) through the gate, the radio antenna (11) receives the physical

distribution information transmitted from the radio IC document **tag** (14) while reading the **container** number from the radio IC number **tag** (10) applied on the **container** (1). Such information is sent to a physical distribution information center (31). A computer (31a) in the physical distribution information center (31) checks up the **container** number (1a) with the physical distribution information and the like for confirmation and data-processing to send a command signal for a storage address to the trailer (2) through the radio **antenna** (11). <IMAGE>

Inventors

KAWASE AKIRA

Latest standardized assignees - inventors removed

ISHIKAWAJIMA TRANSPORT MACHINERY

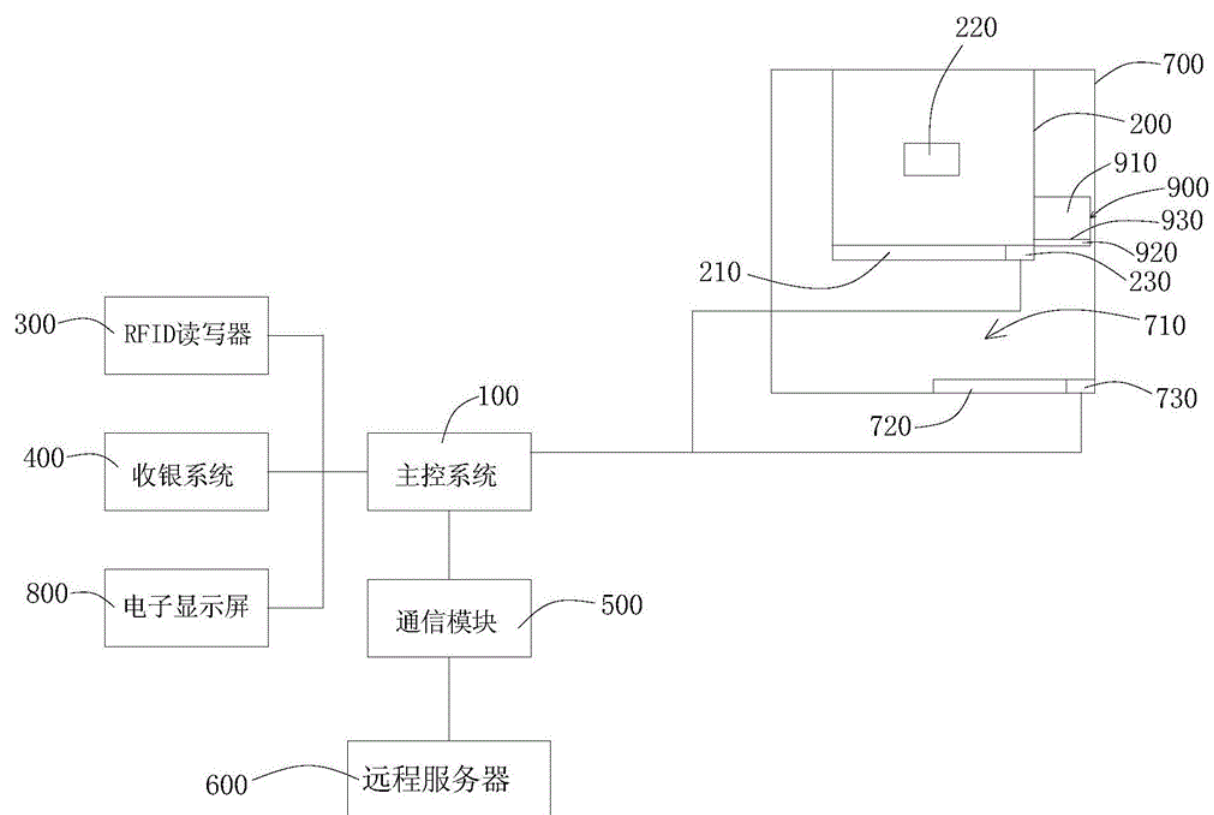
Family 12/28 - FAMPAT - ©Questel

Title

(CN205788523U)

Intelligent vending machine who has heating device based on internet of things

Images



Publication numbers with kind code & date

[CN205788523](#)

U

2016-12-07

CN205788523U



Abstract

(CN205788523)

The utility model discloses an intelligent vending machine who has heating device based on internet of things, include: a major control system, an at least packing cupboard is provided with a packing cupboard **door** of being connected with major control system on each packing cupboard, install an at least **RFID antenna** in each packing cupboard, a **RFID** read write line of being connected with major control system, a cashier system who is connected with major control system, a network communication module who is connected with major control system, major control system passes through network communication module and is connected with communicating with a remote server, and a peripheral enclosed construction, peripheral enclosed construction be provided with one install one with the through **door** of major control system's first electronic lock, be located in the peripheral enclosed construction one side of packing cupboard is provided with a heating device. When the customer need heats the food that takes out from the packing cupboard in, client direct with food put into heating device heat can, satisfy client and to the demand of food heating, has also improved client's shopping experience

simultaneously.

Inventors

LI XINGMING

Latest standardized assignees - inventors removed

SHANGHAI CHAIN DATA TECHNOLOGY

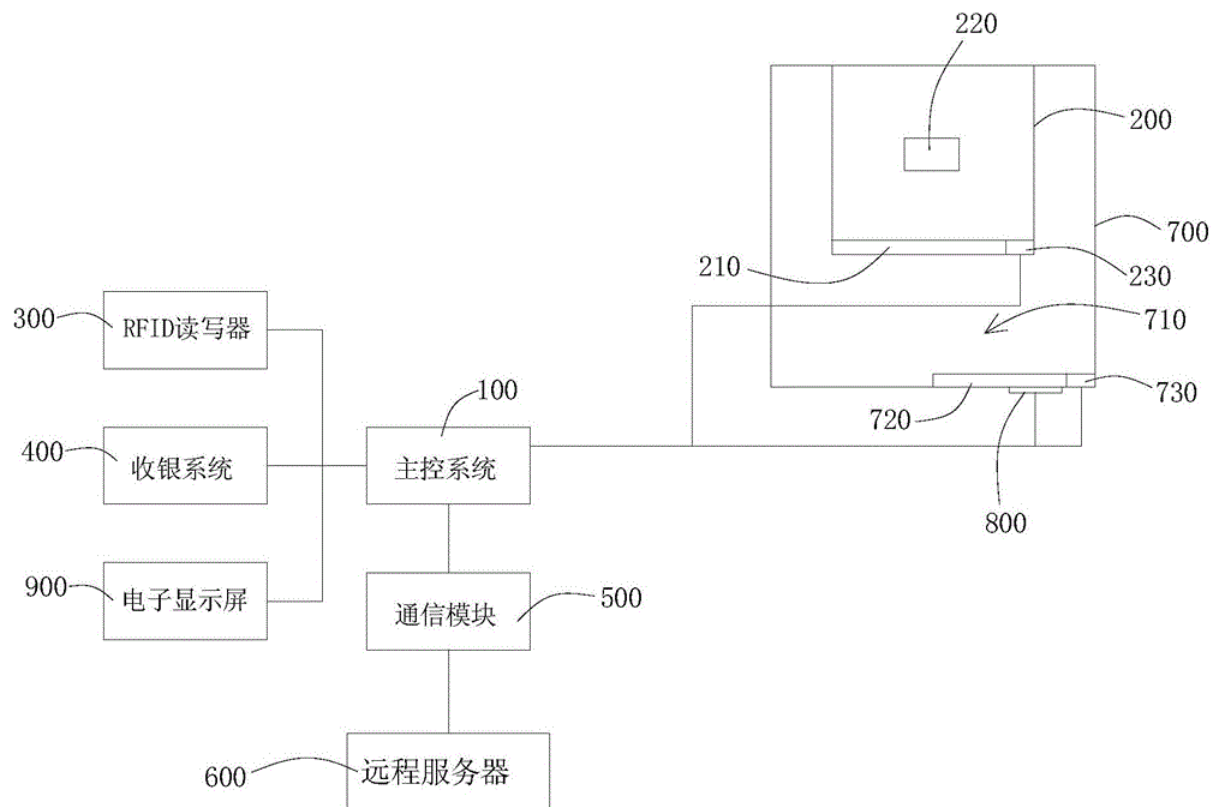
Family 13/28 - FAMPAT - ©Questel

Title

(CN206133782U)

Intelligent vending machine who has fingerprint identification function based on internet of things

Images



Publication numbers with kind code & date

[CN206133782](#)

U

2017-04-26

CN206133782U



Abstract

(CN206133782)

The utility model discloses an intelligent vending machine who has fingerprint identification function based on internet of things, include: a major control system, an at least packing cupboard is provided with a packing cupboard **door** of being connected with major control system on each packing cupboard, install an at least **RFID antenna** in each packing cupboard, a **RFID** read write line of being connected with major control system, a cashier system who is connected with major control system, a network communication module who is connected with major control system, major control system passes through network communication module and is connected with communicating with a remote server, and a peripheral enclosed construction, peripheral enclosed construction be provided with one install one with the through **door** of major control system's first electronic lock, be provided with on the through **door**'s of peripheral enclosed construction lateral surface one with major control system fingerprint identification device even, the storage has the fingerprint information bank that has the client that buys the qualification in the remote server. The utility model discloses it does shopping to restrict the movable region that specific client could get into in the peripheral enclosed construction effectively.

Inventors

LI XINGMING

Latest standardized assignees - inventors removed

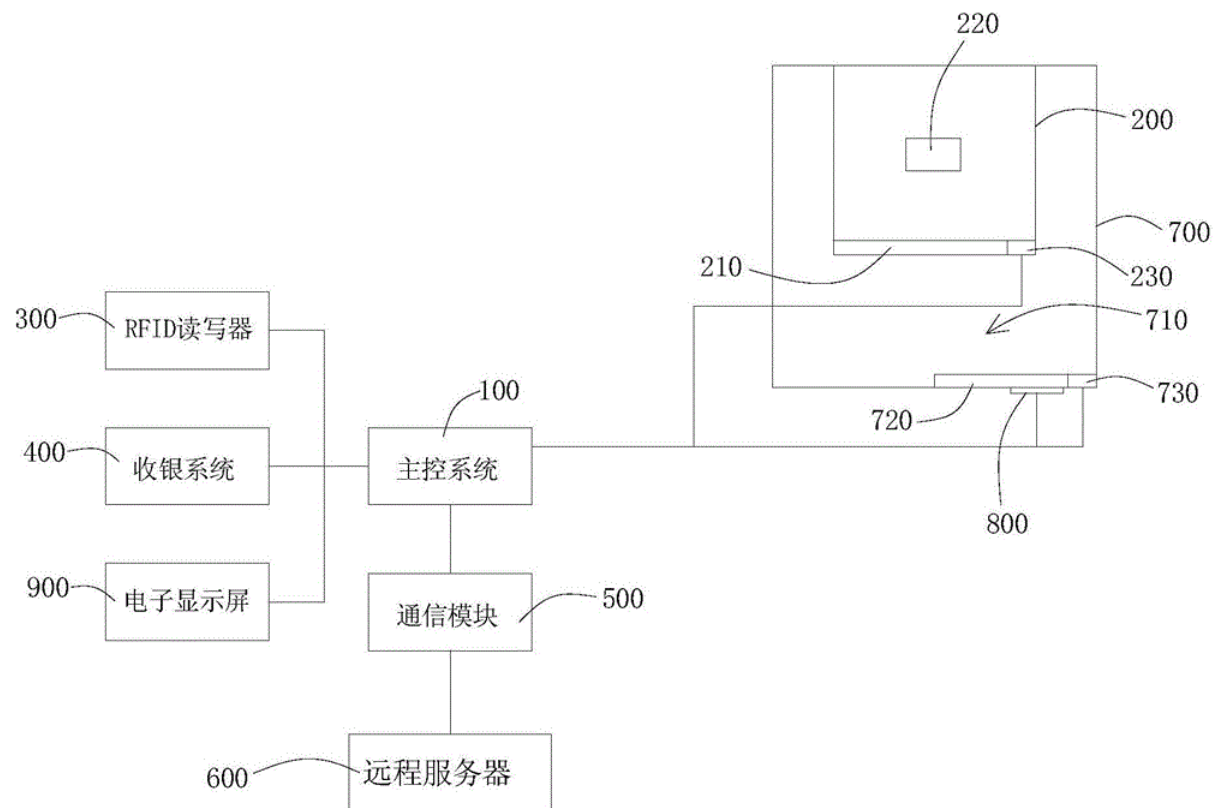
SHANGHAI CHAIN DATA TECHNOLOGY

Family 14/28 - FAMPAT - ©Questel

Title

(CN206097289U)

Intelligent vending machine who has face identification function based on internet of things

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

CN206097289

U

2017-04-12

CN206097289U

**Abstract**

(CN206097289)

The utility model discloses an intelligent vending machine who has face identification function based on internet of things, include: a major control system, an at least packing cupboard is provided with a packing cupboard door of being connected with major control system on each packing cupboard, install an at least RFID antenna in each packing cupboard, a RFID read write line of being connected with major control system, a cashier system who is connected with major control system, a network communication module who is connected with major control system, major control system passes through network communication module and is connected with communicating with a remote server, and a peripheral enclosed construction, peripheral enclosed construction be provided with one install one with the through door of major control system's first electronic lock, be provided with on the through door's of peripheral enclosed construction lateral surface one with major control system face identification device even, the storage has the facial image information bank that has the client that buys the qualification in the remote server. The utility model discloses it does shopping to restrict the movable region that specific client could get into in the peripheral enclosed construction effectively.

Inventors

LI XINGMING

Latest standardized assignees - inventors removed

SHANGHAI CHAIN DATA TECHNOLOGY

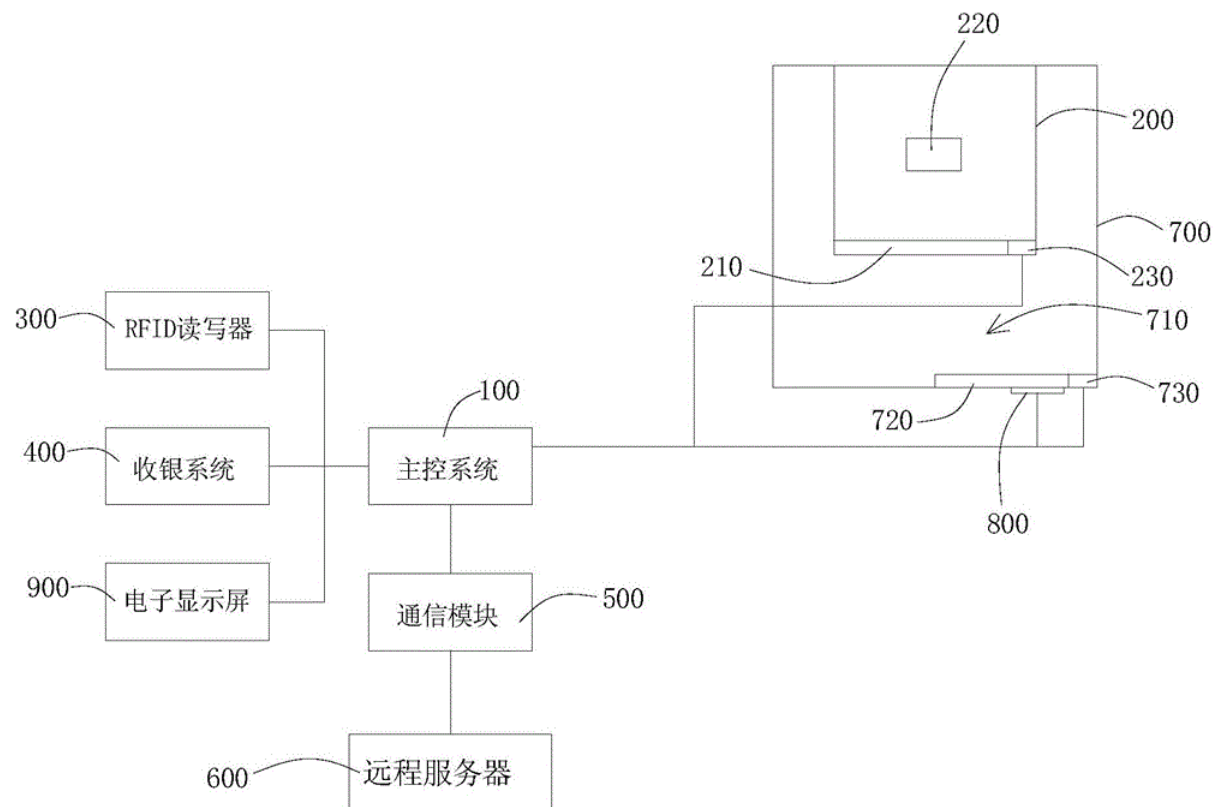
Family 15/28 - FAMPAT - ©Questel

Title

(CN206097288U)

Intelligent vending machine who has voice recognition function based on internet of things

Images



Publication numbers with kind code & date

CN206097288

U

2017-04-12

CN206097288U



Abstract

(CN206097288)

The utility model discloses an intelligent vending machine who has voice recognition function based on internet of things, include: a major control system, an at least packing cupboard is provided with a packing cupboard **door** of being connected with major control system on each packing cupboard, install an at least **RFID antenna** in each packing cupboard, a **RFID** read write line of being connected with major control system, a cashier system who is connected with major control system, a network communication module who is connected with major control system, major control system passes through network communication module and is connected with communicating with a remote server, and a peripheral enclosed construction, peripheral enclosed construction be provided with one install one with the through **door** of major control system's first electronic lock, be provided with on the through **door**'s of peripheral enclosed construction lateral surface one with major control system voice recognition device even, the storage has the audio information storehouse that has the client that buys the qualification in the remote server. The utility model discloses it does shopping to restrict the movable region that specific client could get into in the peripheral enclosed construction effectively.

Inventors

LI XINGMING

Latest standardized assignees - inventors removed

SHANGHAI CHAIN DATA TECHNOLOGY

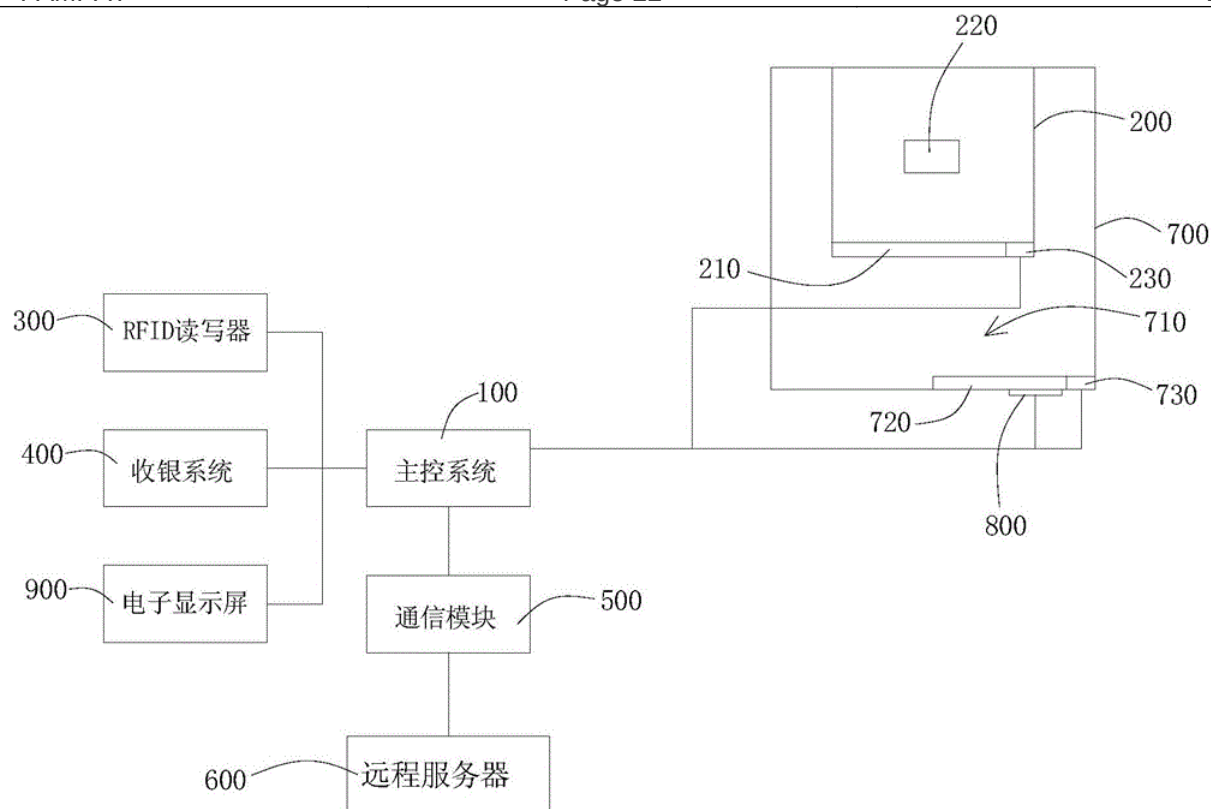
Family 16/28 - FAMPAT - ©Questel

Title

(CN206097287U)

Intelligent vending machine who has two -dimensional code recognition function based on internet of things

Images



Publication numbers with kind code & date

CN206097287

U

2017-04-12

CN206097287U



Abstract

(CN206097287)

The utility model discloses an intelligent vending machine who has two -dimensional code recognition function based on internet of things, include: a major control system, an at least packing cupboard is provided with a packing cupboard **door** of being connected with major control system on each packing cupboard, install an at least **RFID antenna** in each packing cupboard, a **RFID** read write line of being connected with major control system, a cashier system who is connected with major control system, a network communication module who is connected with major control system, major control system passes through network communication module and is connected with communicating with a remote server, and a peripheral enclosed construction, peripheral enclosed construction be provided with one install one with the through **door** of major control system's first electronic lock, be provided with on the through **door**'s of peripheral enclosed construction lateral surface one with major control system two -dimensional code recognition device even, the storage has the two -dimensional coded data who has the client that buys the qualification according to the storehouse in the remote server. The utility model discloses it does shopping to restrict the movable region that specific client could get into in the peripheral enclosed construction effectively.

Inventors

LI XINGMING

Latest standardized assignees - inventors removed

SHANGHAI CHAIN DATA TECHNOLOGY

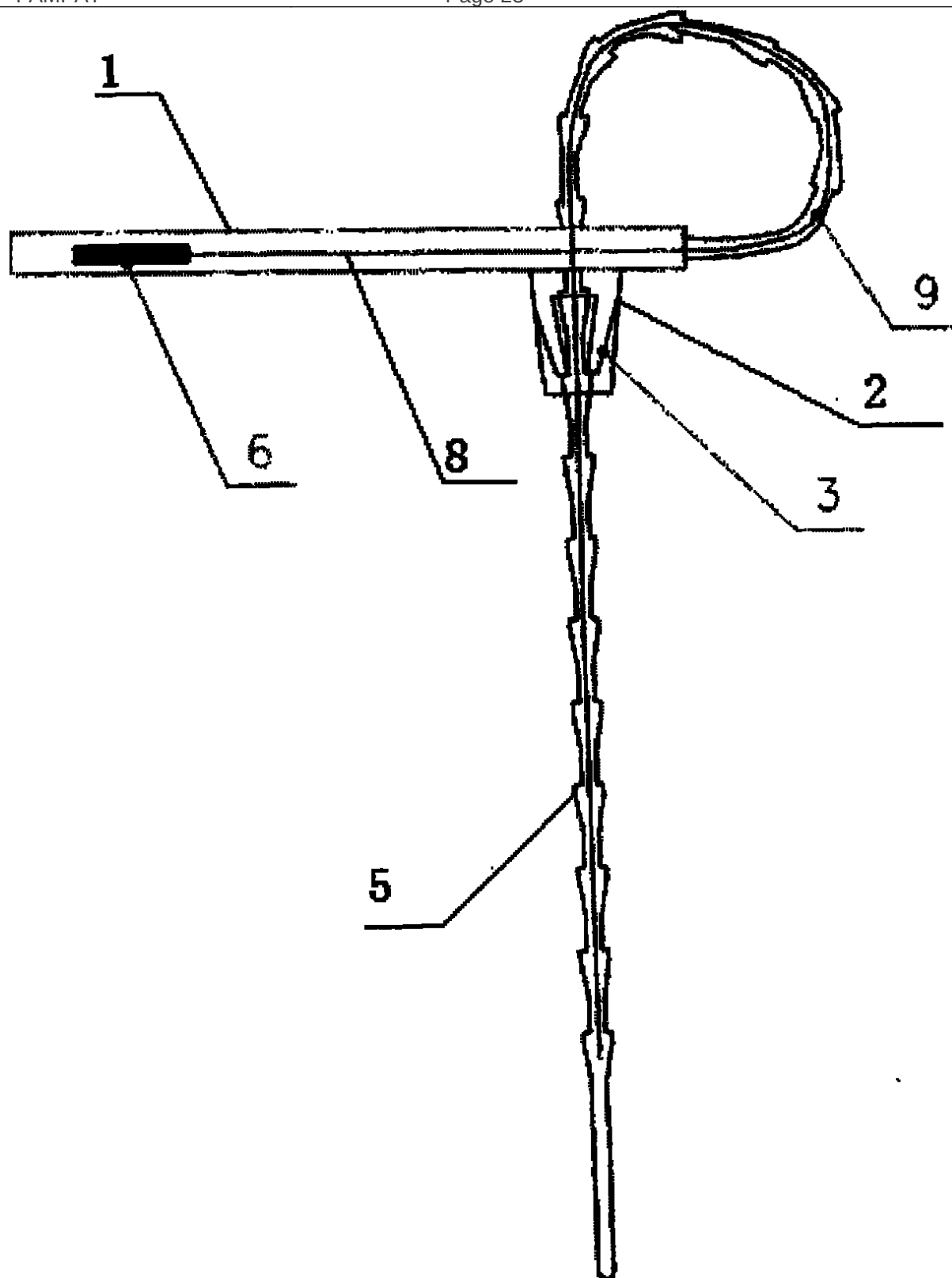
Family 17/28 - FAMPAT - ©Questel

Title

(CN101964069B)

Ribbon-type electronic **seal**, manufacturing method and special mould thereof

Images



Publication numbers with kind code & date

CN101964069	B	2013-09-04	CN101964069B
CN101964069	A	2011-02-02	CN101964069



Abstract

(CN101964069)

The patent refers to the field of 'recognition, presentation of data and record carriers and its handling'. The invention discloses a ribbon-type electronic **seal**, a manufacturing method and a special mould thereof. The ribbon-type electronic **seal** comprises an electronic **seal** body, wherein an electronic **tag** is encapsulated in the electronic **seal** body; the electronic **tag** comprises an electronic chip and a radio frequency **antenna**; the electronic chip is connected with the radio frequency **antenna** through a chip connection end A and a chip connection end B; the electronic **seal** body is provided with a lock fastener; the locker fastener is provided with a latch; the radio frequency **antenna** is connected with a lock rope loop radio

frequency **antenna**; and the lock rope loop radio frequency **antenna** is coated by a lock rope and is provided with at least one lock rope ball. The special mould comprises groove structures for each component of the electronic **seal**. The manufacturing method for the electronic **seal** comprises the following steps of: injection-molding a semi-finished product of the electronic **seal**, manufacturing the electronic **tag** and injection-molding a finished product of the electronic **seal**. The ribbon-type electronic **seal** of the invention has the characteristics of convenient manufacturing, high quality, and popularization and use.

Inventors

SHENG JUN

GONG SHENYAN

LI JIA

Latest standardized assignees - inventors removed

WUJIANG TALENT ELECTRONICS & TECHNOLOGY

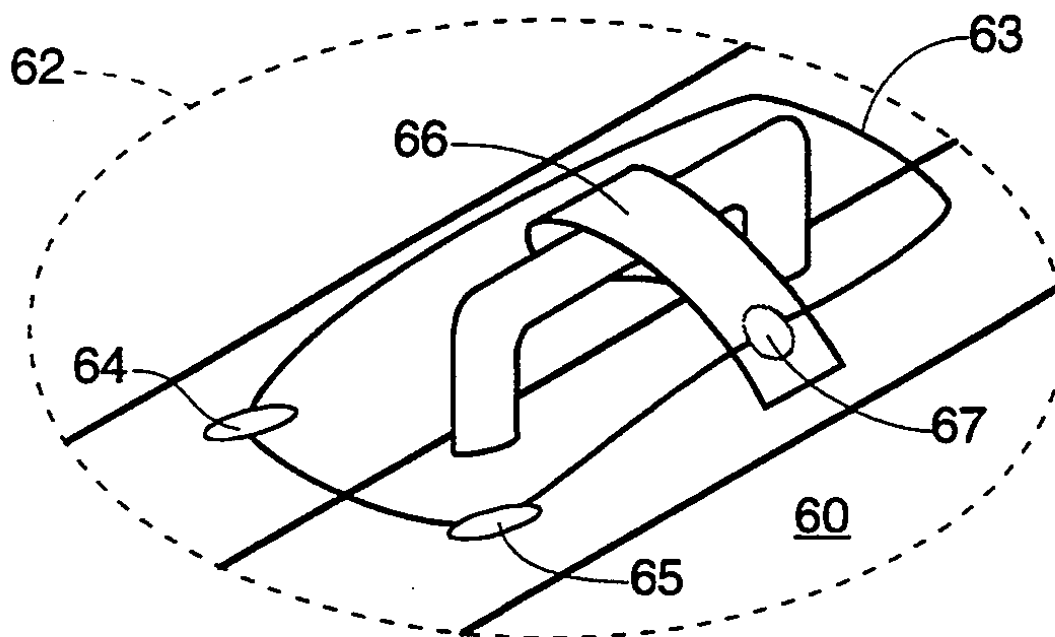
Family 18/28 - FAMPAT - ©Questel

Title

(US5406263)

Anti-theft method for detecting the unauthorized opening of containers and baggage

Images



Publication numbers with kind code & date

USRE43415	E1	2012-05-29	USRE43415
USRE42777	E1	2011-10-04	USRE42777
US5831531	A	1998-11-03	US5831531
US5406263	A	1995-04-11	US5406263



Abstract

(US5406263)

A simple trip-wire or magnetic circuit associated with a shipping **container** monitors continuity, which is detected electrically. Simply, if continuity is disabled by a forced entry of the **container**, electrical detection means, such as a radio-frequency-identification (**RFID**) **tag**, will alert the owner or monitoring station. The trip-wire concept would require the replacing of a broken trip wire (resulting from forced entry), while the magnetic circuit concept can be reused repetitively. In a second embodiment a magnetic circuit and the detection device (**RFID** **tag**) are embedded into the shipping article during manufacturing. The preferred detection device, an **RFID** **tag**, could also be a battery backed transceiver type on which a

replaceable or rechargeable battery could be mounted on the inside of the shipping **container** during manufacturing. The **RFID tag** would communicate with an interrogator unit, which could be connected to a host computer. The interrogator and/or the host computer and/or other alarm devices would then monitor the shipping **container**'s status (opened or closed).

Inventors

TUTTLE JOHN R

Latest standardized assignees - inventors removed

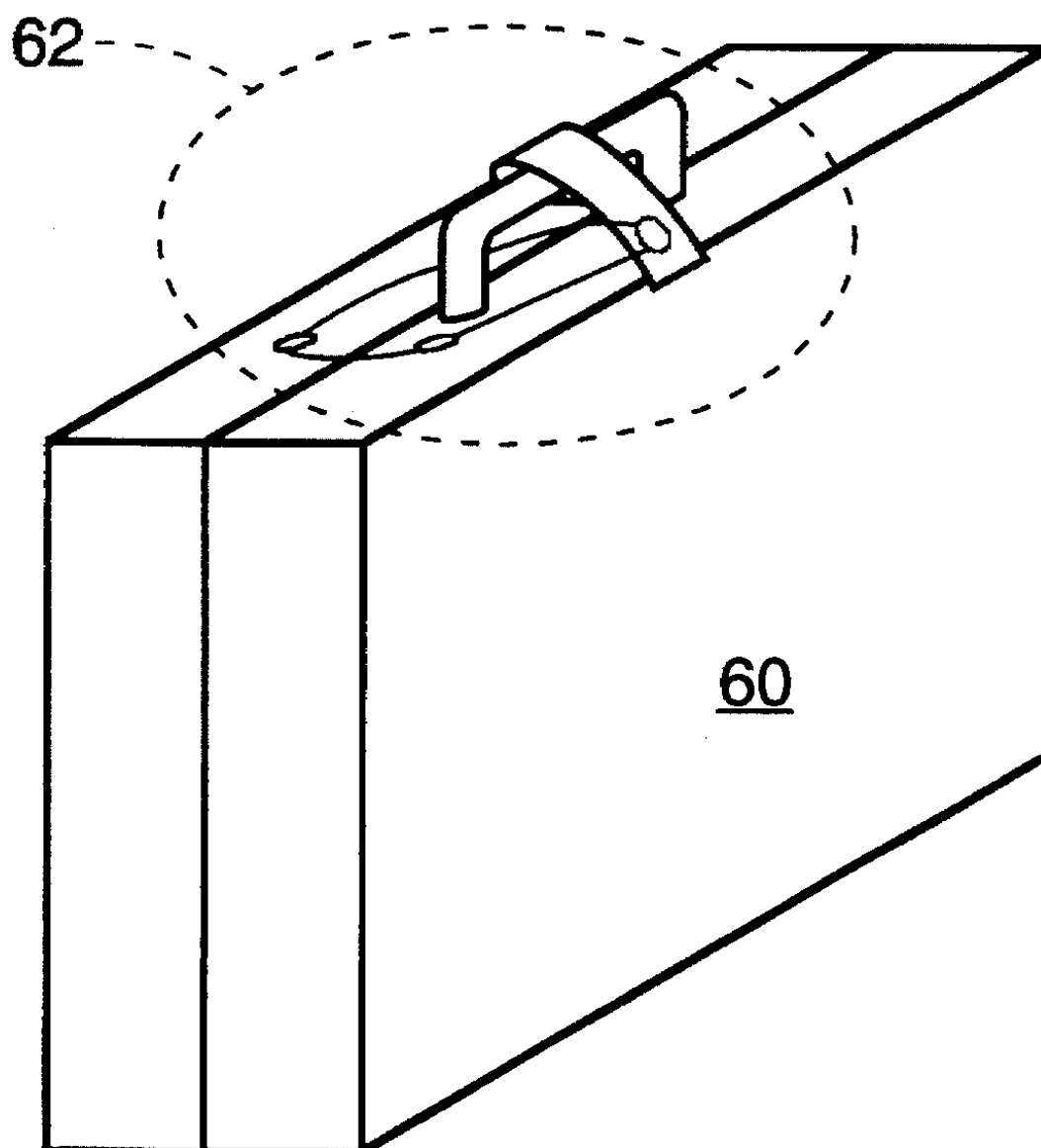
ROUND ROCK RESEARCH

Family 19/28 - FAMPAT - ©Questel

Title

(US5646592)

Anti-theft method for detecting the unauthorized opening of containers and baggage

Images**Publication numbers with kind code & date**[US5646592](#)

A 1997-07-08

US5646592

**Abstract**

(US5646592)

A simple trip-wire or magnetic circuit associated with a shipping **container** provides continuity, which is detected electrically. Simply, if continuity is disabled by a forced entry of the **container**, electrical detection means, such as a radio-frequency-

identification (RFID) tag, will alert the owner or monitoring station. The trip-wire concept would require the replacing of a broken trip wire (resulting from forced entry), while the magnetic circuit concept can be reused repetitively. In a second embodiment, a magnetic circuit and the detection device (RFID tag) are embedded into the shipping article during manufacturing. The preferred detection device, an RFID tag, could also be a battery backed transceiver type on which a replaceable or rechargeable battery could be mounted on the inside of the shipping container during manufacturing. The RFID tag would communicate with an interrogator unit, which could be connected to a host computer. The interrogator and/or the host computer and/or other alarm devices would then monitor the shipping container's status (opened or closed).

Inventors

TUTTLE JOHN R

Latest standardized assignees - inventors removed

ROUND ROCK RESEARCH

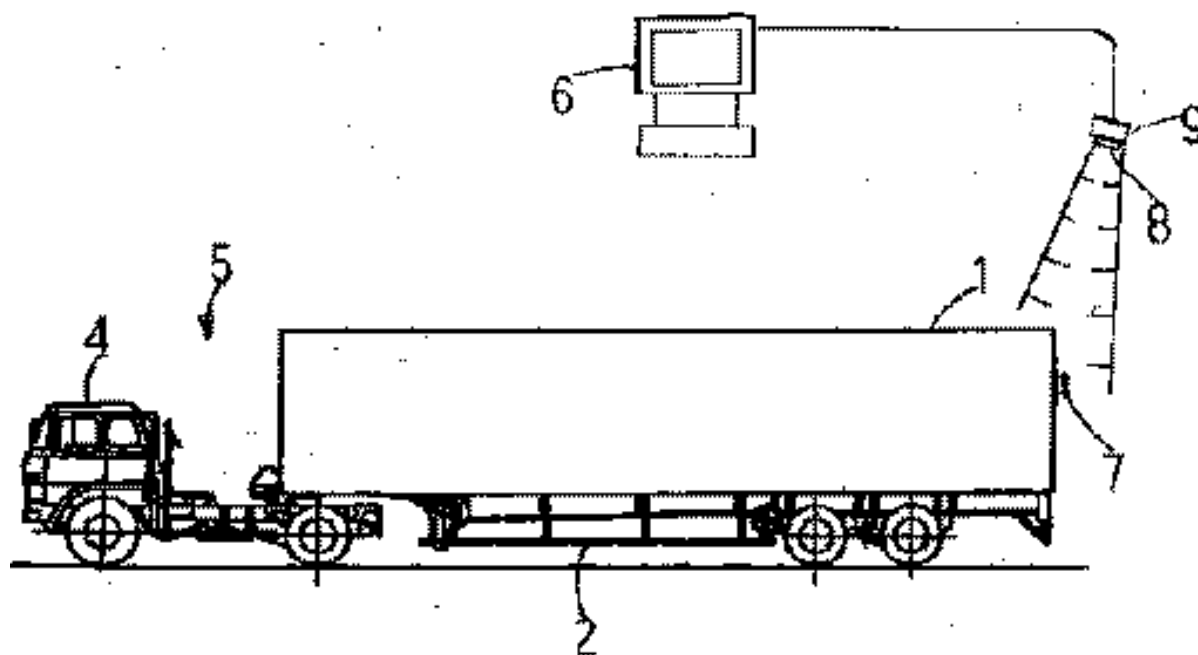
Family 20/28 - FAMPAT - ©Questel

Title

(JP2001322719)

Device and method for controlling loading and unloading of container

Images



Publication numbers with kind code & date

JP2001322719

A

2001-11-20

JP2001322719



Abstract

(JP2001322719)

PROBLEM TO BE SOLVED: To improve the cargo handling efficiency in a **container** terminal by confirming the sealing of a **seal** and automatically reading a **seal** number.

SOLUTION: In loading and unloading containers in a ship, a radio IC **seal tag** 7 capable of transmitting the **seal** number only in a sealed state is mounted on an opening and closing **door** of the **container** 1, and a wireless **antenna** 9 having a leader for receiving and transmitting with the radio IC **seal tag** 7 is mounted on a **container** crane.

COPYRIGHT: (C)2001,JPO

Inventors

KAWASE AKIRA

Latest standardized assignees - inventors removed

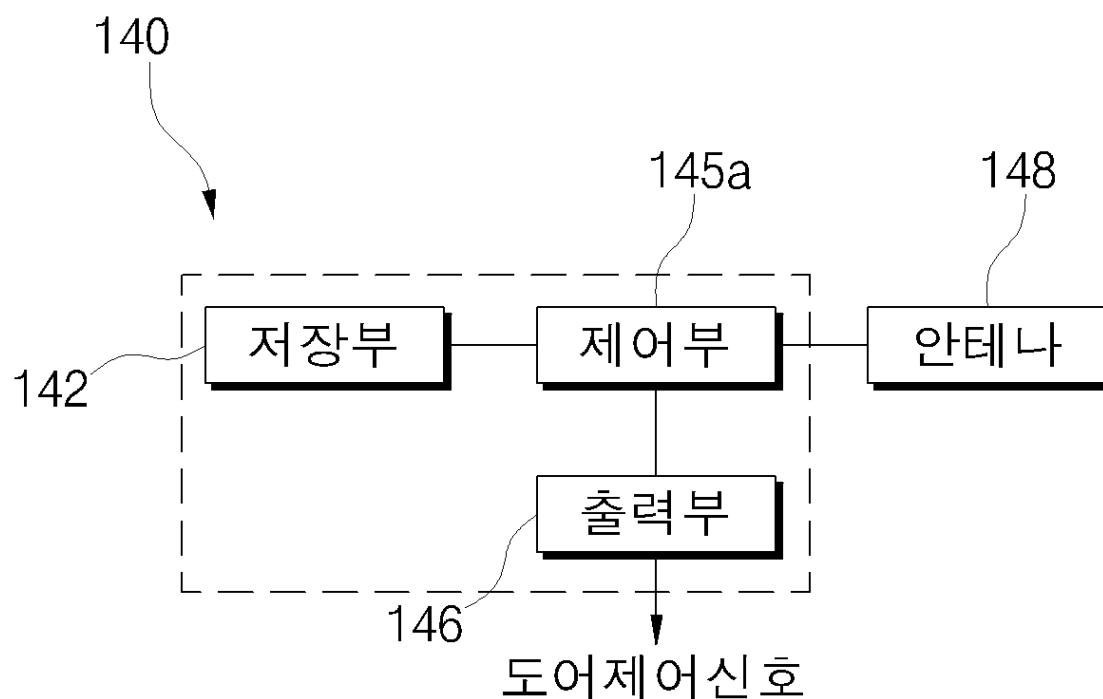
ISHIKAWAJIMA HARIMA HEAVY INDUSTRIES IHI

Family 21/28 - FAMPAT - ©Questel

Title

(KR101920933)

Switchboard with smart remote control doors

Images**Publication numbers with kind code & date**[KR101920933](#)

B1 2018-11-21

KR101920933

[KR20160134606](#)

A 2016-11-23

KR20160134606

**Abstract**

(KR20160134606)

The present invention relates to a switchboard such as an incoming panel or a distribution panel. More specifically, the switchboard includes: an outer **container** which includes an internal space having mechanical devices of the switchboard arranged therein and an opening formed on a side; a **door** which is coupled to the outer **container** for opening and closing the opening of the outer **container**; a driving unit which is arranged to apply a mechanical force to the **door** to open or close the **door**; a wireless recognition **tag** which is arranged on the inner side of the outer **container** or the **door** to be connected to the driving unit and outputs a **door** control signal in accordance with a command of an external device to the driving unit; and a relay unit which relays the communication signal between a wireless **tag** recognition reader arranged on the outside of the outer **container** or the **door** and the wireless recognition **tag**.

Inventors

PARK, KYEUNG HEE

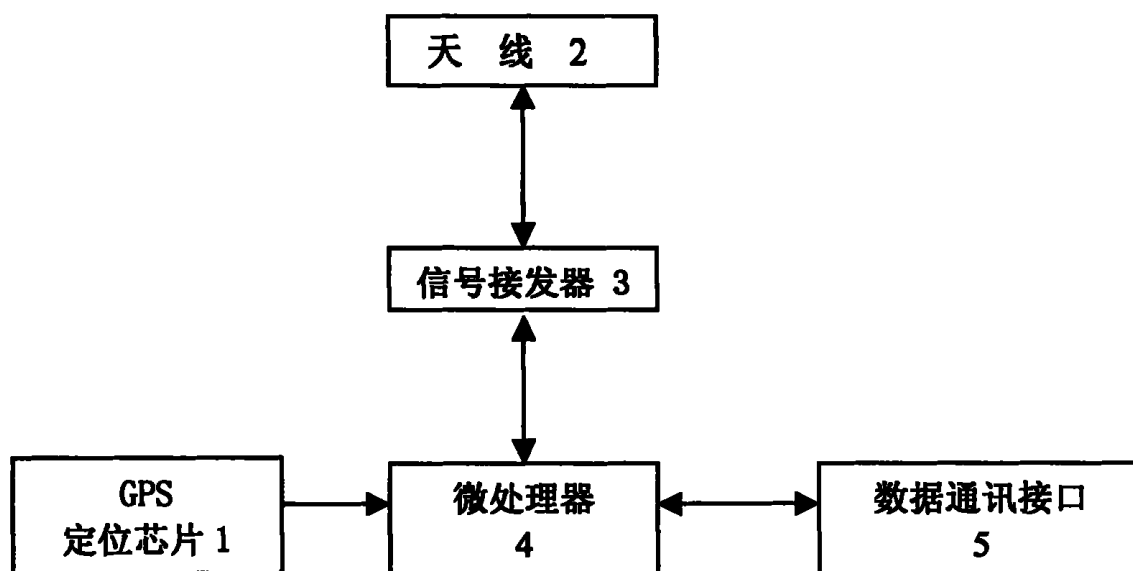
Family 22/28 - FAMPAT - ©Questel

Title

(CN1971580)

Read-write apparatus of electronic label of **container** capable of identifying position information of **container**

Images



Publication numbers with kind code & date

CN1971580

A

2007-05-30

CN1971580



Abstract

(CN1971580)

The invention discloses electronic label read-write equipment which can distinguish the location information of cargotainer, and it contains GPS positioning chip, signal sending-receiving device, microprocessor and antenna. The antenna and the read-write equipment are made integrally or separately mounted on moving conduit of the cargotainer or the hanging device of the cargotainer. The read-write equipment has the GPS satellite positioning recognition function, the location information of cargotainer is written in the electronic label of cargotainer by the contactless method to realize the discrimination of the cargotainer information, accompaniment and record of the freight and logistics information, and the real time management of the trace of the delivered path and the cargotainer. In the invention the electronic label door seal record and the location record is read to adjust the time and location of opening or closing the cargotainer, realize the all course trace and management of cargotainer, improve the working efficiency of cargotainer delivery and the safe reliability of freight in the cargotainer, improve the clearance velocity, and satisfy the requirement for preventing terror and countering terror.

Inventors

BAO QIFAN

LI JIANHUA

GAO YONGXIANG

DONG TINGLONG

Latest standardized assignees - inventors removed

SHANGHAI INTERNATIONAL PORT

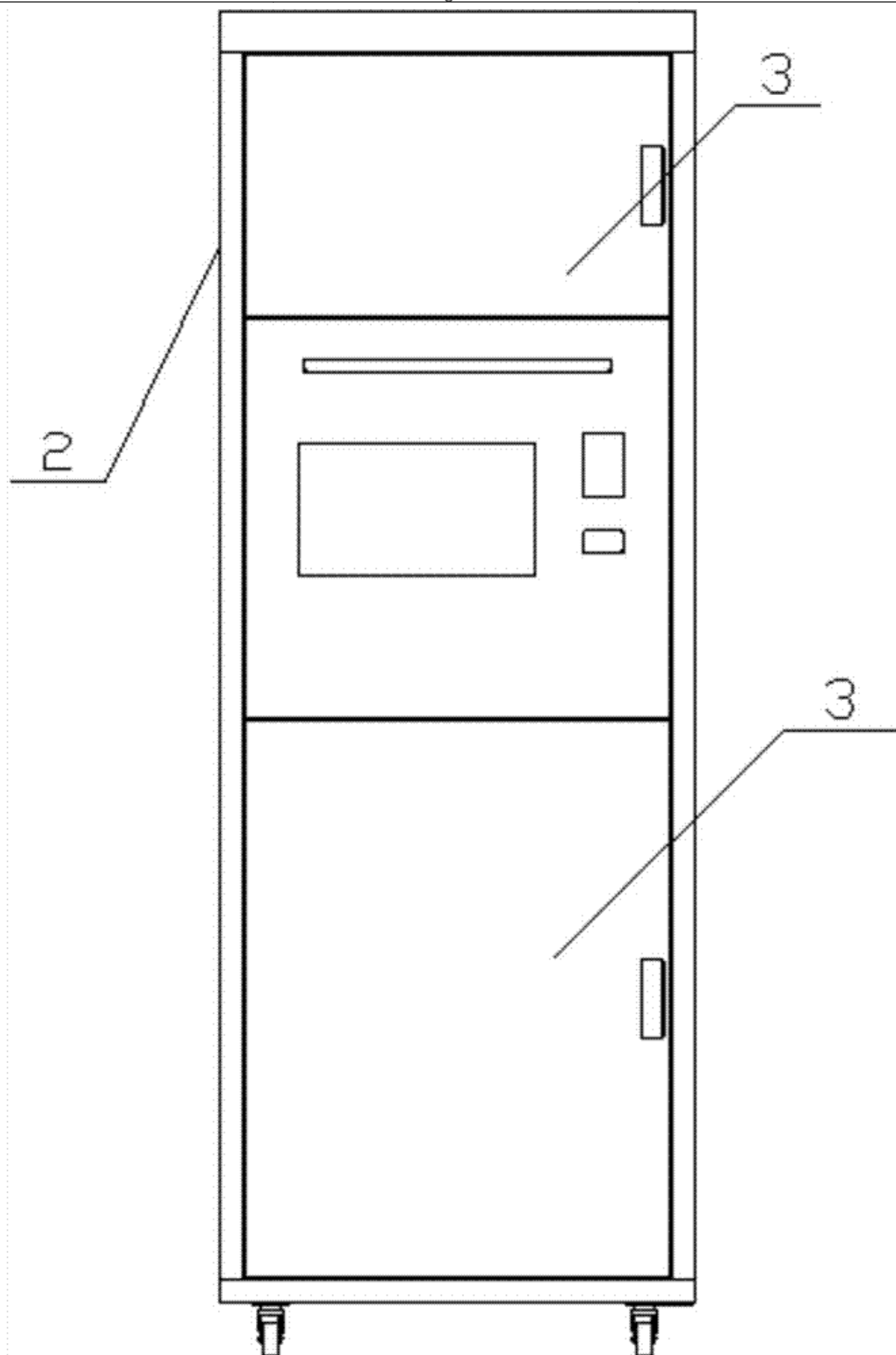
Family 23/28 - FAMPAT - ©Questel

Title

(CN206923919U)

High value consumptive material cabinet

Images

**Publication numbers with kind code & date**[CN206923919](#)

U

2018-01-26

CN206923919U

**Abstract**

(CN206923919)

The utility model relates to a radio frequency technology especially relates to a high value consumptive material cabinet at medical instrument technical field. Personally experience sth. Part of the body including cabinet **door** and the cabinet of

installing ultra -high -frequency **antenna** and electronic lock, the cabinet body is including inner bag and shell, inner bag fixed mounting inside the shell, vacuole formation between inner bag outer wall and the shell inner wall, ultra -high -frequency **antenna** installs in the inner bag, be equipped with on the inner bag inner wall to the convex lamp cavity in the outside, lamp cavity protrusion is arranged in the cavity, the electronic lock set up in the cavity and fixed mounting at the shell inner wall, the cabinet **door** close with electronic lockcooperation locking. The beneficial effects of the utility model are that: through the cabinet body that adopts bilayer structure for electronic lock, lamp cavity reduce the installation hole that produces simultaneously on the inner bag under the requirement that reaches safety standard, reduce leak source, and improvement high value consumptive material cabinet reduces the cluster and reads thephenomenon radiofrequency signal's screening ability.

Inventors

LI KUI

Latest standardized assignees - inventors removed

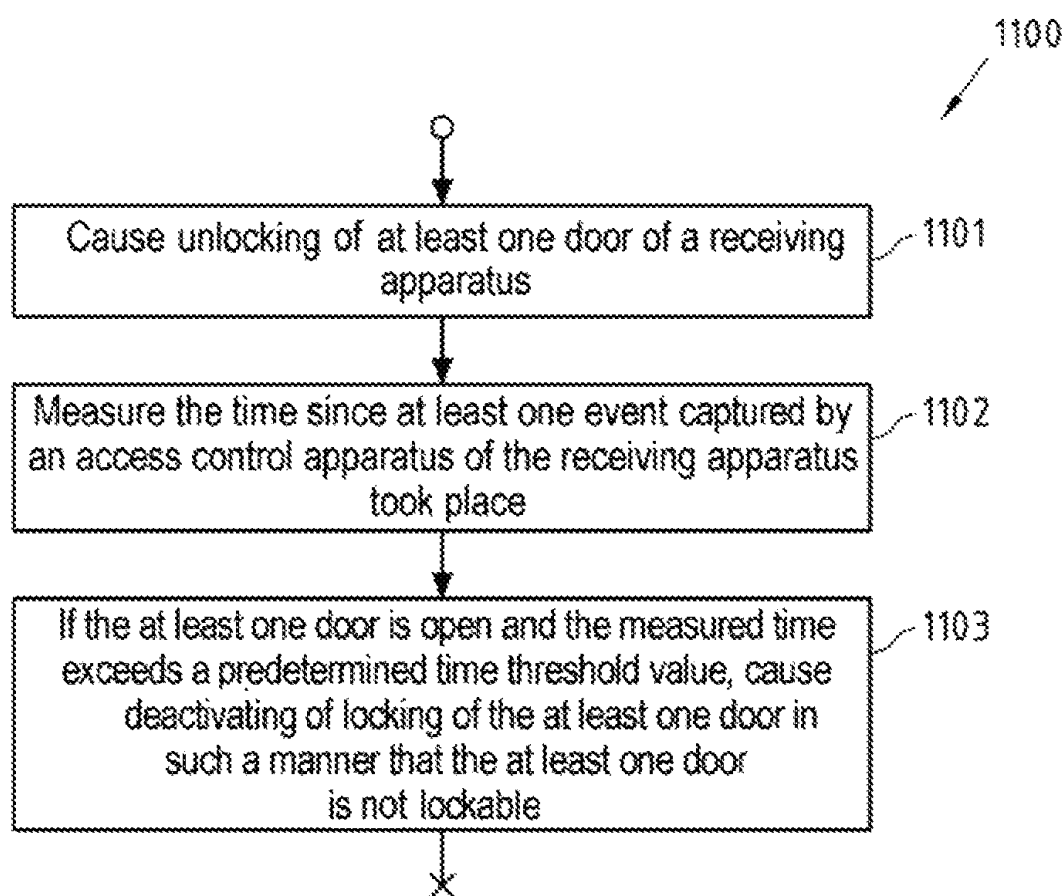
CHONGQING BENMU SCIENCE & TECHNOLOGY

Family 24/28 - FAMPAT - ©Questel

Title

(EP3077966)

Selection of access control apparatuses on an access authorisation verification apparatus on the basis of information from a transmission

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

EP3047459	B1	2020-06-17	EP3047459
CN105793875	B	2020-04-24	CN105793875B
CN105793898	B	2020-03-10	CN105793898B



US10580241	B2	2020-03-03	US10580241				
US10431029	B2	2019-10-01	US10431029				
US10424144	B2	2019-09-24	US10424144				
CN109995757	A	2019-07-09	CN109995757				
CN105723425	B	2019-03-15	CN105723425B				
CN105900148	B	2019-01-15	CN105900148B				
CN105979826	B	2018-06-01	CN105979826B				
US20180151013	A1	2018-05-31	US20180151013				
US9959692	B2	2018-05-01	US9959692				
US9940768	B2	2018-04-10	US9940768				
CN106028881	B	2018-03-09	CN106028881B				
US9852567	B2	2017-12-26	US9852567				
US9836906	B2	2017-12-05	US9836906				
EP3053149	B1	2017-11-22	EP3053149				
EP3043684	B1	2017-06-28	EP3043684				
EP3046447	B1	2017-06-28	EP3046447				
CN106028881	A	2016-10-12	CN106028881				
EP3077966	A1	2016-10-12	EP3077966				
EP3077997	A1	2016-10-12	EP3077997				
EP3077998	A1	2016-10-12	EP3077998				
CN105979826	A	2016-09-28	CN105979826				
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EP3047459	A1	2016-07-27	EP3047459				
CN105793875	A	2016-07-20	CN105793875				
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WO2015/082603	A1	2015-06-11	WO201582603				
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WO2015/082608	A1	2015-06-11	WO201582608				
WO2015/082615	A1	2015-06-11	WO201582615				
WO2015/082617	A1	2015-06-11	WO201582617				
WO2015/082621	A1	2015-06-11	WO201582621				
WO2015/082623	A1	2015-06-11	WO201582623				

Abstract

(EP3077966)

The disclosure relates, inter alia, to a method (400), performed by an access authorisation verification apparatus (3), said method comprising: obtaining (402) a piece of information from a transmission (5); identifying (403) a transmission data record from a multiplicity of transmission data records, which are stored on the access authorisation verification apparatus (3), using the piece of information obtained from the transmission (5), wherein the transmission data record comprises address information associated with the transmission; determining (407) one or more access control apparatuses from a multiplicity of access control apparatuses on the basis of a result of a comparison of the address information of the transmission data record with respective address information that is associated with the access control apparatuses and stored on the access authorisation verification apparatus (3) and/or with respective address information that is associated with the user(s) of the access control apparatus and stored on the access authorisation verification apparatus (3); allowing selection (415) and/or confirmation (413) of an access control apparatus (4) for the one or more determined access control apparatus(es) by a user (6) of the access authorisation verification apparatus (3); and communicating (419) access authorisation information associated with the access control apparatus (4) to the access control apparatus (4) in order to gain access to a room associated with the access control apparatus (4), so that the transmission (5) can be placed into or removed from the room. In addition, the disclosure relates to a corresponding method (300) for providing (310) transmission data records, access authorisation information associated with access control apparatuses and/or the users thereof and address information associated with the access control apparatuses, to apparatuses (2, 3) performing the methods (300, 400), computer programs associated with the methods and an appropriately set up system (1).

Inventors

BENZ RAMIN

BULYGIN STANISLAV

JANSEN JOCHEN

DAUTZ CHRISTOPH

CARSTENS CHRISTIAN

LIPPERT MARCUS

Latest standardized assignees - inventors removed

DEUTSCHE POST

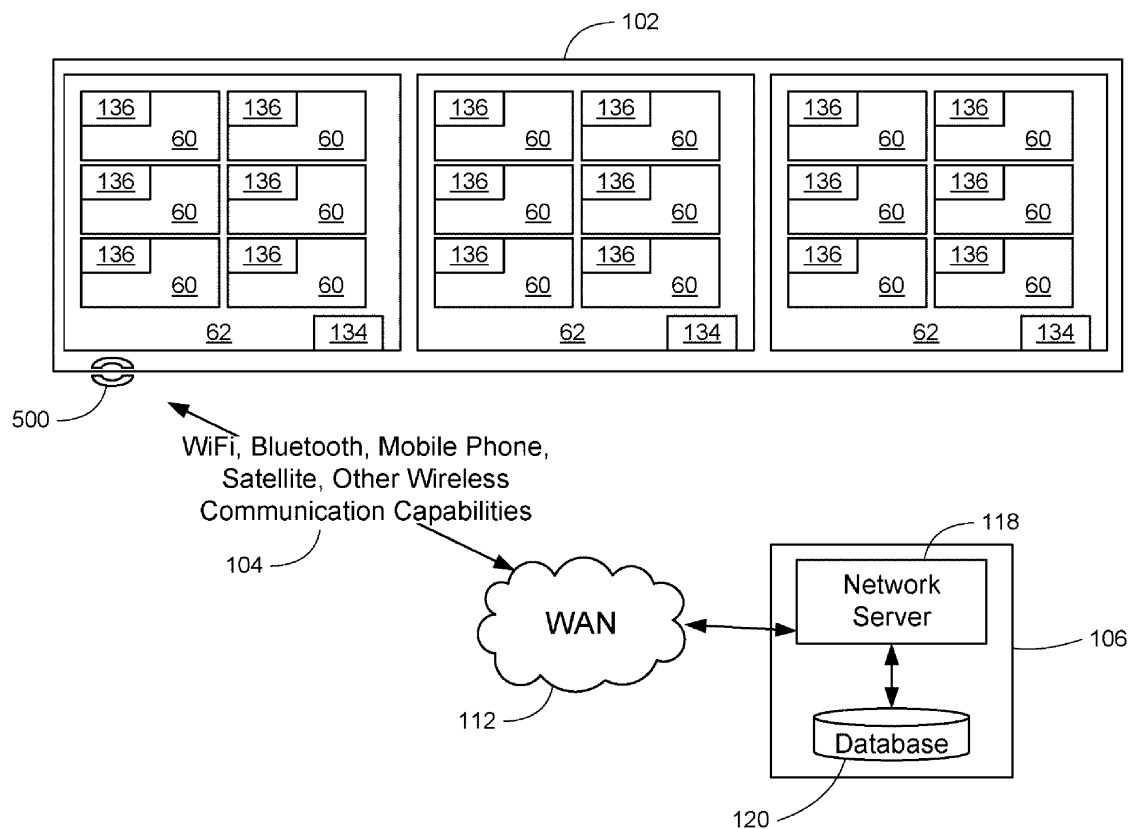
Family 25/28 - FAMPAT - ©Questel

Title

(US20080303897)

Visually capturing and monitoring contents and events of cargo container

Images



Publication numbers with kind code & date

US8218514	B2	2012-07-10	US8218514
US8078139	B2	2011-12-13	US8078139
US20100232320	A1	2010-09-16	US20100232320
US20100214060	A1	2010-08-26	US20100214060
US20090290512	A1	2009-11-26	US20090290512
US20080303897	A1	2008-12-11	US20080303897
US20080304443	A1	2008-12-11	US20080304443



Abstract

(US20080303897)

A system for visually capturing and monitoring the contents and events surrounding a cargo **container** is provided. The system includes a camera such as a digital camera or still camera.

Inventors

TWITCHELL JR ROBERT W

Latest standardized assignees - inventors removed

GOOGLE

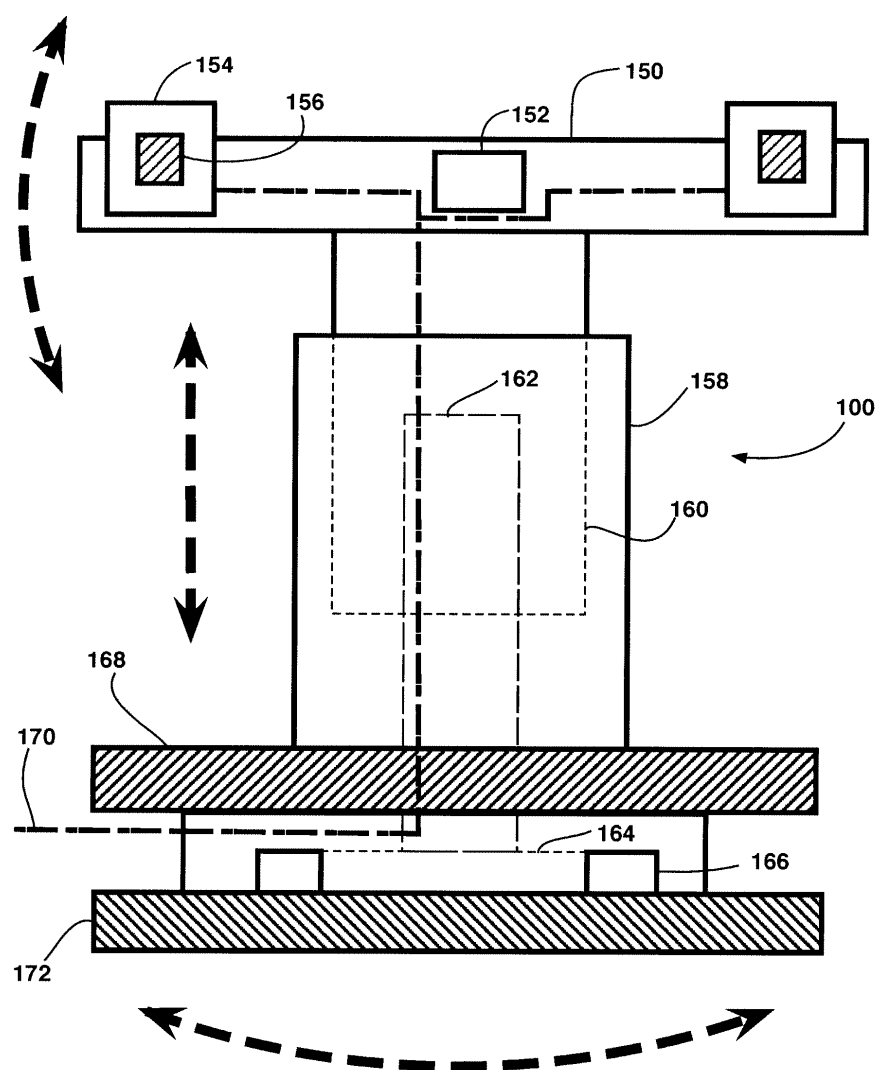
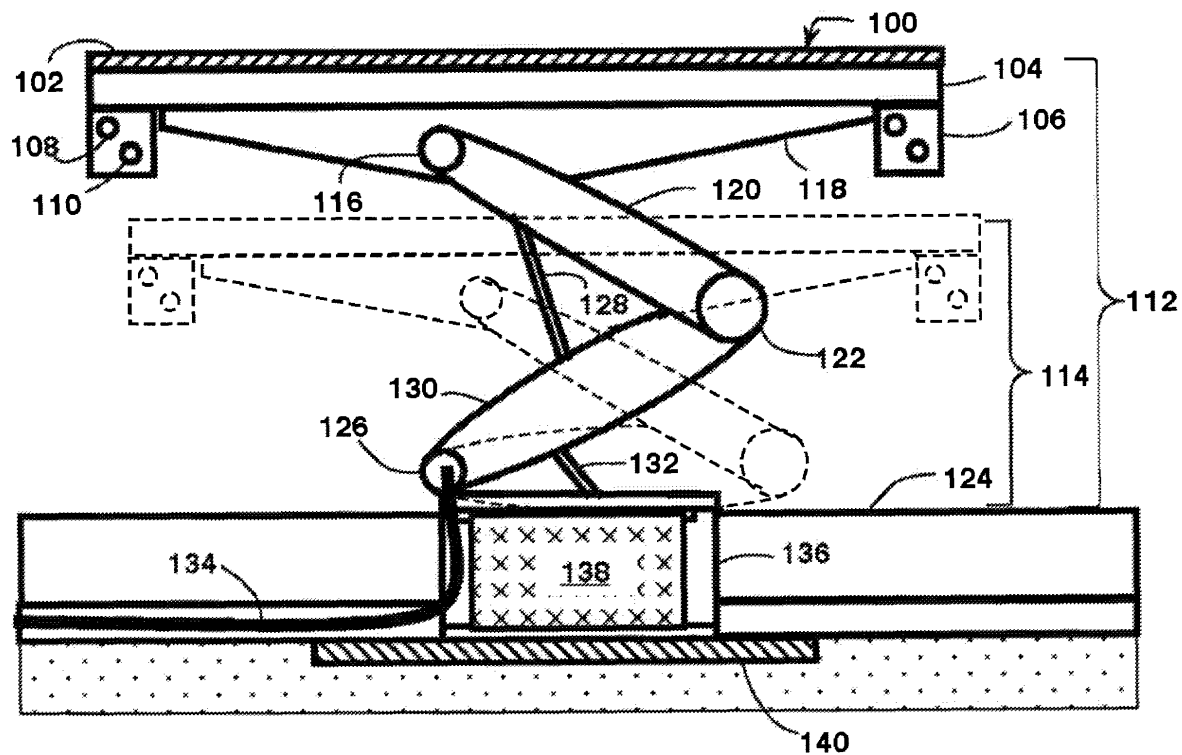
Family 26/28 - FAMPAT - ©Questel

Title

(EP1904783)

Ambient lighting in hospital surgical environments

Images



Publication numbers with kind code & date

HK1114137
CN101253295

A1 2017-07-07
B 2017-02-15

HK1114137
CN101253295B



CA2615815	C	2016-09-20	CA2615815				
ES2582194	T3	2016-09-09	ES2582194				
DK1902184	T3	2016-08-01	DK1902184T				
CA2615534	C	2016-06-07	CA2615534				
EP1902184	B1	2016-04-13	EP1902184				
JP5760047	B2	2015-06-12	JP5760047				
JP5569920	B2	2014-07-04	JP5569920				
EP1904783	A4	2013-12-04	EP1904783				
EP1907630	A4	2013-12-04	EP1907630				
EP1902184	A4	2013-11-27	EP1902184				
ES2426193	T3	2013-10-21	ES2426193				
JP2013212411	A	2013-10-17	JP2013212411				
EP1904377	B1	2013-08-21	EP1904377				
ES2404057	T3	2013-05-23	ES2404057				
EP1906906	A4	2013-05-22	EP1906906				
CN101253299	B	2013-03-06	CN101253299B				
EP1928286	B1	2012-12-05	EP1928286				
JP5091135	B2	2012-09-21	JP5091135				
CN101257878	B	2012-09-05	CN101257878B				
CN101512217	B	2012-09-05	CN101512217B				
JP5055276	B2	2012-08-03	JP5055276				
JP5017265	B2	2012-06-15	JP5017265				
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RU2452452	C2	2012-06-10	RU2452452				
JP4991718	B2	2012-05-11	JP4991718				
US8127396	B2	2012-03-06	US8127396				
RU2434569	C2	2011-11-27	RU2434569				
RU2434623	C2	2011-11-27	RU2434623				
AU2006295337	B2	2011-06-16	AU2006295337				
CN101253102	B	2010-12-29	CN101253102B				
RU2406921	C2	2010-12-20	RU2406921				
RU2405896	C2	2010-12-10	RU2405896				
RU2406020	C2	2010-12-10	RU2406020				
US20100308037	A1	2010-12-09	US20100308037				
US7841737	B2	2010-11-30	US7841737				
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CN101232839	B	2010-11-10	CN101232839B				
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EP1928286	A4	2010-04-07	EP1928286				
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Abstract

(EP1904783)

An ambient lighting system for a hospital operating room environment and a method of using said system is described. An apparatus comprising the combination of a translucent sheet and a backlight LED panel or colored light source (colored lamp(s) or LED(s) in an alcove) provides a diffuse light when light from said panel, alcove, or other source is presented to the translucent sheet, is scattered, and represented as unfocused light on the exposed surface of the translucent sheet. Usage of the apparatus in an operating room provides a calming environment. The method and apparatus may be adapted to include wireless control over the intensity, color, and on/off state of the light. Further, usage of known translucent materials provides a sterile and safe surface.

Inventors

MANGIARDI JOHN R

Latest standardized assignees - inventors removed

OPTIMUS LICENSING

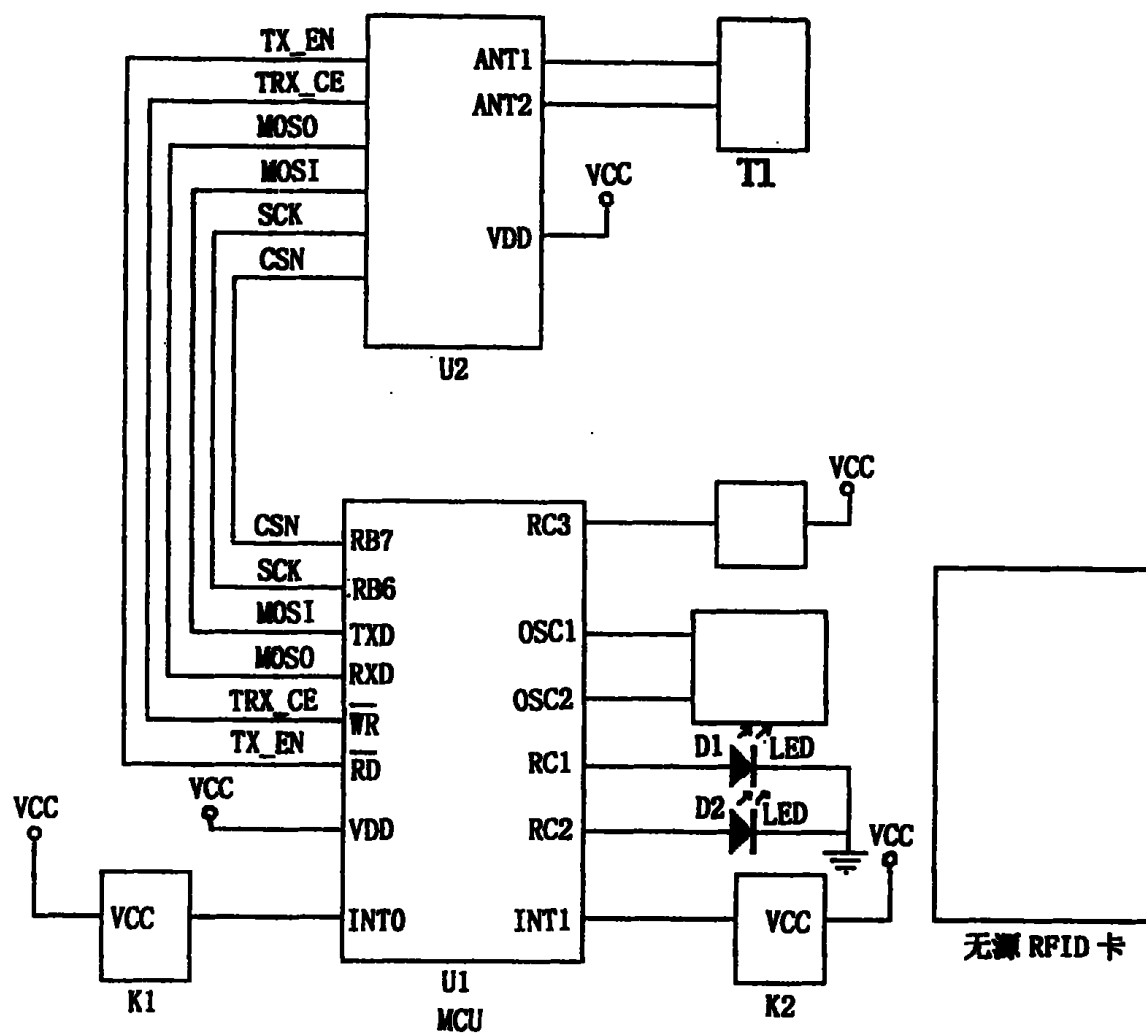
Family 27/28 - FAMPAT - ©Questel

Title

(CN200961389U)

Double frequency electronic lock

Images



Publication numbers with kind code & date

CN200961389

Y 2007-10-17

CN200961389U



Abstract

(CN200961389)

The utility model discloses a double frequency electronic custom-lock which is the association of the advantages of an active electronic lock and a passive electronic label, mainly comprises the passive electronic label, a wireless electric lock and a mechanic lock, and aims at the existing problem of too high sensitivity, large range of reading and writing, serious adjacent channel interference, and difficultly precise positioning. The utility model is characterized in that the wireless electric lock comprises a singlechip U1, RF module U2, a sense switch K1 and K2, an aerial T1, wherein the output end of the sense switch K1 and K2 are both connected to the singlechip U1, the input end of the aerial of the RF module U2 is connected to the two ends of the aerial T1 respectively, the serial communication interface of the singlechip U1 is connected to the date output end and the date input end of a RF chip U2 respectively, the output end of the singlechip U1 is connected with the receive-and-transmit control end of the RF chip U2, the output end WR of the singlechip U1 is connected to the chip selection end of the RF module U2, an electrical source VCC is connected with the electrical source of the singlechip and an electrical source VDD of the RF module U2. The utility model has the advantages of safety and reliability.

Inventors

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Latest standardized assignees - inventors removed

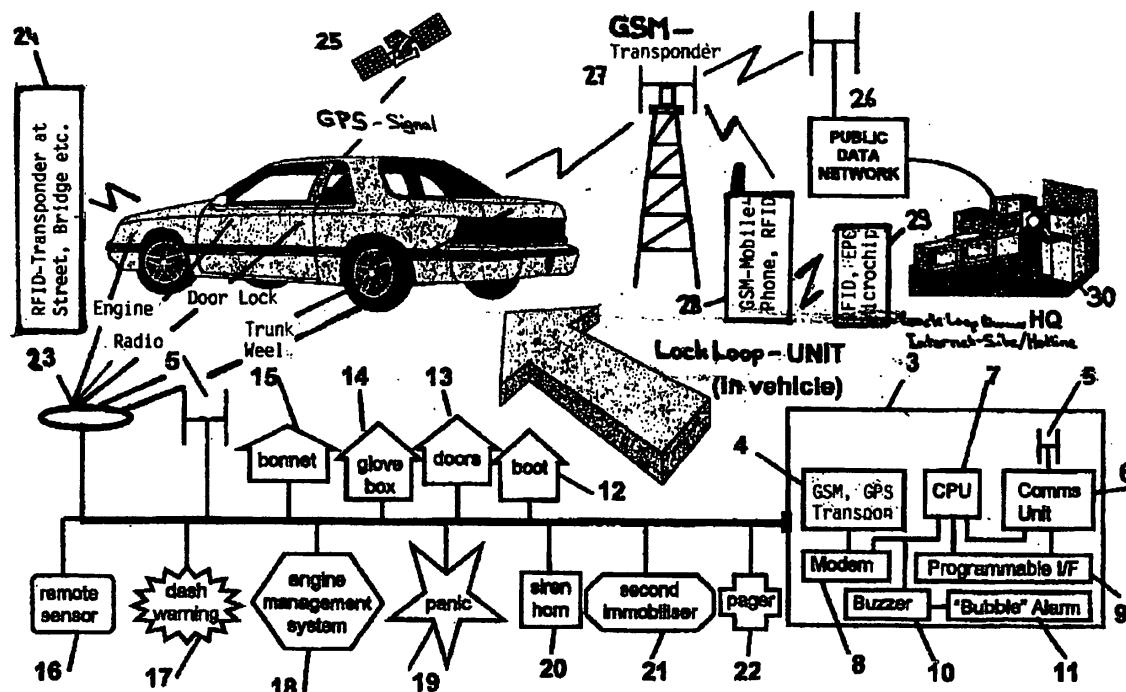
NANJING SAMPLE TECHNOLOGY

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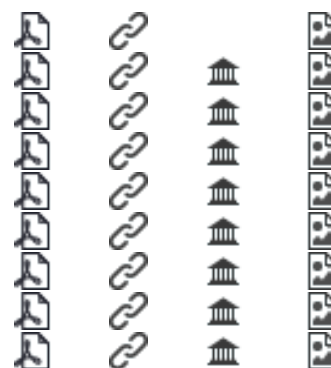
Title

(EP1523604)

Authorisation, regulation, characterisation, localisation, locking and theft security system (here also referred to as lock-loop dss)

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

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**Abstract**

(EP1523604)

The invention relates to a combination of a loop which may be locked with a lock (independently) with an auto number, registered on the internet or a mobile phone portal, or a numerical, alphanumerical or bar code, which is destroyed on stealing or due to the effect of criminal violence, for application to or integration on chains or locks themselves, (motor)bikes (by means of the spokes, hubs, changer etc), ski-bindings, kickboards, cars, boats, planes, or buildings and provided with an electrical circuit with a connector or an interrupter for electrical (switched) devices and can also be provided with a chip, which gives a signal to the internet or the number registered in the mobile phone portal and is for example integrated in a screw head.

Inventors

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