

25 Documents

Publication numbers	Title	Current assignees
CN1831841 A	Container comprising an RFID relay antenna, and method of arranging a plurality of these containers	FUJI XEROX
WO201007621 A1	Smart logistic system with rfid reader mounted on a forklift tine	CARMEL CONTAINER SYSTEMS, ...
US20080231459 A1	Cargo Container Monitoring Device	CONTAINER TRAC
US20080231453 A1	Cargo Container Monitoring System	CONTAINER TRAC DANA POINT
CN101670898 A	Universal and reusable RFID system and method for use in supply chain and logistics management	LI RUI, ...
WO200792959 A2	Modular, knock-down, light weight, thermally insulating, tamper proof shipping container and fire retardant shipping bag	AIRDEX
US20030132893 A1	Wireless communication device and method	MINERAL LASSEN
US20090322510 A1	Securing, monitoring and tracking shipping containers	GOOGLE
US20030123965 A1	Mini pallet-box moving container	VERDASEE SOLUTIONS
US20060087431 A1	RFID electronic seal and system using the RFID electronic seal	SHIEH YENG BAO
US20040201454 A1	Smartbeam visibility network	VISIBLE ASSETS
US20130033381 A1	Cargo theft prevention system and method	INTELLIGENT TECHNOLOGIES INTERNATIONAL
US20080047329 A1	Smartphone-based vehicle control methods	INTELLIGENT TECHNOLOGIES INTERNATIONAL
US20040257224 A1	Electronic security system for monitoring and recording activity and data relating to persons or cargo	UNITED SECURITY APPLICATIONS
US20090091144 A1	Reusable bolt electronic seal module with gps/cellular phone communications&tracking system	E J BROOKS
WO2013177132 A1	Battery management system with distributed wireless sensors	LAWRENCE LIVERMORE NATIONAL SECURITY
US20050231365 A1	Electronic security seal	TELESIS TECHNOLOGIES, ...
US20130015192 A1	Climate control cargo container for storing, transporting and preserving cargo	AIRDEX INT
WO200678285 A2	Marine asset security and tracking (mast) system	UT BATTELLE
WO200063052 A1	Electronic security seal	TRANSGUARD INDUSTRIES, ...
WO2006101852 A2	Tamper indicating saw tag system and method for using	RF SAW

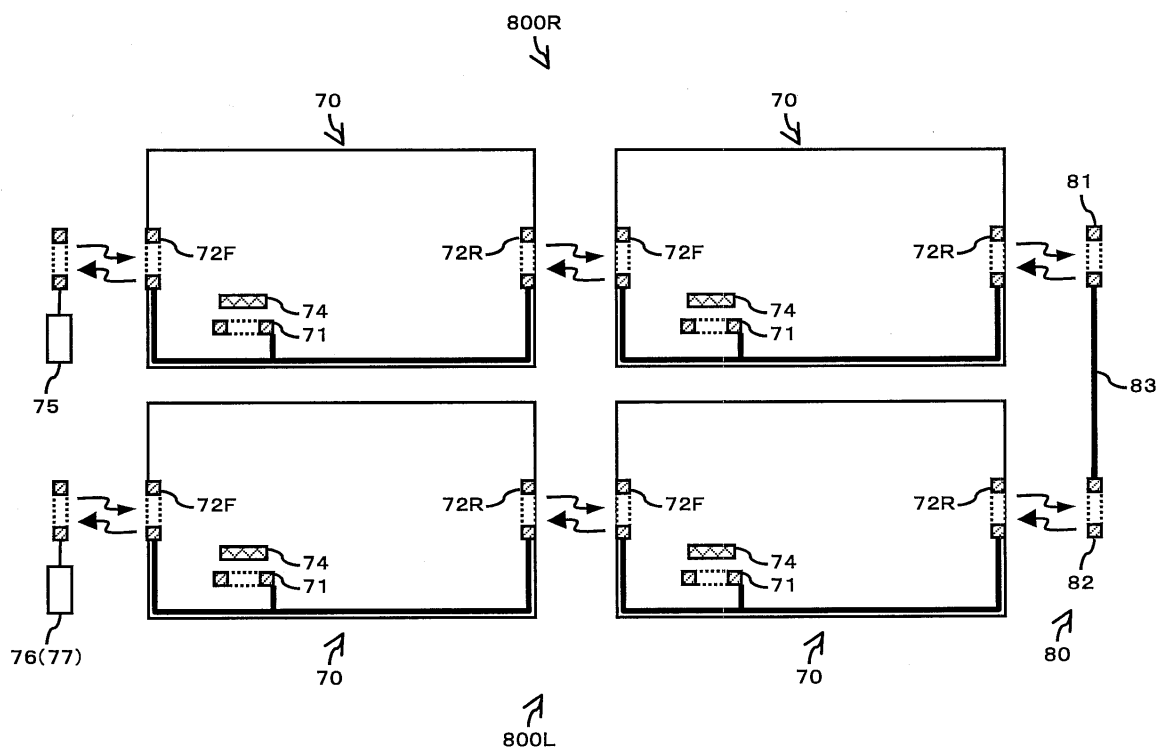
Publication numbers	Title	Current assignees
	same	
WO200371502 A1	State monitoring system and state monitoring method for object and region around the object and cargo container monitoring system	OMRON
US20140067313 A1	Cargo monitoring method and arrangement	INTELLIGENT TECHNOLOGIES INTERNATIONAL
TW200614081 A	RFID electronic seal and system using the RFID electronic seal	SHI SONGCUN, ...
WO200759161 A1	Electronic tamper evident seal	E J BROOKS

Family 1/25 - FAMPAT - ©Questel

Title

(EP1701296)

Container comprising an RFID relay antenna, and method of arranging a plurality of these containers

Images**Publication data including kind & date**

CN1831841	A	2006-09-13	CN1831841
EP1701296	A1	2006-09-13	EP1701296
KR20060097536	A	2006-09-14	KR20060097536
JP2006246372	A	2006-09-14	JP2006246372
TW200632760	A	2006-09-16	TW200632760
US2006208899	A1	2006-09-21	US20060208899
KR100703019	B1	2007-04-06	KR100703019
US7439863	B2	2008-10-21	US7439863
TWI316683	B	2009-11-01	TWI316683
EP1701296	B1	2009-11-11	EP1701296
DE602005017570	D1	2009-12-24	DE602005017570
JP4639857	B2	2011-02-23	JP4639857
CN1831841	B	2011-06-22	CN1831841B

**Abstract**

(EP1701296)

In an RFID system including an RFID tag and an RFID reader for performing wireless communications with the RFID tag, an RFID relay antenna has a first loop antenna for electromagnetic induction coupling with an antenna at the RFID tag, a second loop antenna that is provided apart from the first loop antenna and for electromagnetic induction coupling with an antenna at the RFID reader, and wires for connecting the first loop antenna and the second loop antenna so as to form one closed loop and for conveying an induced current generated at the first and second loop antennas to the second and first loop antennas, respectively.

Inventors

SUZUKI KENJI

ONO TOMOHIRO

YAMAUCHI HIROYUKI

WATANABE TOSHIO

Latest standardized assignees - inventors removed

FUJI XEROX

Application dates

2005-03-07

2005-09-08

2005-09-08

2005-09-08

2005-09-13

2005-09-15

2005-09-19

Publication dates

2006-09-13

2006-09-13

2006-09-14

2006-09-14

2006-09-16

2006-09-21

2007-04-06

2008-10-21

2009-11-01

2009-11-11

2009-12-24

2011-02-23

2011-06-22

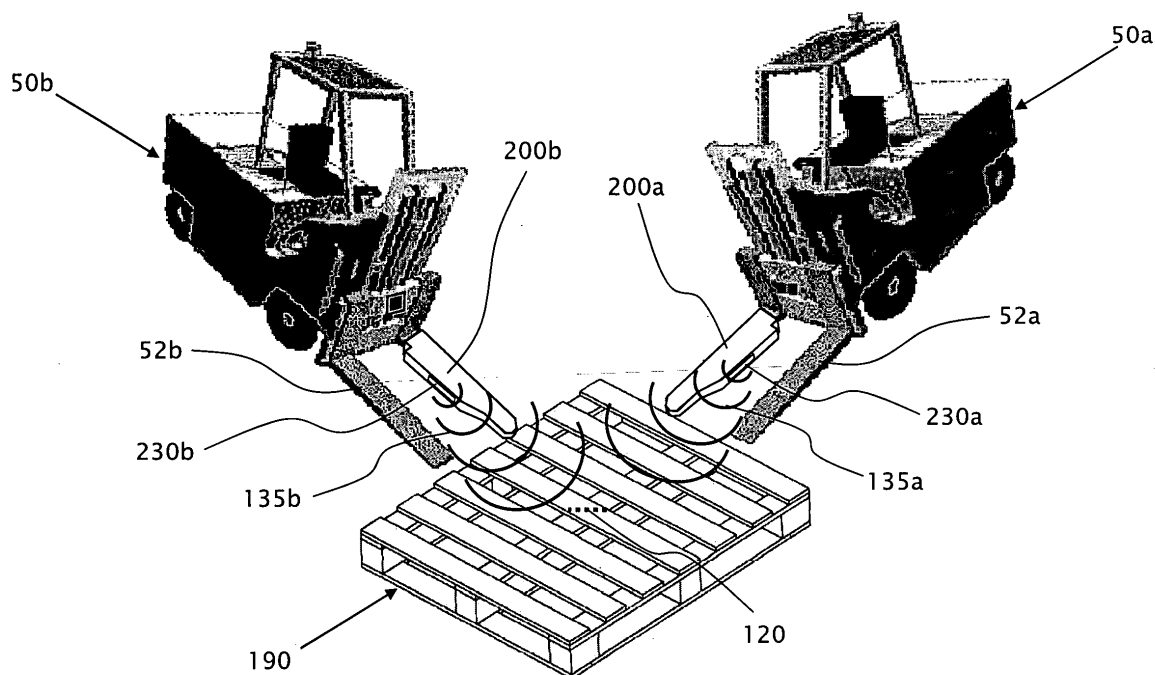
Family 2/25 - FAMPAT - ©Questel

Title

(EP2310993)

Smart logistic system with rfid reader mounted on a forklift tine

Images



Publication data including kind & date

WO2010007621	A1	2010-01-21	WO201007621
EP2310993	A1	2011-04-20	EP2310993
US2011095087	A1	2011-04-28	US20110095087
CN102105896	A	2011-06-22	CN102105896
JP2012502861	A	2012-02-02	JP2012502861



Abstract

(EP2310993)

A smart logistic system for interrogating radio frequency identification (RFID) tags, including: a) a portable support and protective structure adapted for mounting on a tine of the forklift, the support and protective structure including a mounting section, includes a top surface and a bottom surface, and a component section each extending along at least a portion of the support and protective structure, the mounting section configured to secure the support and protective structure to the tine and the component section including a compartment; b) a RFID reader securely accommodated inside the compartment; c) a RFID antenna; and d) a power source securely accommodated in the component section. The support and protective structure being portable and the RFID reader being self sufficient, the smart logistic system can be deployed to another tine of a forklift within seconds.

Inventors

MASTER ISRAEL
 BERLINER SHLOMO
 SHEFY NEHEMIA
 FELDMAN AMMON
 BIALIK BENNY
 ZIVAN SHMUEL
 GOLDRAT MORDECHAY

Latest standardized assignees - inventors removed

CARMEL CONTAINER SYSTEMS
 GALBITAL RFID SOLUTIONS

Application dates

2009-07-13
 2009-07-13

2009-07-13

2009-07-13

2009-07-13

Publication dates

2010-01-21

2011-04-20

2011-04-28

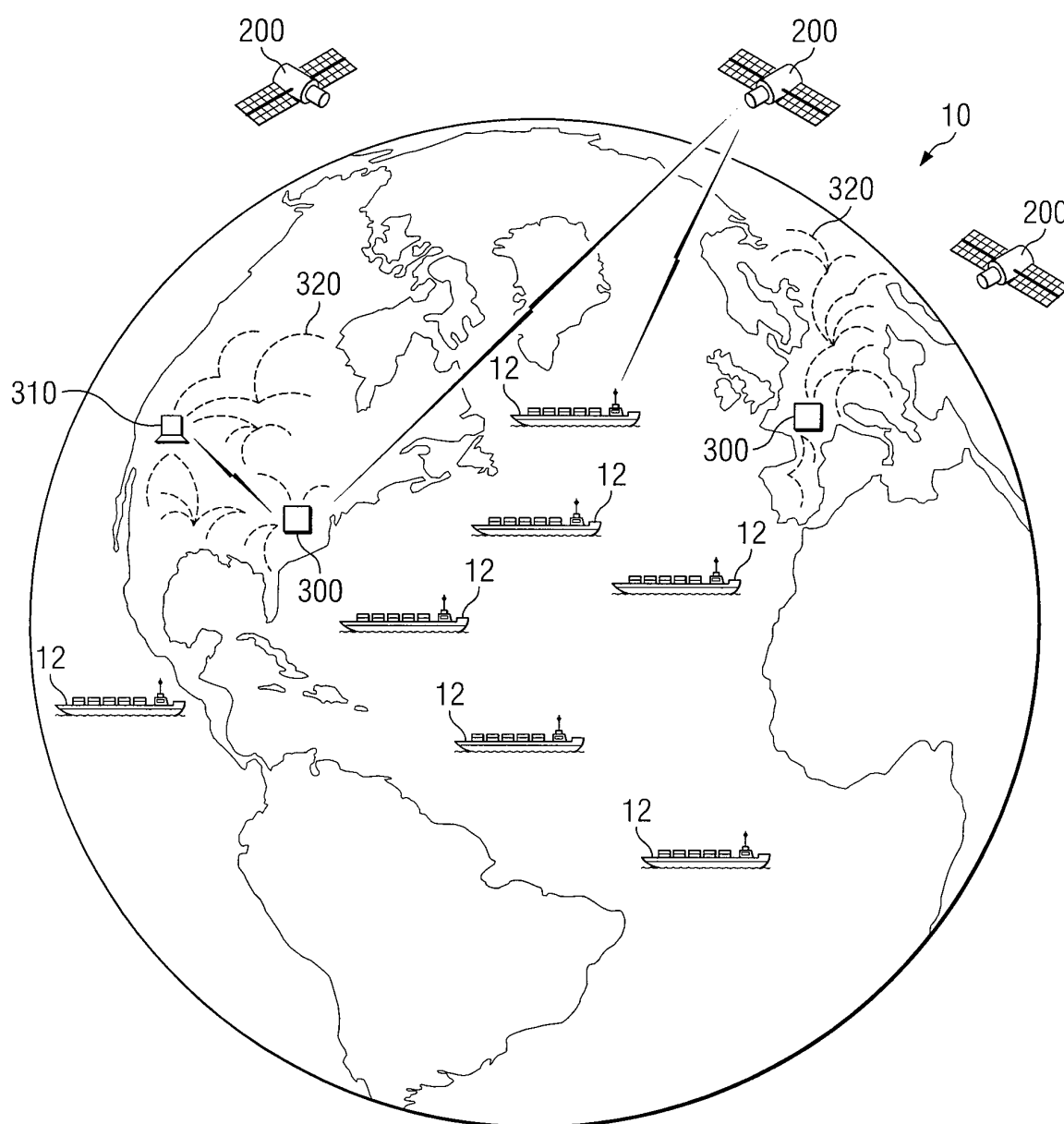
2011-06-22

2012-02-02

Family 3/25 - FAMPAT - ©Questel

Title

(US20080231459)

Cargo Container Monitoring Device**Images****Publication data including kind & date**[US2008231459](#) A1 2008-09-25 US20080231459[US2008231454](#) A1 2008-09-25 US20080231454**Abstract**

(US20080231459)

According to one embodiment, a **cargo** container monitoring system includes components located on a **cargo** ship for collecting **cargo** container status information for a plurality of **cargo** containers. The components include at least one combination data logger and gateway device. The combination device includes a first antenna and a second antenna. The first antenna is configured to receive first wireless communications signals transmitted by a plurality of tags at a first frequency. Each tag is associated with a particular one of the **cargo** containers and the first wireless communications signals received from each tag include **cargo** container status information for the associated **cargo** container. The second antenna is configured to transmit second wireless communications signals to an access point at a second frequency. The second wireless communications signals include the **cargo** container status information received from the plurality of tags and the first frequency is different from the second frequency.

Inventors

CORDER RODNEY

Latest standardized assignees - inventors removed

CONTAINER TRAC

Application dates

2007-03-23

2008-05-30

Publication dates

2008-09-25

2008-09-25

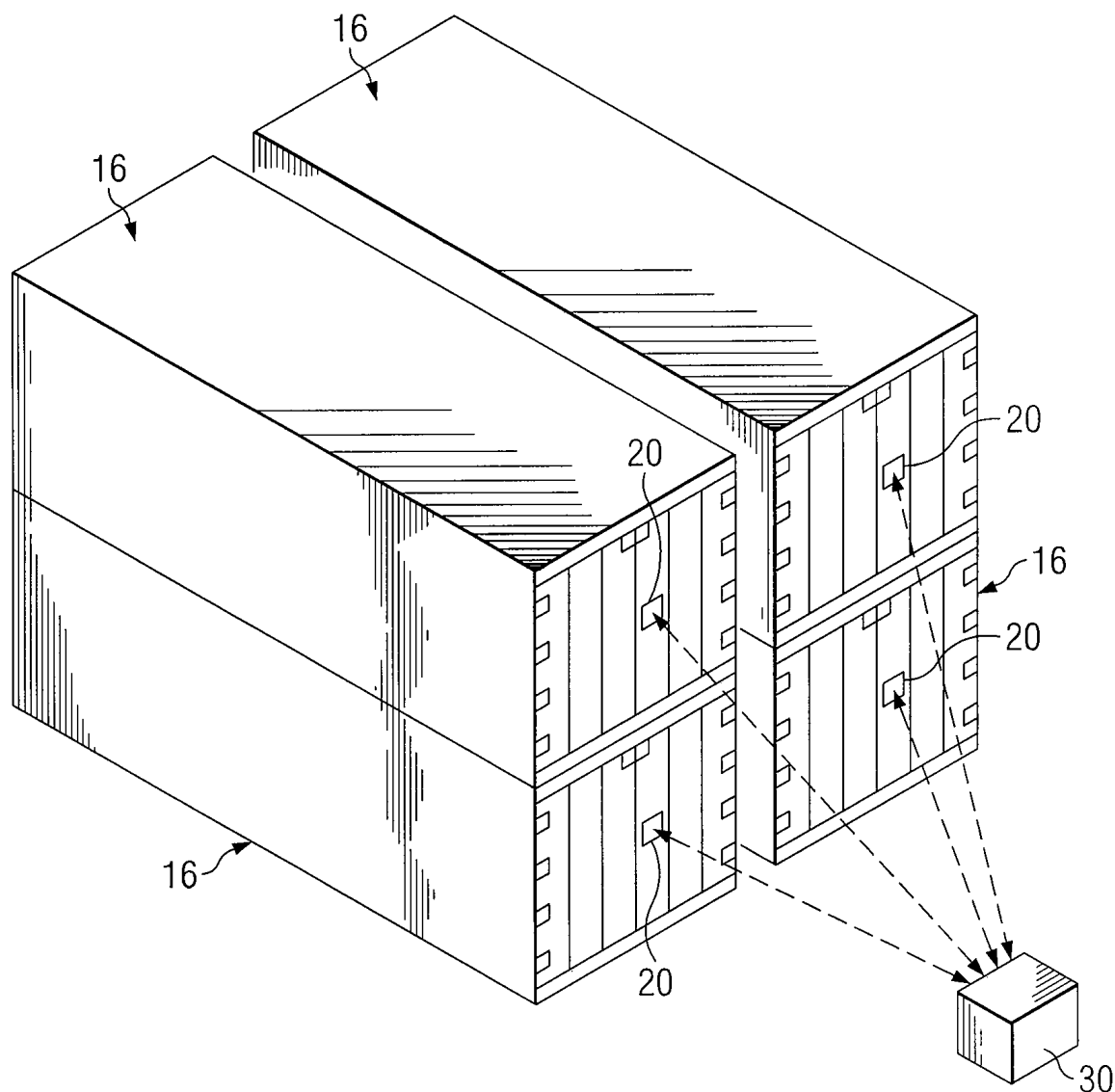
Family 4/25 - FAMPAT - ©Questel

Title

(US20080231453)

Cargo Container Monitoring System

Images

**Publication data including kind & date**

US2008231453	A1	2008-09-25	US20080231453
US2008231438	A1	2008-09-25	US20080231438

**Abstract**

(US20080231453)

According to one embodiment, a **cargo** container monitoring system includes components located on a ship for collecting status information for containers. The components include data loggers, a gateway, an access point, and a controller. Each data logger is configured to receive first wireless signals from a plurality of tags. Each tag is associated with a particular container and the signals include status information for the associated container. The gateway is coupled to a data logger and configured to receive signals from the data logger including status information. The gateway is further configured to transmit second wireless signals, the second signals including the status information. The access point is configured to receive the second signals from the gateway. The controller is communicatively coupled to the access point and is configured to receive signals from the access point including the status information. The controller is further configured to store the status information.

Inventors

CORDER RODNEY

Latest standardized assignees - inventors removed

CONTAINER TRAC DANA POINT

Application dates

2007-03-23

2008-05-30

Publication dates

2008-09-25

2008-09-25

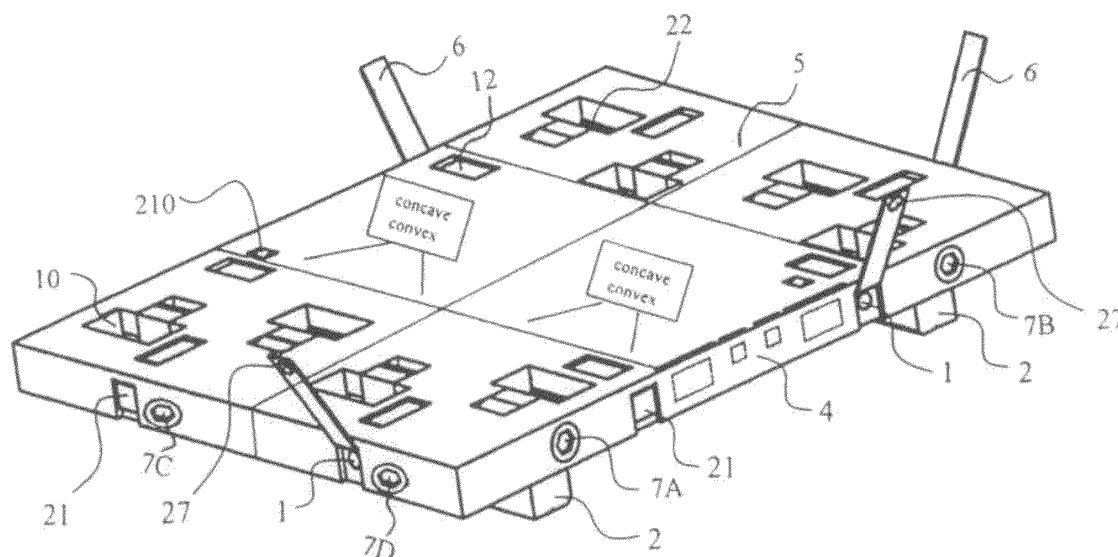
Family 5/25 - FAMPAT - ©Questel

Title

(US8786407)

Universal and reusable RFID system and method for use in supply chain and logistics management

Images



Publication data including kind & date

CN101670898	A	2010-03-17	CN101670898
US2011061572	A1	2011-03-17	US20110061572
CN101670898	B	2011-04-13	CN101670898B
US2012075071	A1	2012-03-29	US20120075071
US8505469	B2	2013-08-13	US8505469
US8786407	B2	2014-07-22	US8786407



Abstract

(US8786407)

An universal and reusable RFID system comprises an universal and reusable RFID reader, an universal and reusable RFID data carrier, a universal and reusable RFID neutral tag, a RFID neutral tag equipped collapsible and reusable pallet and a RFID neutral tag equipped collapsible and reusable box. In various embodiments, the universal and reusable RFID system is used for data collection, data comparison, data confirmation and data combination under all conditions in the supply chain and logistics management. A "bank-like" system is further used for all components of the universal and reusable RFID system to be efficiently supplied for use and collected for further application.

Inventors

LIU XUE WU

LI RUI

Application dates

2009-09-14

2010-03-21

2011-08-11

Publication dates

2010-03-17

2011-03-17

2011-04-13

2012-03-29

2013-08-13

2014-07-22

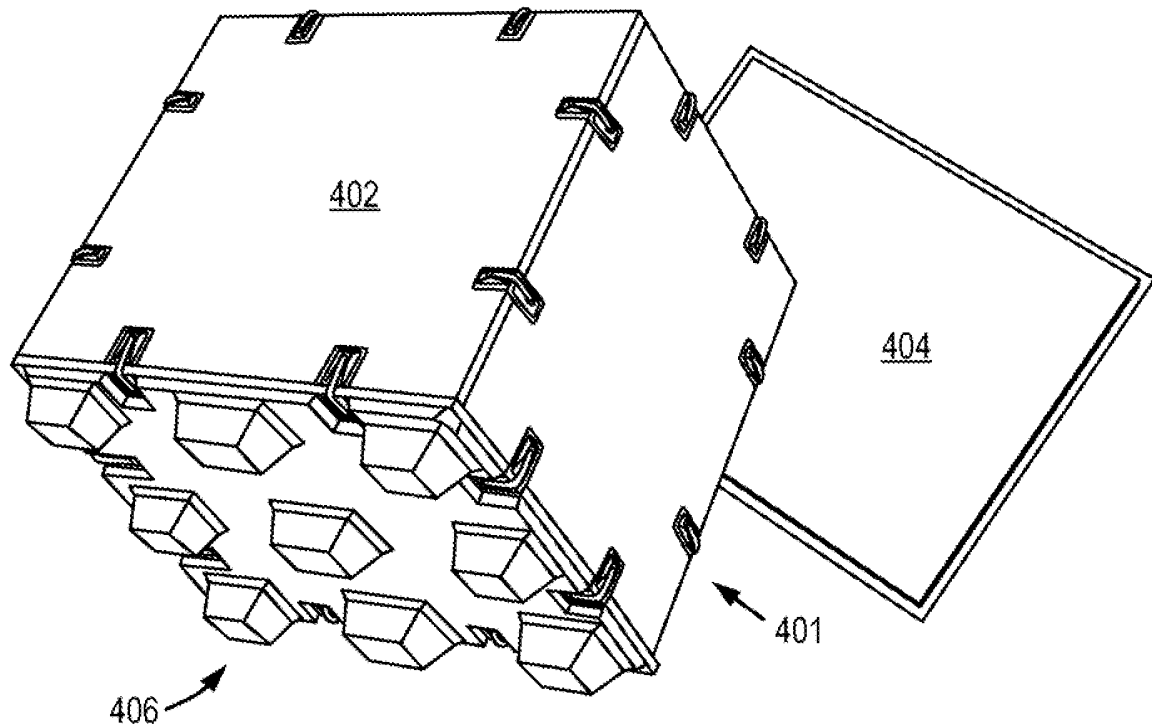
Family 6/25 - FAMPAT - ©Questel

Title

(EP1989120)

Modular, knock-down, light weight, thermally insulating, tamper proof shipping container and fire retardant shipping bag

Images



Publication data including kind & date

WO2007092959	A2	2007-08-16	WO200792959
AU2007213471	A1	2007-08-16	AU2007213471
US2007194019	A1	2007-08-23	US20070194019
WO2007092959	A3	2008-02-21	WO200792959
EP1989120	A2	2008-11-12	EP1989120
KR20080109752	A	2008-12-17	KR20080109752
VN19184	A	2009-02-25	VN--19184
IN4755/CHENP/2008	A	2009-03-13	IN2008CN04755
CN101421165	A	2009-04-29	CN101421165
EP1989120	A4	2009-11-25	EP1989120
US7963397	B2	2011-06-21	US7963397
US2011226655	A1	2011-09-22	US20110226655
KR101328377	B1	2013-11-11	KR101328377
US8672137	B2	2014-03-18	US8672137



Abstract

(EP1989120)

The invention provides a knock-down, lightweight, thermally insulating, shipping container made at least in part from a polymer core covered by a thermoplastic sheet layer. In an embodiment of the invention, the shipping container is modular,

being adjusted to suit the item(s) to be shipped. In an embodiment of the invention, the base, top panel and walls are made of expanded polystyrene core and combined with high impact polystyrene surface. In one embodiment, a mesh is introduced into the core to strengthen the core making the shipping container tamper proof. A shipping container bag that is light weight, strong, made of a fire retardant material and which forms an ultra violet light, weather and dust barrier can be used to store the shipping container. A system and method for supplying, dispensing, positioning, tracking, transporting, forwarding and storing the light weight shipping containers based on the shipping container bag is disclosed.

Inventors

SEAGLE VANCE L

TSCHIRN PHILIP J

IMBRECHT RICK D

THOMPSON DAVID G

Latest standardized assignees - inventors removed

AIRDEX

Application dates

2007-02-08

2007-02-09

2007-02-09

2007-02-09

2007-02-09

2007-02-09

2008-09-09

2008-09-09

2011-05-30

Publication dates

2007-08-16

2007-08-16

2007-08-23

2008-02-21

2008-11-12

2008-12-17

2009-02-25

2009-03-13

2009-04-29

2009-11-25

2011-06-21

2011-09-22

2013-11-11

2014-03-18

Family 7/25 - FAMPAT - ©Questel

Title

(EP1983604)

Wireless communication device and method

Images

FORSTER IAN JAMES

TERRANOVA STEVEN N

Latest standardized assignees - inventors removed

MINERAL LASSEN

Application dates

2003-02-03

2003-04-22

2003-04-22

2003-04-22

2003-04-22

2003-04-22

2003-04-22

2003-04-22

2003-04-22

2003-04-22

2003-04-22

2003-04-22

2006-08-30

2006-08-30

2006-08-30

Publication dates

2003-07-17

2004-08-19

2004-08-30

2005-11-02

2006-02-09

2006-02-22

2006-04-27

2006-12-28

2006-12-28

2007-03-13

2007-03-15

2008-03-26

2008-04-15

2008-05-08

2008-05-20

2008-09-02

2008-10-21

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2009-08-19

2010-05-07

2010-10-04

2011-05-25

2011-07-06

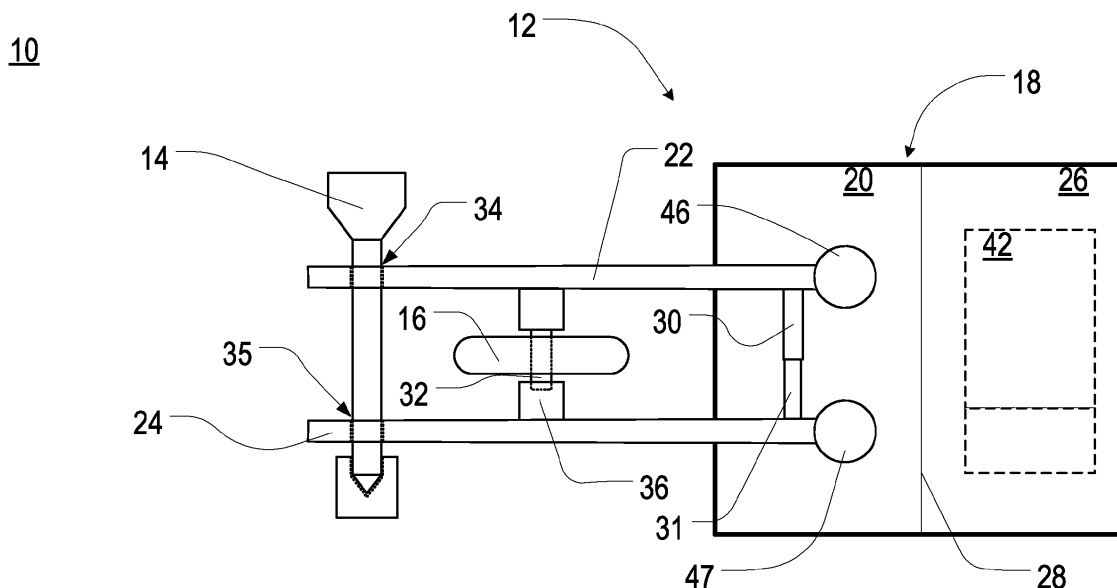
2012-05-24

Family 8/25 - FAMPAT - ©Questel

Title

(US9386553)

Securing, monitoring and tracking shipping containers

Images**Publication data including kind & date**

US2009322510	A1	2009-12-31	US20090322510
US2010013635	A1	2010-01-21	US20100013635
US8207848	B2	2012-06-26	US8207848
US8279067	B2	2012-10-02	US8279067
US2012324964	A1	2012-12-27	US20120324964
US2013016636	A1	2013-01-17	US20130016636
US9386553	B2	2016-07-05	US9386553
US2016300183	A1	2016-10-13	US20160300183

**Abstract**

(US9386553)

A method of securing a container includes inserting, into a seal device at a container, an electronic bolt; reading, by the seal device, a serial number stored in the electronic bolt; communicating, from the seal device, to a user application, insertion of the bolt; scanning, by the user via a handheld device, a barcode on the seal device representative of an identification of the seal device; communicating, from the handheld device to the user application, the identification of the seal device; inputting, by a user at the container via the handheld device, information associated with the container; communicating, from the handheld device to the user application, the information associated with the container; associating, in a database by the user application, the information associated with the container with the bolt serial number and the identification of the seal device; communicating, by the user application, a confirmation to the seal device.

Inventors

BERGER THOMAS R

DENNY JOSEPH E

ROBINS DAVID S

KOOP LAMONTE PETER

PAYNE EDWARD ALLEN

TWITCHELL JR ROBERT W

Latest standardized assignees - inventors removed

GOOGLE

Application dates

2009-05-18

2009-05-18

2012-06-26

2012-09-14

2016-06-27

Publication dates

2009-12-31

2010-01-21

2012-06-26

2012-10-02

2012-12-27

2013-01-17

2016-07-05

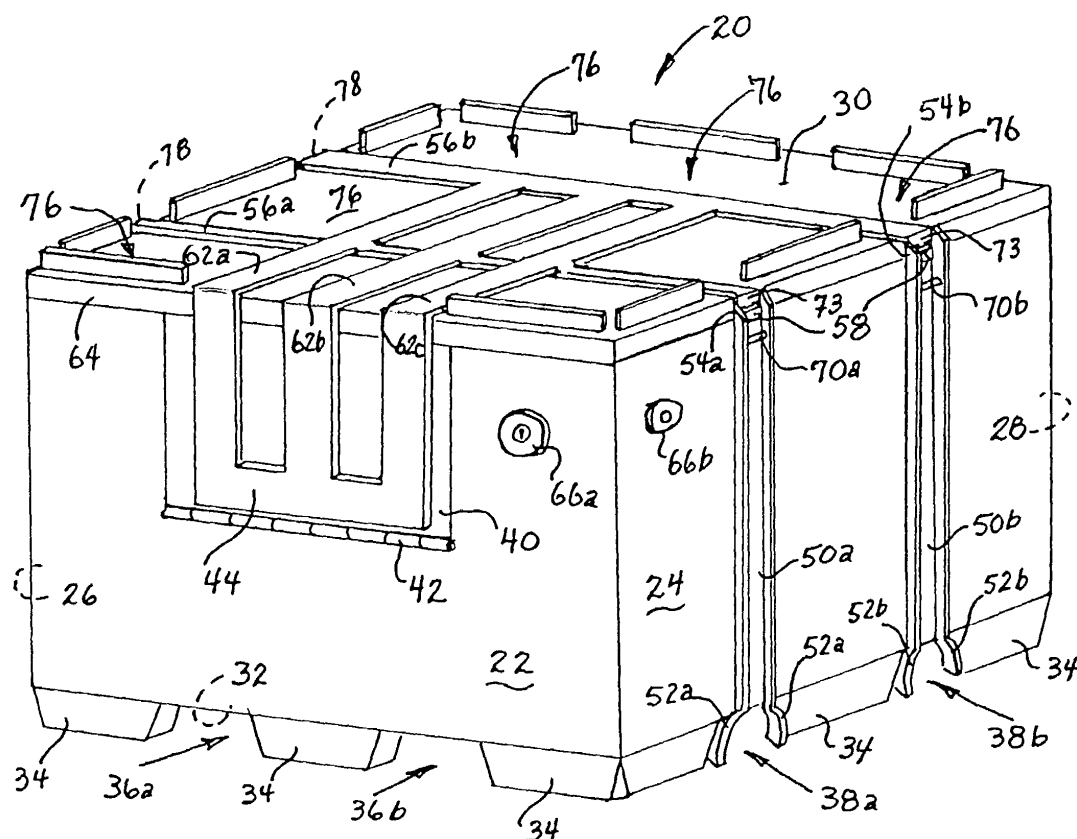
2016-10-13

Family 9/25 - FAMPAT - ©Questel

Title

(WO2006124105)

Mini pallet-box moving container

Images**Publication data including kind & date**

US2003123965	A1	2003-07-03	US20030123965
WO03057533	A1	2003-07-17	WO200357533
AU2002360806	A1	2003-07-24	AU2002360806



US2005036847	A1	2005-02-17	US20050036847				
US2005232747	A1	2005-10-20	US20050232747				
US7011214	B2	2006-03-14	US7011214				
US7059819	B2	2006-06-13	US7059819				
WO2006124105	A2	2006-11-23	WO2006124105				
WO2006124105	A3	2008-01-24	WO2006124105				
US2008297346	A1	2008-12-04	US20080297346				
US7482928	B2	2009-01-27	US7482928				
US7714708	B2	2010-05-11	US7714708				
US2010253519	A1	2010-10-07	US20100253519				

Abstract

(WO2006124105)

Smart, reliable, mini-pallet **cargo** container system comprising robust, auditable, secure, sealable, lockable, trackable and pollable, universal, half/quarter- sized boxes particularly useful for moving highly valuable or sensitive, personal, political, military or commercial materials, embodiments include truly verifiable ballot boxes, verifiably secure moving containers. Blast attenuation inserts are disclosed. The boxes include electronic locks containing event memory, sensors and alarms, and RF communications and GPS locator module(s) that radio to a base station the time, location and status of the inventive box, and anomalous events as they occur, including unauthorized attempts to open or break into the container, or potential damage events. In addition, both the locks and conim modules are programmable, and provide extensive, and selectably pollable and down-loadable, printable event, access and transport history and audit trails. The comm system permits remote tracking and real time status check via the Internet, LAN or WAN wireless networks.

Inventors

BRACKMANN ROGERS F

BRACKMANN JAY R

KOSSNAR DENNIS J

ASH DAVID

DULIN JACQUES M

Latest standardized assignees - inventors removed

VERDASEE SOLUTIONS

Application dates

2002-12-27

2002-12-27

2002-12-27

2004-09-14

2005-05-13

2006-03-13

2006-03-14

2007-12-18

Publication dates

2003-07-03

2003-07-17

2003-07-24

2005-02-17

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2006-06-13

2006-11-23

2008-01-24

2008-12-04

2009-01-27

2010-05-11

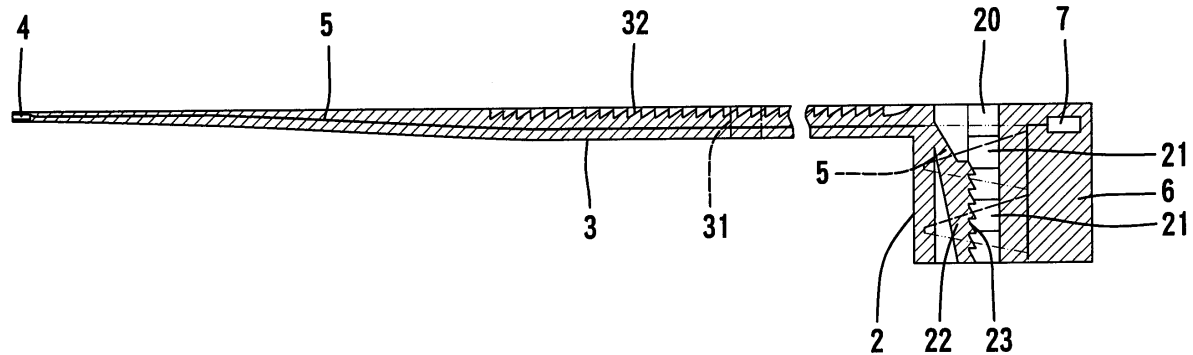
2010-10-07

Family 10/25 - FAMPAT - ©Questel

Title

(US7202788)

RFID electronic seal and system using the RFID electronic seal

Images**Publication data including kind & date**[US2006087431](#)

A1 2006-04-27

US20060087431

[US7202788](#)

B2 2007-04-10

US7202788

**Abstract**

(US7202788)

An RFID electronic seal includes a head and a strap. A through-hole extends from a first side through a second side of the head. The strap includes an end extending from the first side of the head. A tag is embedded in the head or the strap. A signal-transmitting line is embedded in at least one of the head and the strap and extends from the tag. The strap is extendable through the through-hole of the head along a tightening direction, forming a tightening space, with an engaging member on the strap engaging with another engaging member on the head to prevent the strap from moving in an unfastening direction. The electronic seal can be used in a tracking system that allows a **cargo** or goods owner to notice breakage of the electronic seal in real time.

Inventors

SHIEH YENG-BAO

SHIH SUNG-TSUN

Latest standardized assignees - inventors removed

SHIEH YENG BAO

Application dates

2004-10-21

Publication dates

2006-04-27

2007-04-10

Family 11/25 - FAMPAT - ©Questel

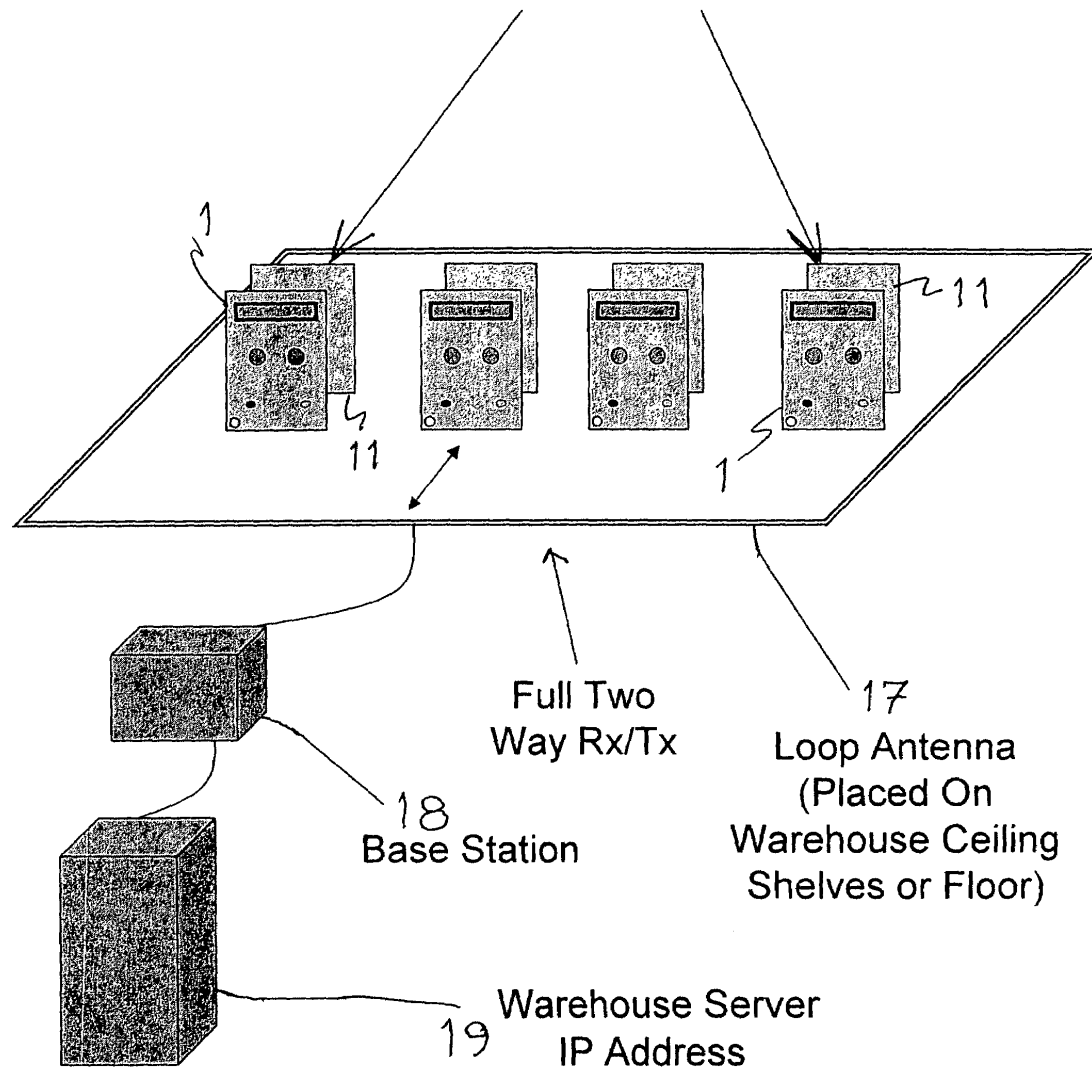
Title

(US7911344)

Smartbeam visibility network

Images

Warehouse Network of Tags Placed on Freight



Publication data including kind & date

US2004201454	A1	2004-10-14	US20040201454
US7049963	B2	2006-05-23	US7049963
US2006128023	A1	2006-06-15	US20060128023
US7164359	B2	2007-01-16	US7164359
US7170413	B1	2007-01-30	US7170413
US2007152825	A1	2007-07-05	US20070152825
US2007152826	A1	2007-07-05	US20070152826
US2007152824	A1	2007-07-05	US20070152824
US7277014	B1	2007-10-02	US7277014
US7489244	B2	2009-02-10	US7489244
US7489245	B2	2009-02-10	US7489245
US2009160620	A1	2009-06-25	US20090160620
US2010033330	A1	2010-02-11	US20100033330
US7911344	B2	2011-03-22	US7911344



Abstract

(US7911344)

A method for providing real-time visibility on a construction project includes steps of: attaching a low-frequency, ultra low-power, two-way transceiver radio tag to each construction material to be used in the construction project; storing data

relating to the construction material in the tag; and reading the data from the transceiver of the tag by interrogating the radio tag with radio frequency interrogation signals.

Inventors

AUGUST JASON

STEVENS JOHN

TKACHENKO ALEXANDER

WATERHOUSE PAUL

Latest standardized assignees - inventors removed

VISIBLE ASSETS

Application dates

2004-04-08

2005-02-08

2006-02-17

2006-07-31

2006-07-31

2006-08-07

2006-08-07

2007-12-19

Publication dates

2004-10-14

2006-05-23

2006-06-15

2007-01-16

2007-01-30

2007-07-05

2007-07-05

2007-07-05

2007-10-02

2009-02-10

2009-02-10

2009-06-25

2010-02-11

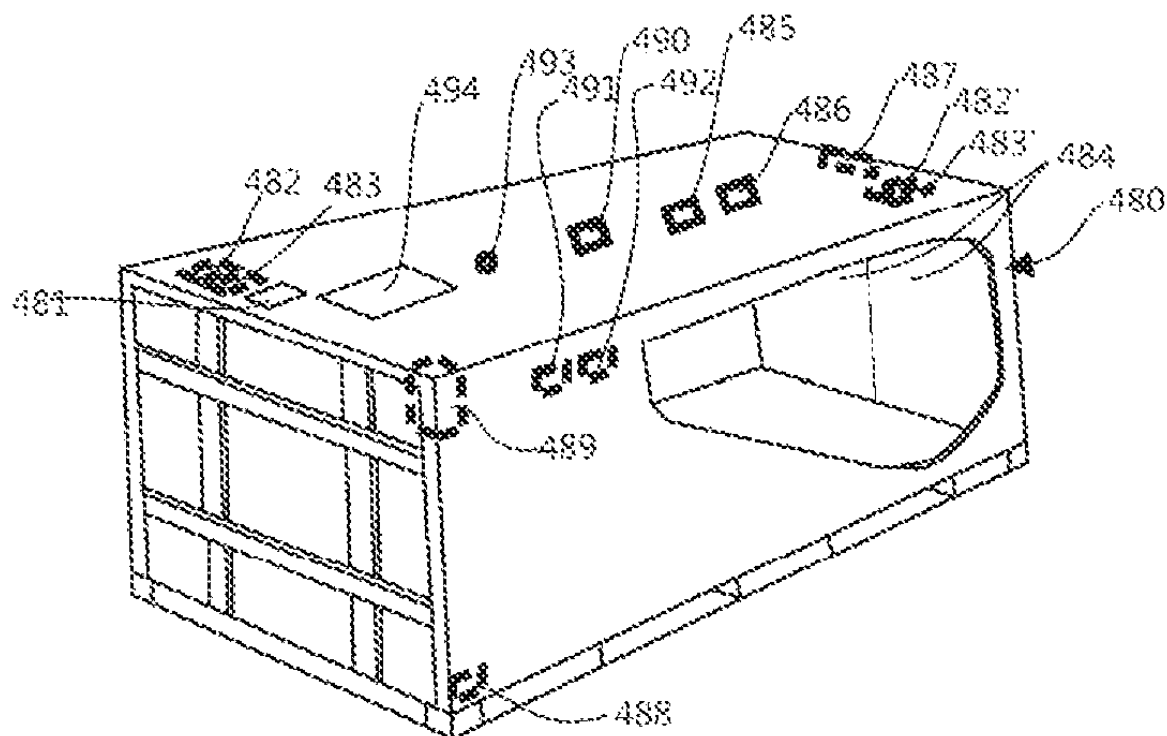
2011-03-22

Family 12/25 - FAMPAT - ©Questel

Title

(US9033116)

Cargo theft prevention system and method**Images**



Publication data including kind & date

US2013033381	A1	2013-02-07	US20130033381
US2014202800	A1	2014-07-24	US20140202800
US9030321	B2	2015-05-12	US9030321
US9033116	B2	2015-05-19	US9033116



Abstract

(US9033116)

Arrangement and method for monitoring a structure at a fixed location, e.g., a house, parked boat or parked airplane, includes a monitoring or sensor system arranged to obtain information about the structure, an exterior of the structure and/or an interior of the structure different than the location of the structure, and a communication system coupled to the sensor system and being provided with a location of the structure. The communication system transmits the information about the structure obtained by the sensor system and the location of the structure to a remote facility. The remote facility can therefore monitor the structure, and take steps to ensure the integrity of the reservoir and the fluid therein. To enable wireless and powerless monitoring, a power source independent of a power grid extending outside of the trailer may be provided to supply power to the sensor system and the communications unit.

Inventors

BREED DAVID S

Latest standardized assignees - inventors removed

INTELLIGENT TECHNOLOGIES INTERNATIONAL

Application dates

2012-09-04

2013-09-11

Publication dates

2013-02-07

2014-07-24

2015-05-12

2015-05-19

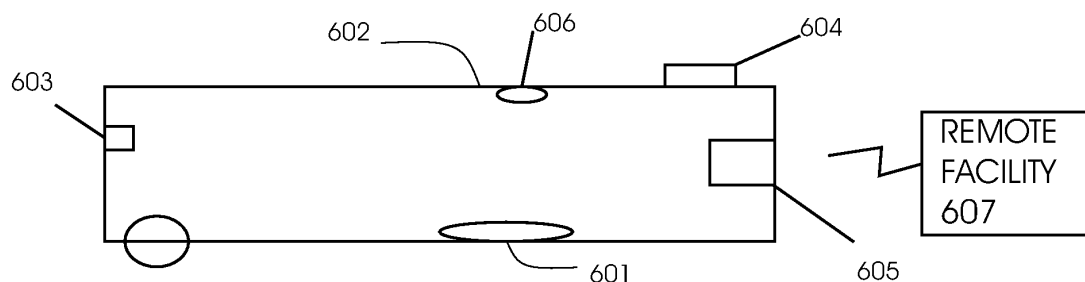
Family 13/25 - FAMPAT - ©Questel

Title

(US9701265)

Smartphone-based vehicle control methods

Images



Publication data including kind & date

US2008047329	A1	2008-02-28	US20080047329
US2008061959	A1	2008-03-13	US20080061959
US2008064413	A1	2008-03-13	US20080064413
US2008088462	A1	2008-04-17	US20080088462
US2008088441	A1	2008-04-17	US20080088441
US2008094212	A1	2008-04-24	US20080094212
US2008100706	A1	2008-05-01	US20080100706
US2008108372	A1	2008-05-08	US20080108372
US2008174423	A1	2008-07-24	US20080174423
US2008236275	A1	2008-10-02	US20080236275
US2008250869	A1	2008-10-16	US20080250869
US2008262646	A1	2008-10-23	US20080262646
US2008270076	A1	2008-10-30	US20080270076
US2008272923	A1	2008-11-06	US20080272923
US2008272906	A1	2008-11-06	US20080272906
US2008282817	A1	2008-11-20	US20080282817
US2009015400	A1	2009-01-15	US20090015400
US2009058593	A1	2009-03-05	US20090058593
US7819003	B2	2010-10-26	US7819003
US2010283626	A1	2010-11-11	US20100283626
US2011095940	A1	2011-04-28	US20110095940
US7961094	B2	2011-06-14	US7961094
US8014789	B2	2011-09-06	US8014789
US8035508	B2	2011-10-11	US8035508
US8047432	B2	2011-11-01	US8047432
US2012028680	A1	2012-02-02	US20120028680
US8115620	B2	2012-02-14	US8115620
US8310363	B2	2012-11-13	US8310363
US2013002443	A1	2013-01-03	US20130002443
US8354927	B2	2013-01-15	US8354927
US2013035901	A1	2013-02-07	US20130035901
US8384538	B2	2013-02-26	US8384538
US8410945	B2	2013-04-02	US8410945
US2013267194	A1	2013-10-10	US20130267194
US8581688	B2	2013-11-12	US8581688
US2014067284	A1	2014-03-06	US20140067284



US8994546	B2	2015-03-31	US8994546				
US9151692	B2	2015-10-06	US9151692				
US9211811	B2	2015-12-15	US9211811				
US2016090055	A1	2016-03-31	US2016090055				
US9701265	B2	2017-07-11	US9701265				
US2017313269	A1	2017-11-02	US20170313269				

Abstract

(US9701265)

Method for controlling a vehicle including a smartphone-engaging coupling element.Data about operational status of the vehicle is transferred from one or more vehicle-resident systems to a smartphone when the smartphone is engaged with the coupling element.Commands are received by the vehicle from the smartphone when the smartphone is engaged with the coupling element, which commands being based in part on data previously transferred from the vehicle-resident system(s) to the smartphone when the smartphone is engaged with the coupling element.A vehicular system, e.g., seat positioning system, mirror positioning system, passenger compartment temperature control system, route guidance or navigation system, changes its operation in accordance with the commands received by the vehicle from the smartphone when the smartphone is engaged with the coupling element.

Inventors

BREED DAVID S

Latest standardized assignees - inventors removed

INTELLIGENT TECHNOLOGIES INTERNATIONAL

Application dates

2007-08-23

2007-10-01

2007-10-11

2007-10-23

2007-10-23

2007-10-25

2007-10-25

2007-10-26

2007-10-30

2007-10-30

2007-10-30

2007-10-30

2007-11-06

2007-11-12

2007-11-29

2007-11-29

2007-12-31

2007-12-31

2008-01-03

2008-01-03

2008-01-07

2011-10-11

2012-08-23

2012-11-19

2013-06-06

2015-12-14

2017-07-05

Publication dates

2008-02-28
2008-03-13
2008-03-13
2008-04-17
2008-04-17
2008-04-24
2008-05-01
2008-05-08
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2008-10-16
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2015-12-15
2016-03-31
2017-07-11
2017-11-02

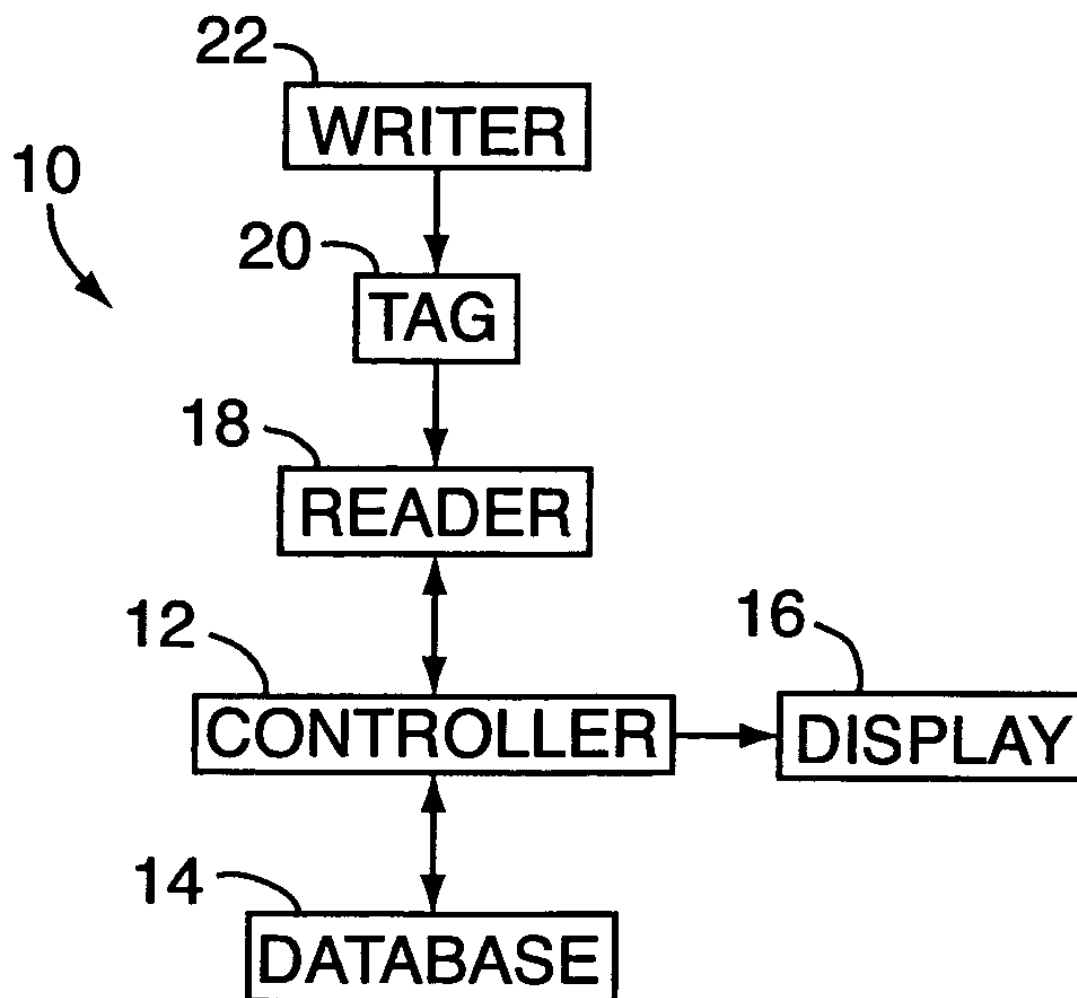
Family 14/25 - FAMPAT - ©Questel

Title

(EP1811444)

Electronic security system for monitoring and recording activity and data relating to persons or **cargo**

Images


Publication data including kind & date

US2004257224	A1	2004-12-23	US20040257224
WO2004114685	A2	2004-12-29	WO2004114685
WO2004114086	A2	2004-12-29	WO2004114086
CA2529312	A1	2004-12-29	CA2529312
CA2529186	A1	2004-12-29	CA2529186
AU2004250970	A1	2004-12-29	AU2004250970
AU2004250692	A1	2004-12-29	AU2004250692
WO2004114685	A3	2005-01-27	WO2004114685
US2005039014	A1	2005-02-17	US20050039014
WO2005033831	A2	2005-04-14	WO200533831
CA2529049	A1	2005-04-14	CA2529049
AU2004278993	A1	2005-04-14	AU2004278993
US2005099292	A1	2005-05-12	US20050099292
WO2004114086	A3	2005-11-17	WO2004114086
NO20060245	A	2006-01-17	NO200600245
NO20060243	A	2006-01-17	NO200600243
NO20060244	A	2006-01-17	NO200600244
KR20060019604	A	2006-03-03	KR20060019604
US7012529	B2	2006-03-14	US7012529
EP1639564	A2	2006-03-29	EP1639564
KR20060029139	A	2006-04-04	KR20060029139



KR20060029230	A	2006-04-05	KR20060029230				
WO2005033831	A3	2006-04-06	WO200533831				
EP1645140	A2	2006-04-12	EP1645140				
EP1644806	A2	2006-04-12	EP1644806				
MXPA05013837	A	2006-05-17	MX2005PA013837				
MXPA05013835	A	2006-05-17	MX2005PA013835				
CR8160	A	2006-06-29	CR---8160				
US2006145812	A1	2006-07-06	US20060145812				
BRPI0411489	A	2006-07-25	BR200411489				
BRPI0411489	A1	2006-07-25	BRPI0411489				
BRPI0411487	A	2006-07-25	BR200411487				
BRPI0411487	A1	2006-07-25	BRPI0411487				
CN1810047	A	2006-07-26	CN1810047				
CN1809849	A	2006-07-26	CN1809849				
BRPI0411615	A	2006-08-08	BR200411615				
BRPI0411615	A1	2006-08-08	BRPI0411615				
CN1833397	A	2006-09-13	CN1833397				
JP2006527892	A	2006-12-07	JP2006527892				
US2007008135	A1	2007-01-11	US20070008135				
US7176800	B2	2007-02-13	US7176800				
CA2570944	A1	2007-06-15	CA2570944				
CA2567165	A1	2007-06-15	CA2567165				
EP1798696	A1	2007-06-20	EP1798696				
NZ544064	A	2007-06-29	NZ-544064				
EP1811444	A2	2007-07-25	EP1811444				
NZ544065	A	2007-07-27	NZ-544065				
EP1639564	A4	2007-08-15	EP1639564				
EP1645140	A4	2007-08-15	EP1645140				
JP2007526541	A	2007-09-13	JP2007526541				
JP2007526186	A	2007-09-13	JP2007526186				
EP1644806	A4	2007-10-03	EP1644806				
KR100794887	B1	2008-01-14	KR100794887				
KR100796878	B1	2008-01-22	KR100796878				
KR100805501	B1	2008-02-20	KR100805501				
AU2004250970	B2	2008-03-06	AU2004250970				
EP1811444	A3	2008-03-19	EP1811444				
NZ544088	A	2008-07-31	NZ-544088				
AU2004250692	B2	2008-08-21	AU2004250692				
CR8161	A	2009-01-07	CR---8161				
US2009057399	A1	2009-03-05	US20090057399				
AU2004278993	B2	2009-03-12	AU2004278993				
US2009266882	A1	2009-10-29	US20090266882				
CA2677514	A1	2010-03-02	CA2677514				
US2010063888	A1	2010-03-11	US20100063888				
CA2529186	C	2010-04-06	CA2529186				
WO2010138159	A1	2010-12-02	WO2010138159				
TW201101189	A	2011-01-01	TW201101189				
BRPI0411615	A2	2012-05-22	BR200411615				

BRPI0411489

A2 2012-05-22 BR200411489

BRPI0411487

A2 2012-05-22 BR200411487

**Abstract**

(EP1811444)

A security system and method for the limited monitoring of visitors to a country or territory has an input component such as a keyboard or electronic reader configured for receiving information pertaining to a visitor's stay in a country or territory. The information includes the scheduled departure of the visitor. A controller communicates with the input component, and a database communicates with the controller for storing the information pertaining to the visitor's stay. The controller is configured for polling the database to determine if the visitor has departed as scheduled, and for sending an alert if the visitor has not left as scheduled.

Inventors

SAJKOWSKY JAMES M

Latest standardized assignees - inventors removed

UNITED SECURITY APPLICATIONS

Application dates

2004-06-17

2004-06-17

2004-06-17

2004-06-17

2004-06-17

2004-06-17

2004-06-17

2004-06-17

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2006-12-12

2006-12-14

2006-12-14

2008-09-02

2009-05-27

2009-07-30

2009-09-02

2010-05-04

2010-05-14

Publication dates

2004-12-23

2004-12-29

2004-12-29

2004-12-29

2004-12-29

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2005-01-27

2005-02-17

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2012-05-22

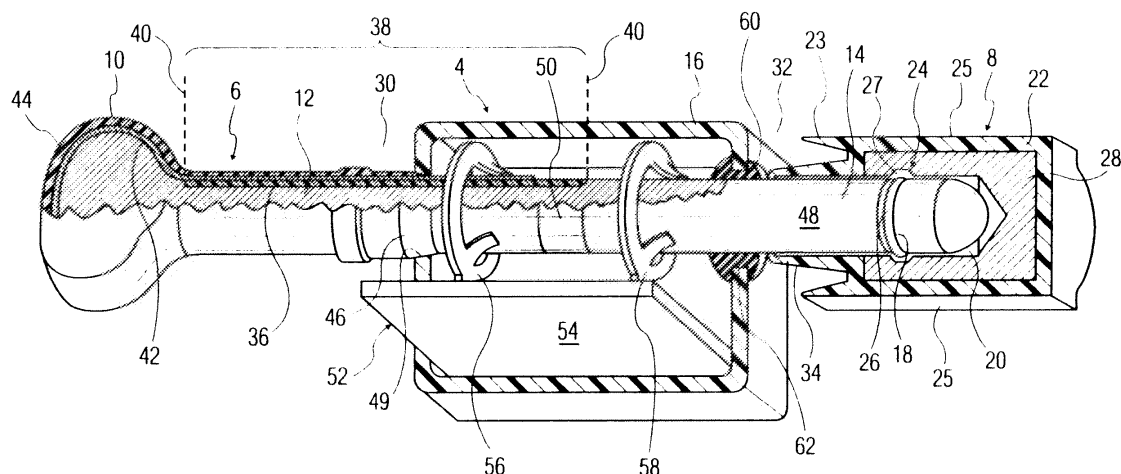
Family 15/25 - FAMPAT - ©Questel

Title

(EP2710576)

Reusable bolt electronic seal module with gps/cellular phone communications&tracking system

Images



Publication data including kind & date

US2009091144	A1	2009-04-09	US20090091144				
WO2009048516	A2	2009-04-16	WO200948516				
WO2009048516	A9	2009-06-18	WO200948516				
WO2009048516	A8	2009-08-20	WO200948516				
WO2009048516	A3	2009-10-15	WO200948516				
EP2195802	A2	2010-06-16	EP2195802				
US2011273852	A1	2011-11-10	US20110273852				
CA2835280	A1	2012-11-22	CA2835280				
WO2012158421	A1	2012-11-22	WO2012158421				
EP2195802	B1	2012-12-26	EP2195802				
EP2195802	B8	2013-02-20	EP2195802				
ES2401988	T3	2013-04-26	ES2401988				
MX2013012084	A	2014-01-31	MX2013012084				
EP2710576	A1	2014-03-26	EP2710576				
CN103703500	A	2014-04-02	CN103703500				
US2015213737	A1	2015-07-30	US20150213737				
US9472125	B2	2016-10-18	US9472125				
US2017032710	A1	2017-02-02	US20170032710				
CN103703500	B	2017-03-08	CN103703500B				

Abstract

(EP2710576)

An electronics circuit first portion is entirely within an electronics module housing, sensing and transmitting a tamper condition of a normally locked bolt. The bolt comprises a second portion of the electronics circuit. The seal electronics circuit first portion comprises a seal monitoring, tracking and communications system. The bolt passes through the module housing and is secured with a locking device external the module such that the module is reusable when the bolt is severed. The bolt and module housing include a cooperative contamination sealing arrangement for sealing the bolt to the housing. The electronics circuit first portion includes RFID tamper detection circuitry, GPS, Wi Fi and cell phone communication and tracking technologies. The cell phone technology tracks the seal using cell phone towers and Wi Fi access points and communicates the seal tracked position and seal status data to a cell phone communications center.

Inventors

DEBRODY ROBERT

RUTH DONALD

LUNDBERG GEORGE

DREISBACH RICHARD

Latest standardized assignees - inventors removed

E J BROOKS

Application dates

2008-09-29

2008-09-29

2008-09-29

2008-09-29

2011-05-18

2012-05-09

2012-05-09

2012-05-09

2012-05-09

2012-05-09

2015-02-04

2016-10-12

Publication dates

2009-04-09

2009-04-16

2009-06-18

2009-08-20

2009-10-15

2010-06-16

2011-11-10

2012-11-22

2012-11-22

2012-12-26

2013-02-20

2013-04-26

2014-01-31

2014-03-26

2014-04-02

2015-07-30

2016-10-18

2017-02-02

2017-03-08

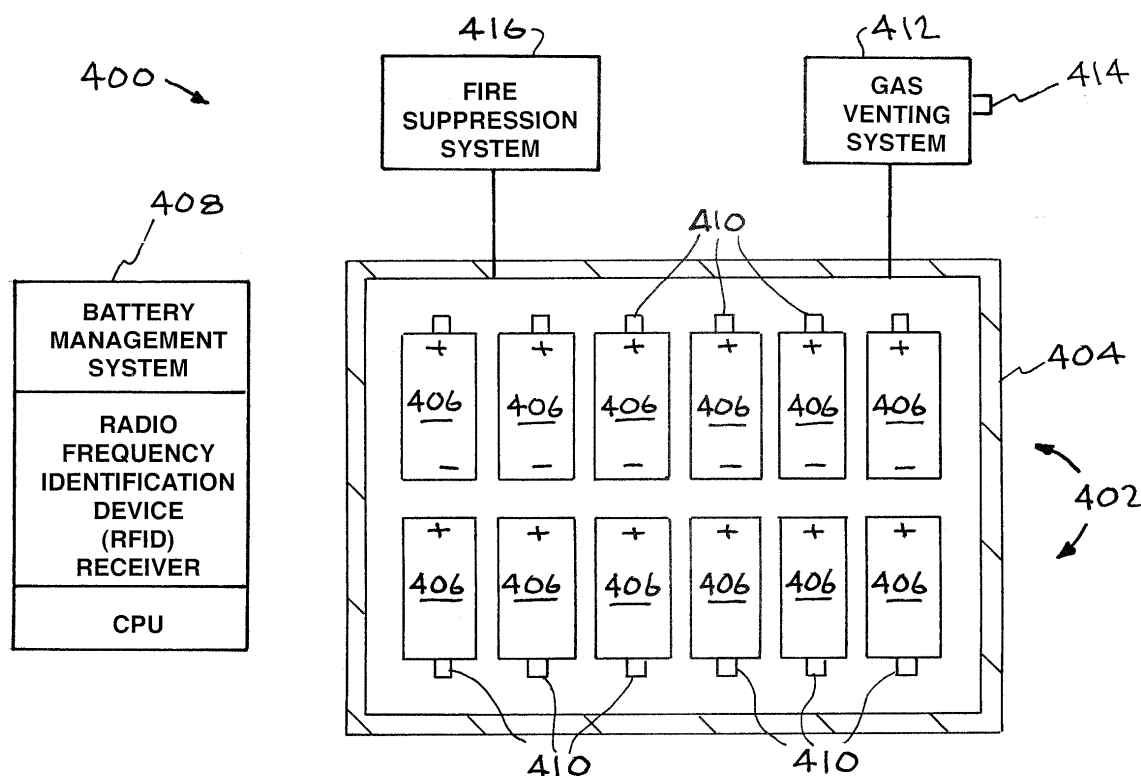
Family 16/25 - FAMPAT - ©Questel

Title

(WO2013177132)

Battery management system with distributed wireless sensors

Images

**Publication data including kind & date**

WO2013177132	A1	2013-11-28	WO2013177132
US2013316198	A1	2013-11-28	US20130316198
US2013314094	A1	2013-11-28	US20130314094
US9267993	B2	2016-02-23	US9267993
US9704384	B2	2017-07-11	US9704384

**Abstract**

(WO2013177132)

A system for monitoring parameters of an energy storage system having a multiplicity of individual energy storage cells. A radio frequency identification and sensor unit is connected to each of the individual energy storage cells. The radio frequency identification and sensor unit operates to sense the parameter of each individual energy storage cell and provides radio frequency transmission of the parameters of each individual energy storage cell. A management system monitors the radio frequency transmissions from the radio frequency identification and sensor units for monitoring the parameters of the energy storage system.

Inventors

FARMER JOSEPH C

BANDHAUER TODD M

Latest standardized assignees - inventors removed

LAWRENCE LIVERMORE NATIONAL SECURITY

Application dates

2013-02-21

2013-03-05

2013-05-21

Publication dates

2013-11-28

2013-11-28

2013-11-28

2016-02-23

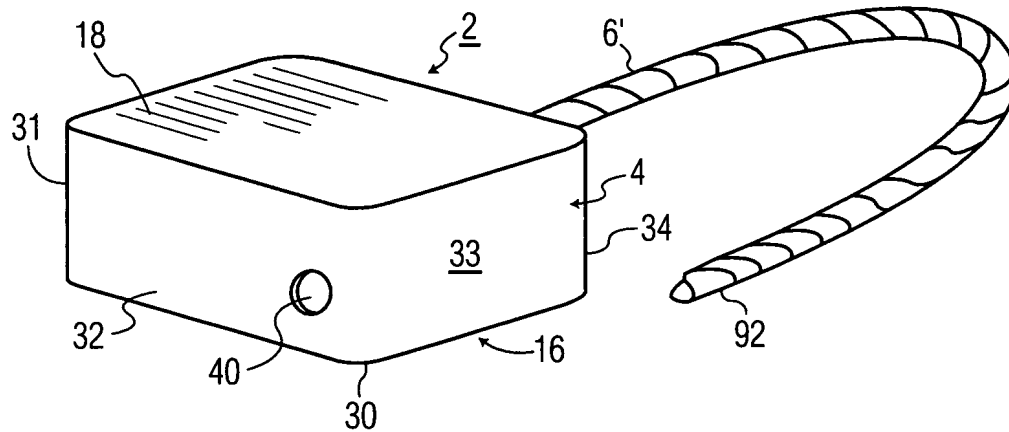
2017-07-11

Family 17/25 - FAMPAT - ©Questel

Title

(US7239238)

Electronic security seal

Images**Publication data including kind & date**

US2005231365	A1	2005-10-20	US20050231365
US7239238	B2	2007-07-03	US7239238

**Abstract**

(US7239238)

A battery operated cable security seal for **cargo** containers and the like includes a housing with a transparent cover for visual inspection of illuminated internal green or red LEDs, the red LED representing a tampered state of a stranded metal locking cable, which has a length sufficient to secure the keeper bars and hasp of a **cargo** container door. The cable has an internal conductor whose conductivity, e.g., resistance, manifests a tampered condition when severed and also if reattached, e.g., by a solder or spliced joint and so on. The electrical continuity of the conductor is monitored by a circuit in one embodiment for a severed state, i.e., tampering, and whose resistance is monitored in a second embodiment correlated optionally to either or both ambient temperature and a battery output voltage. The seal housing has two compartments one being hermetically sealed and contains the circuitry and the other containing a cable locking device for receiving and locking the cable to the seal. The circuit includes an RFID tag which may be part of a mesh network configuration with other tags.

Inventors

TESTER THEODORE R
DEBRODY ROBERT F
RUTH DONALD A

Latest standardized assignees - inventors removed

TELESIS TECHNOLOGIES
E J BROOKS

Application dates

2005-03-16

Publication dates

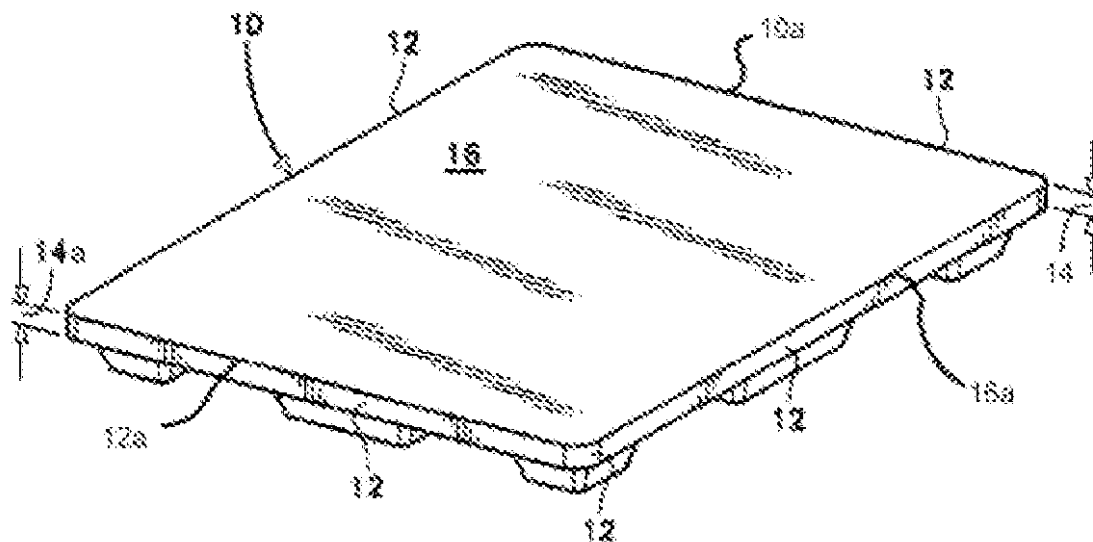
2005-10-20

2007-07-03

Family 18/25 - FAMPAT - ©Questel

Title

(WO201312762)

Climate control **cargo** container for storing, transporting and preserving **cargo****Images****Publication data including kind & date**

US2013015192	A1	2013-01-17	US20130015192
US2013015191	A1	2013-01-17	US20130015191
US2013015083	A1	2013-01-17	US20130015083
US2013014676	A1	2013-01-17	US20130014676
WO2013012762	A2	2013-01-24	WO201312762
WO2013012762	A3	2013-03-28	WO201312762

**Abstract**

(WO201312762)

The present invention provides a **cargo** container that is light weight, strong, which forms an ultra violet light, weather / dust particle barrier and which controls the climate inside the **cargo** container to protect the integrity of the **cargo**.

Inventors

IMBRECHT RICK D

SEAGLE VANCE L

Latest standardized assignees - inventors removed

AIRDEX INT

Application dates

2012-07-15

2012-07-15

2012-07-15

2012-07-15

2012-07-15

Publication dates

2013-01-17

2013-01-17

2013-01-17

2013-01-17

modulation. Another apparatus includes a radio frequency tag that transmits both identification data and location data using hybrid spread-spectrum modulation.

Inventors

HANSON GREGORY RICHARD

SMITH STEPHEN FULTON

MOORE MICHAEL ROY

DOBSON ERIC LESLEY

BLAIR JEFFREY SCOTT

DUNCAN CHRISTOPHER ALLEN

LENARDUZZI ROBERTO

Latest standardized assignees - inventors removed

UT BATTELLE

Application dates

2005-05-06

2005-05-06

2005-05-06

2005-05-06

2005-05-06

2005-05-06

2005-05-06

2005-05-06

2006-12-06

2008-10-28

Publication dates

2006-07-27

2006-08-10

2006-08-10

2006-08-10

2006-11-23

2007-01-17

2007-03-01

2007-03-27

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2007-09-25

2008-02-14

2008-12-10

2009-02-26

2012-05-15

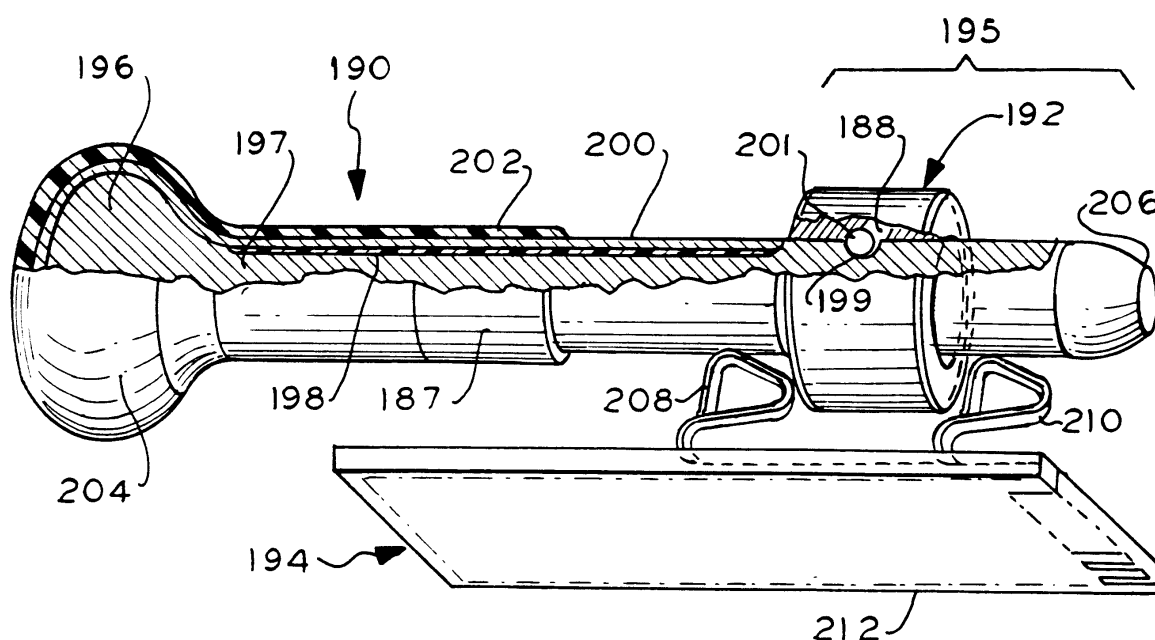
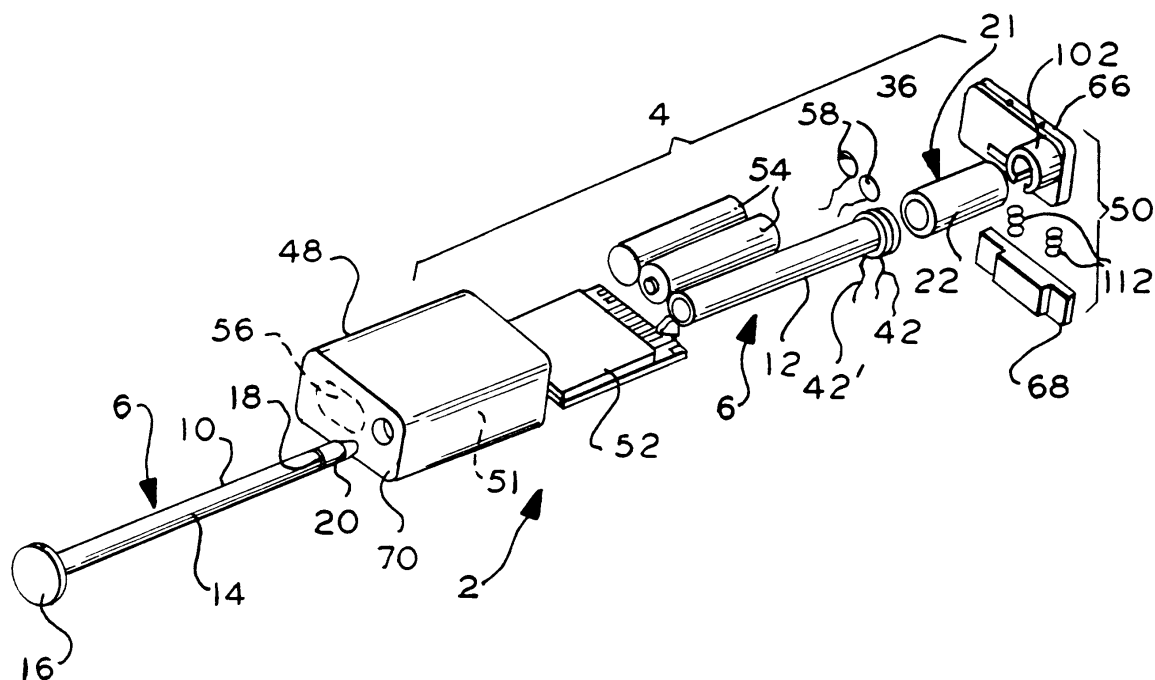
Family 20/25 - FAMPAT - ©Questel

Title

(EP1171330)

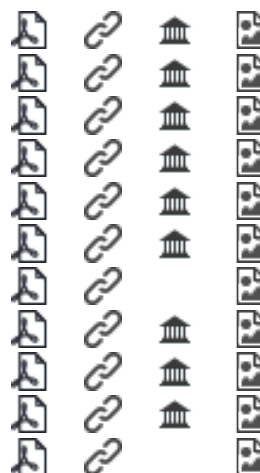
Electronic security seal

Images



Publication data including kind & date

WO200063052	A1	2000-10-26	WO200063052
AU4229800	A	2000-11-02	AU200042298
US6265973	B1	2001-07-24	US6265973
EP1171330	A1	2002-01-16	EP1171330
CN1347374	A	2002-05-01	CN1347374
EP1171330	B1	2004-06-23	EP1171330
AT269804	T	2004-07-15	ATE269804
DE60011759	D1	2004-07-29	DE60011759
CN1160211	C	2004-08-04	CN1160211C
DK1171330	T3	2004-11-01	DK1171330T
HK1039921	A1	2005-02-18	HK1039921



Abstract

(EP1171330)

A molded transparent thermoplastic housing has a programmable transmitting circuit for transmitting seal identifying serial number, seal location, container identification and other data to a local receiver. A door in the housing permits access to the

circuit for programming the seal indicia and related data for transmission. A contact arrangement forms a switch upon insertion of a locking bolt into a locking mechanism in the housing and applies battery power through the bolt to activate the data generating circuit. A conductor along the bolt shank is connected to the circuit provides a tamper evident signal to the circuit when the bolt is severed. The circuit senses the removal of the bolt or severed bolt condition for generating a "tamper" signal which is transmitted to a local receiver/reader. The conductor at the bolt may be a wire in a plastic tube surrounding the shank, a conductive layer over an insulation layer on the shank and over the conductive bolt head in ohmic contact with the head or a wire in a hollow metal tube. Severing the bolt severs the wire or the ohmic contact between the head and coating or between the head and the wire in the tube to indicate tampering. The seal periodically in random periods transmits the seal condition, whether normal or tampered. In an alternative embodiment, an interrogation unit may interrogate the seal which then transmits its locked or tampered states according to the locked or tampered condition of the bolt.

Inventors

BRAMMALL TERRENCE N

HAMILTON CRAIG

STEVENSON DAVID L

WARNER JEFFREY

GILBERT STANLEY

Latest standardized assignees - inventors removed

TRANSGUARD INDUSTRIES

E J BROOKS

TELESIS TECHNOLOGIES

TRANS GUARD INDUSTRIES

Application dates

1999-04-16

2000-04-11

2000-04-11

2000-04-11

2000-04-11

2000-04-11

2000-04-11

2000-04-11

2002-02-20

Publication dates

2000-10-26

2000-11-02

2001-07-24

2002-01-16

2002-05-01

2004-06-23

2004-07-15

2004-07-29

2004-08-04

2004-11-01

2005-02-18

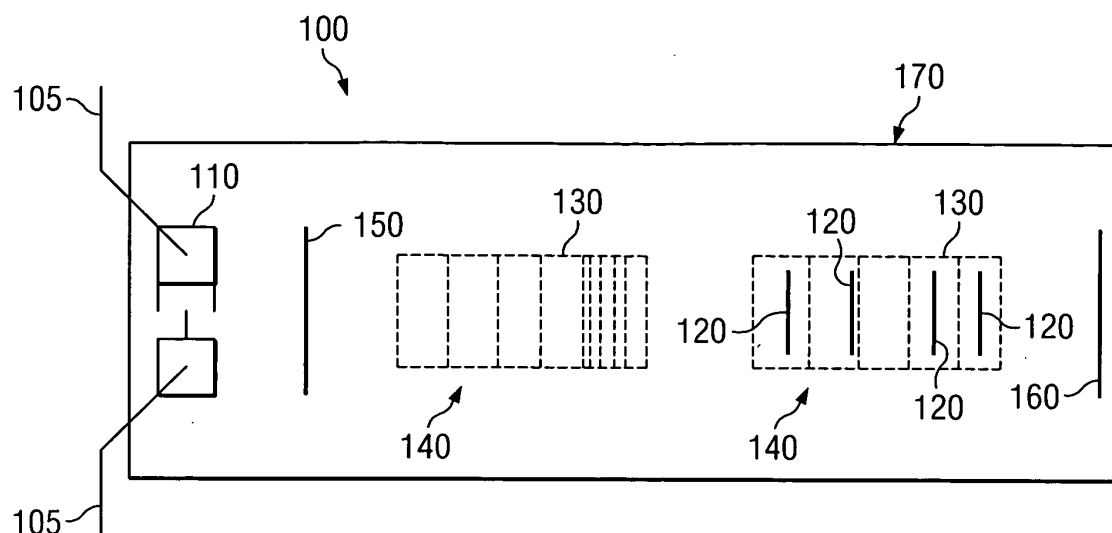
Family 21/25 - FAMPAT - ©Questel

Title

(EP1869655)

Tamper indicating saw tag system and method for using same

Images



Publication data including kind & date

WO2006101852	A2	2006-09-28	WO2006101852
US2006220855	A1	2006-10-05	US20060220855
WO2006101852	A3	2007-05-31	WO2006101852
EP1869655	A2	2007-12-26	EP1869655
KR20080014741	A	2008-02-14	KR20080014741
EA200702007	A1	2008-02-28	EA200702007
CN101189648	A	2008-05-28	CN101189648
IN7824/DELNP/2007	A	2008-07-04	IN2007DN07824
JP2008533616	A	2008-08-21	JP2008533616



Abstract

(EP1869655)

Embodiments of the invention provide a tamper indicating system using surface acoustical wave tag devices. This is achieved by the use of at least two surface acoustical wave tag devices. In one embodiment, a first surface acoustical wave tag device (820) returns an identification signal in response to an interrogation and a second surface acoustical wave tag device returns an indication of tampering (840) in response to an interrogation. An antenna assembly is provided comprising conducting elements each of which are deformed to form a partial helix. One element is spiraled in an opposite direction from the other and wherein the elements are arranged opposite each other in the form of a partial double helix.

Inventors

HARTMANN CLINTON S
CLAIBORNE LEWIS T
BROWN PAUL S

Latest standardized assignees - inventors removed

RF SAW

Application dates

2005-03-18
2006-03-14
2006-03-14
2006-03-14
2006-03-14
2006-03-14
2007-10-10
2007-10-17

Publication dates

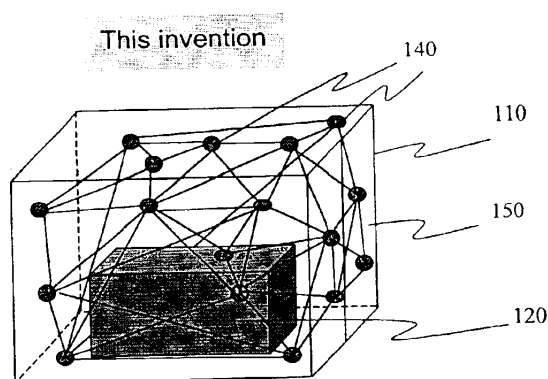
2006-09-28
 2006-10-05
 2007-05-31
 2007-12-26
 2008-02-14
 2008-02-28
 2008-05-28
 2008-07-04
 2008-08-21

Family 22/25 - FAMPAT - ©Questel

Title

(WO200371502)

State monitoring system and state monitoring method for object and region around the object and **cargo** container monitoring system

Images**Publication data including kind & date**

WO03071502	A1	2003-08-28	WO200371502				
US2003160701	A1	2003-08-28	US20030160701				
US2003164763	A1	2003-09-04	US20030164763				
AU2003211700	A1	2003-09-09	AU2003211700				
US6879257	B2	2005-04-12	US6879257				
JPWO2003071502	A1	2005-06-16	JP2003071502W				
CN1650334	A	2005-08-03	CN1650334				
US6954145	B2	2005-10-11	US6954145				
JP3877167	B2	2007-02-07	JP3877167				

Abstract

(WO200371502)

It is possible to detect a "motion" of an object in a general-purpose method while maintaining security. A plurality of radio communication devices (communication nodes) (211) are arranged on a wall surface of a container (201). The radio communication devices have a transmission/reception function of a predetermined intensity and constitute a communication network (210). Between each node in this communication network and all the other nodes, communication is established, thereby creating an inter-node network graph matrix. Since this matrix is affected by the space state in the container where an object to be monitored is placed, it is possible to detect even a slight change in the space. In the first working example, the number of relays in each node for performing communication between the nodes is calculated and the network graph matrix between all the nodes is created by using the number of relays as a unit.

Inventors

HISANO ATSUSHI

NAKAMURA AKIHIKO

Latest standardized assignees - inventors removed

OMRON

Application dates

2002-07-23

2002-08-27

2003-02-25

2003-02-25

2003-02-25

2003-02-25

Publication dates

2003-08-28

2003-08-28

2003-09-04

2003-09-09

2005-04-12

2005-06-16

2005-08-03

2005-10-11

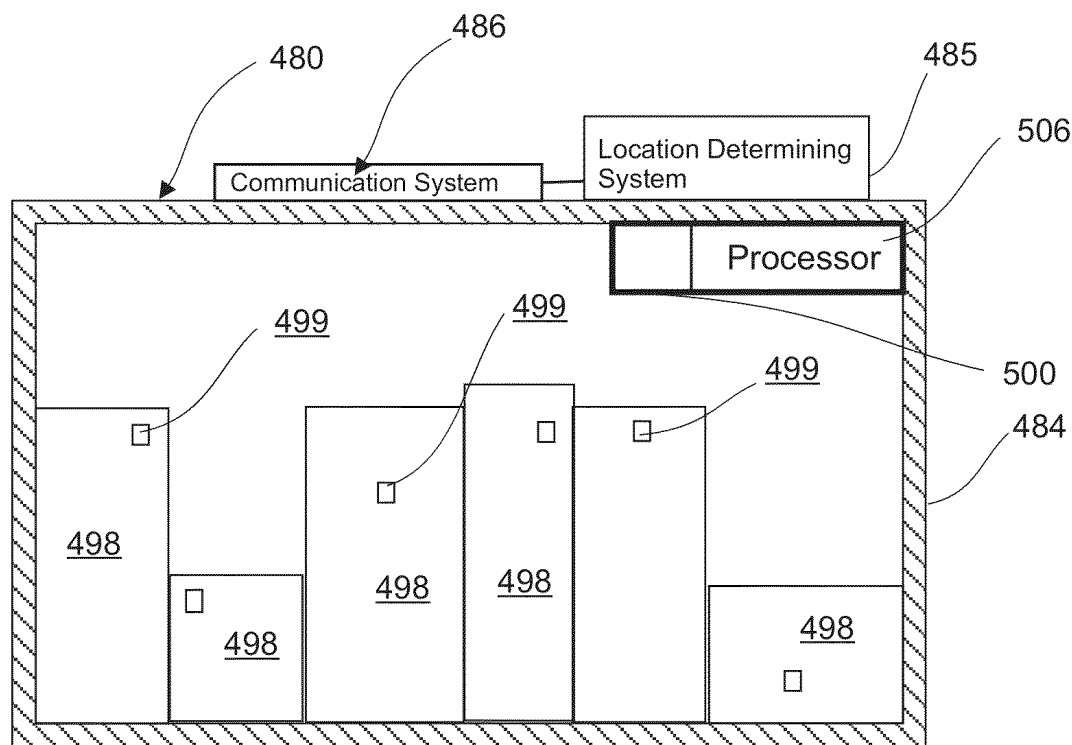
2007-02-07

Family 23/25 - FAMPAT - ©Questel

Title

(US8786437)

Cargo monitoring method and arrangement**Images**



Publication data including kind & date

[US2014067313](#)

A1 2014-03-06

US20140067313

[US8786437](#)

B2 2014-07-22

US8786437



Abstract

(US8786437)

Method and arrangement for monitoring **cargo** includes coupling an inertial measurement unit to the **cargo** such that accelerations of the **cargo** are detected by the inertial measurement unit, monitoring, using a processor, the accelerations of the **cargo** as detected by the inertial measurement unit, and generating a warning based on the monitoring of the accelerations. The warning may be generated when the detected acceleration is excessive in magnitude, duration or frequency and/or when integration of the detected acceleration is indicative of excessive velocity, angular velocity or angular displacement.

Inventors

BREED DAVID S

Latest standardized assignees - inventors removed

INTELLIGENT TECHNOLOGIES INTERNATIONAL

Application dates

2013-03-28

Publication dates

2014-03-06

2014-07-22

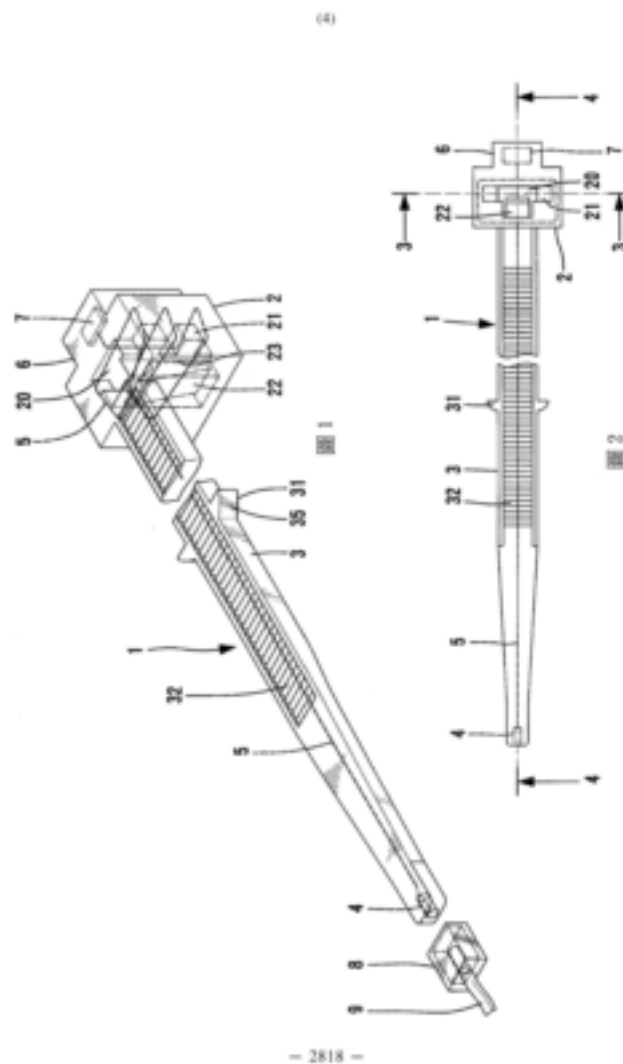
Family 24/25 - FAMPAT - ©Questel

Title

(TWI289795)

RFID electronic seal and system using the RFID electronic seal

Images



Publication data including kind & date

TW200614081	A	2006-05-01	TW200614081
TWI289795	B	2007-11-11	TWI289795



Abstract

(TWI289795)

An RFID electronic seal includes a head and a strap. A through-hole extends from a first side through a second side of the head. The strap includes an end extending from the first side of the head. A tag is embedded in the head or the strap. An antenna is embedded in at least one of the tag and the strap and extends from the tag. The strap is extendable through the through-hole of the head along a tightening direction, forming a tightening space, with an engaging member on the strap engaging with another engaging member on the head to prevent the strap from moving in an unfastening direction. The electronic seal can be used with a **cargo** or goods carrier, a reader, a monitoring station, and a transmitter to provide a real time tracking system in which data from the tag to the reader via the antenna is transmitted by the transmitter to the monitoring station.

Inventors

SHIEH YENG-BAO

SHIH SUNG-TSUN

Latest standardized assignees - inventors removed

SHI SONGCUN

XIE YONGBAO

Application dates

2004-10-19

Publication dates

2006-05-01

2007-11-11

Family 25/25 - FAMPAT - ©Questel

Title

(EP1949346)

Electronic tamper evident seal

Images

CN101375322	A	2009-02-25	CN101375322
US7616116	B2	2009-11-10	US7616116
CA2622585	C	2011-01-04	CA2622585
MY156753	A	2016-03-31	MY-156753
EP1949346	B1	2016-04-13	EP1949346



Abstract

(EP1949346)

Disclosed is a reusable locking unit and a one time use electrically conductive molded thermoplastic shackle loaded with carbon black particles and having a linear resistance that is periodically monitored. The locking unit includes an integrated circuit for measuring shackle impedance through terminals capacitively coupled to the shackle. The terminals allow for adjustment of the length of the seal shackle in the locked secured state. The terminals and shackle form an RC network having a complex impedance that manifests the locked adjusted shackle length. Two AC signals at two different frequencies are used to measure impedance, which is compared with an initially determined or continually generated reference impedance to determine a tampered state of the shackle. Temperature compensation is also disclosed. A time stamp is stored for noting the tampering time of occurrence. A battery may be used to operate the circuit internal components and power from the remote transceiver may operate the circuit communication portion. Monitoring may be automatically periodic or activated only upon an external command. LEDs provide visual indication of the seal tam er status.

Inventors

EHRENSVARD JAKOB

EINBERG FREDRIK

DEBRODY ROBERT F

DREISBACH RICHARD

LUNDBERG GEORGE

Latest standardized assignees - inventors removed

E J BROOKS

Application dates

2006-11-13

2006-11-13

2006-11-13

2006-11-13

2006-11-13

2006-11-13

2008-02-18

Publication dates

2007-05-24

2007-05-24

2007-05-31

2008-03-25

2008-07-30

2009-02-25

2009-11-10

2011-01-04

2016-03-31

2016-04-13