



New connection on: : 28-04-2018 : 04:03:12 - Last disconnection on: : 28-04-2018 : 02:46:01

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 38] ..clr

Unknown command or preparation. [More info](#) *ERROR(-104000)*

[SS 38] ..er

[SS 37] ..er all

[SS 1] ..er

No Search Statement exists for this database. Perform first a query. *ERROR(-100813)*

[SS 1] camera and scan+ and inventory and pallet

Results in EPODOC 0

[SS 2] camera and scanner and wifi

Results in EPODOC 25

[SS 3] 2 and inventory

Results in EPODOC 0

[SS 4] inventory

Results in EPODOC 8

[SS 5] rack+ and pallet

Results in EPODOC 2.771

[SS 6] 5 and camera and scanner

Results in EPODOC 1

[SS 7] 5 and scan

Results in EPODOC 1

[SS 8] 5 and camera

Results in EPODOC 16

[SS 9] ..v

[EPODOC: SS 9] rack+ or pallet

Results in EPODOC 566.691

[SS 10] 9 and camera

Results in EPODOC 4.584

[SS 11] 10 ans scanner

Results in EPODOC 0

EPODOC: term '10 ANS SCANNER' not found in index 'BI'. WARNING(1)

[SS 12] 10 and scanner

Results in EPODOC 41

[SS 13] 12 ans rail

Results in EPODOC 0

EPODOC: term '12 ANS RAIL' not found in index 'BI'. WARNING(1)

[SS 14] 12 and rail

Results in EPODOC 2

[SS 15] 12

Results in EPODOC 41

[SS 16] ..v

[EPODOC: SS 16] 12 and battery

Results in EPODOC 0

[SS 17] 10 and battery

Results in EPODOC 159

[SS 18] 10 and wifi

Results in EPODOC 16

[SS 19] ..v

[EPODOC: SS 19] 17 and wifi

Results in EPODOC 3

[SS 20] ..v

[EPODOC: SS 20] Inventory

Results in EPODOC 22.063

[SS 21] 20 and camera and scanner

Results in EPODOC 17

[SS 22] ..v

[EPODOC: SS 22] ..li



PN - [US2018068264](#) A1 20180308
PR - US201715812387
20171114; GB20150008122
20150513; US201615153486
20160512
AP - US201715812387 20171114
DT - **
CCI - [G06F1/163](#) ; [G06Q10/087](#) ;
[G06K7/10881](#) ;
[G06K7/10891](#) ; [G06K17/0022](#)
CUI - [G07G1/0045](#)
CQI - [G06K7/10732](#) ; [G06K7/1447](#) ;
[G06K19/06028](#)
CCA - [G06K2007/10534](#) ;
[G06K2017/0051](#)
PA - ASDA STORES LTD [GB]
TI - BARCODE **SCANNER** DEVICE
AND **INVENTORY**
MANAGEMENT SYSTEM
AB - A barcode **scanner** device 200
is formed as a wrist watch
with a main body 210 and
strap 220 and includes
a **camera** 211 to capture an
image of a barcode 11.
The **scanner** 200 generates
an **inventory** request message
sent by a communication
interface 215 to a local server
30 based on the captured
barcode. In a capture mode,
live **camera** images may be
displayed on touch-screen
display 212 while capturing
the barcode with guides and
feedback for the user. In a
display mode, **inventory** data
from database 32 may be
accessed in a large data field
on the touch screen display
212.

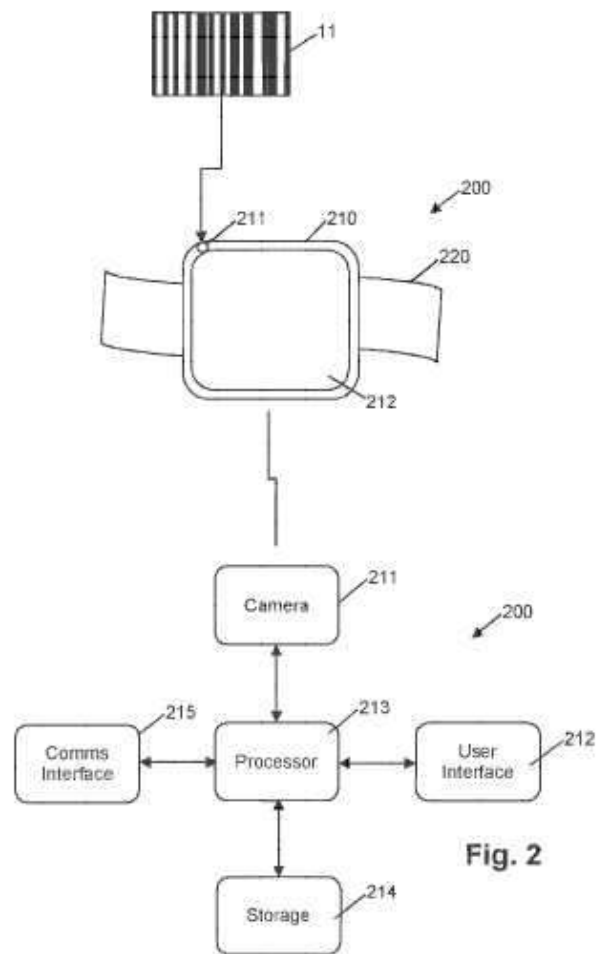


Fig. 2

2/17 © EPODOC / EPO

PN - [KR20170094103](#) A 20170817
PR - KR20170095766 20170728
AP - KR20170095766 20170728
DT - I
CNOI - [B25J9/1664](#) ; [B25J11/00](#) ; [B25J19/022](#) ; [B25J19/023](#) ; [G01B11/24](#) ; [G01F22/00](#) ;
[G06Q10/087](#) ; [G06K19/06028](#) ; [G06T7/62](#)

- PA - RHO IN CHUL [KR]
- TI - 3D Cargo **inventory** survey method using autonomous mobile robot and 3D laser **scanner**
- AB - The present invention relates to a method for automatically checking an **inventory** of a cargo in a pallet rack of a warehouse by using an autonomous robot and a three-dimensional (3D) laser **scanner**, wherein the autonomous robot automatically moves a predetermined route, is accurately positioned at a predetermined position of each rack for an accurate **inventory**, stops to recognize a bar code by using an image photographed by a **camera**, and measures the shape, width, length, and height of the cargo remaining on each rack by using a 3D laser **scanner** to calculate volume of the cargo so as to automatically calculate the **inventory** of the cargo remaining on each rack. To this end, according to the present invention, the autonomous robot moves along the predetermined route, and is equipped with a height-adjustable pillar for performing an **inventory** at a predetermined rack. Also, the **camera** and the 3D laser **scanner** are mounted thereon to allow the **camera** to recognize the bar code of each rack where the cargo is loaded so as to obtain information on a category of the cargo, the quantity of cargo boxes at the time of initial loading, and a warehousing date. Furthermore, the 3D laser **scanner** calculates the volume, width, length, and height of the remaining cargo to recognize the quantity of delivered cargo boxes so as to automatically calculate the **inventory** of cargo boxes remaining on each rack.

3/17 © EPODOC / EPO

- PN - [US2017213184](#) A1 20170727
- PR - US201615005891 20160125
- AP - US201615005891 20160125
- DT - *; Rep
- CCI - [G06Q10/087](#) ; [G06Q10/1093](#) ; [G06K7/10722](#) ; [G06K7/1443](#) ; [G06K9/00671](#) ; [G06K9/22](#) ; [G06K9/6253](#)
- CUI - [H04N7/18](#)
- CCA - [G06K2209/17](#)
- CUA - [G06T2207/30128](#)
- PA - LEE SUN KYONG [US]; LEE YOUN JA [US]
- TI - Food **Inventory** System and Method
- AB - A food **inventory** system, including a portable device which may include a bar code **scanner** and **camera** to add and remove **inventory** items to and from the **inventory**. The **scanner** may be mounted on an **inventory** storage container to facilitate **inventory** control from one or more domestic storage devices, including refrigerators, freezers, and pantries. The **inventory** system may display a table listing the **inventory** items along with variable details. Based on the food **inventory** list, the **inventory** system may suggest recipes, display the ingredients in stock for suggested recipes, and create a shopping list of the ingredients not in stock for a desired recipe. The portable device may be configured with wireless capability, connection to the internet, phones, tablets, laptops, and personal computer.

4/17 © EPODOC / EPO

PN - [US2017030997](#) A1 20170202

PR - US201615291304
20161012; US201414568468
20141212; US201361915647P
20131213

AP - US201615291304 20161012

DT - **

CT - || R141 (A1)
[US2016371574](#) A1 20161222
[] (NGUYEN HIEN [US], et al);
[US2013036043](#) A1 20130207
[] (FAITH PATRICK [US]);
[US2014300516](#) A1 20141009
[] (MIN GUOHUA [US], et al);
[US2016256100](#) A1 20160908
[] (JACOFKY MARC C [US], et al);
[US2011187600](#) A1 20110804
[] (LANDT JEREMY A [US])

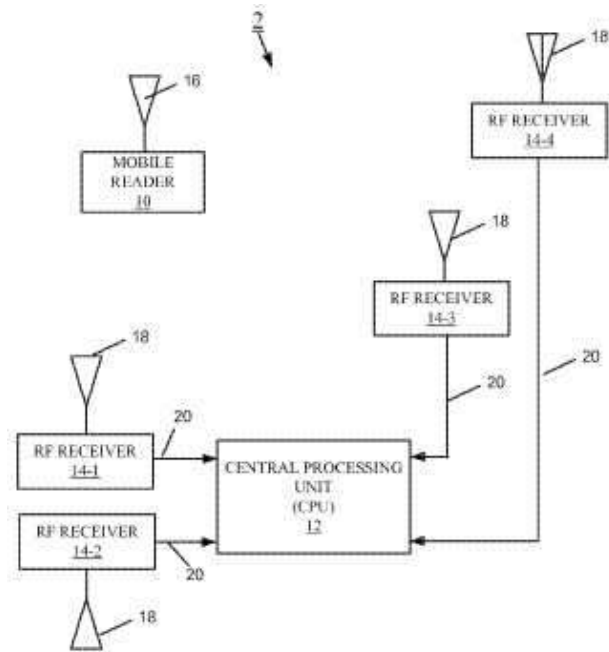
CCI - [G01S5/06](#) ; [H04W4/02](#) ;
[G06Q30/0639](#) ; [H04W4/80](#)

CUI - [G01S5/0221](#) ; [G01S5/0268](#) ;
[G01S5/0294](#) ; [G08B13/2462](#)

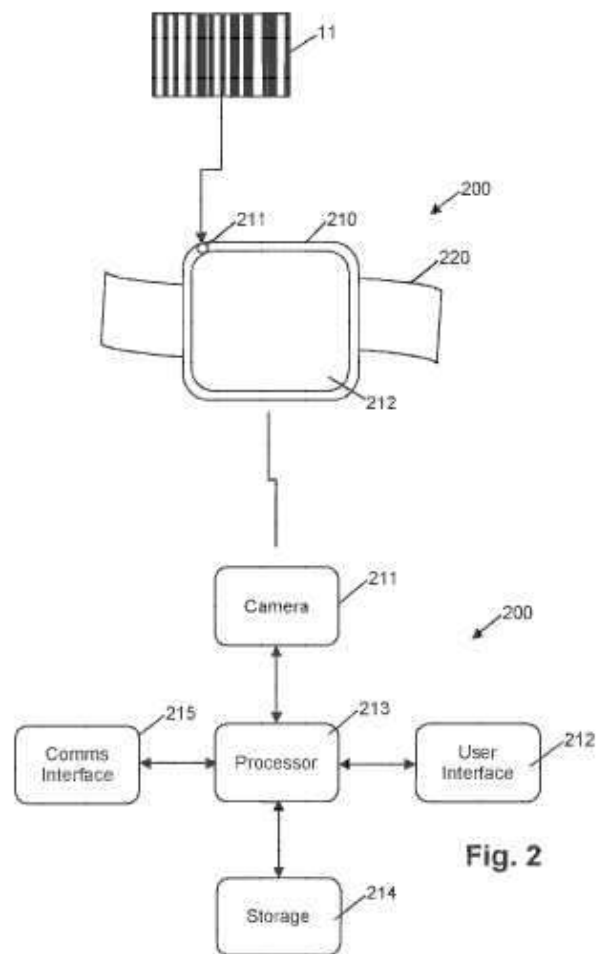
PA - POSITION IMAGING INC [US]

TI - TRACKING SYSTEM WITH
MOBILE READER

AB - A tracking system uses a mobile reader or **scanner** that scans, for example through a barcode reader, a passive tag reader, a probe, input, **camera**, or an active RF tag communication reader, and records item (asset or **inventory**) data. After being recorded, this item data and other relevant data is sent by radio transmission to a receiver network in the tracking system. The receiver network has at least two receivers (or at least two receiver antennae). The **scanner** location data, calculated by comparing the signal information at each receiver antenna receiving the radio transmission, is then used to register and record the location data of the scanned item.



- PN - [US2016371633](#) A1 20161222
- PNFP - US9846857 B2 20171219
- PR - GB20150008122 20150513
- AP - US201615153486 20160512
- DT - **
- CT - || R141 (A1)
[US6343276](#) B1 20020129 [] (BARNETT SHARON B [US]);
[US2004251307](#) A1 20041216 [] (SCHMIDT MARK [US], et al);
[US2011314038](#) A1 20111222 [] (PACELLA DANTE J [US]);
[US8674810](#) B2 20140318 [] (UYSAL DILEK DAGDELEN [US], et al);
[US2014249944](#) A1 20140904 [] (HICKS BRUCE J [US], et al);
[US2015015502](#) A1 20150115 [] (AL-NASSER KHALID [SA]);
[US2015229750](#) A1 20150813 [] (ZHOU ANDREW H B [US], et al);
[US2015288682](#) A1 20151008 [] (BISROEV PETER [US], et al);
[US2016283765](#) A1 20160929 [] (SANDTNER KLAUS [AT]);
[US2016267310](#) A1 20160915 [] (ALNASSER KHALID A [US], et al)
 - || STSE (B2)
[US6343276](#) B1 20020129 [] (BARNETT SHARON B [US]);
[US8674810](#) B2 20140318 [] (UYSAL DILEK DAGDELEN [US], et al);
[US2004251307](#) A1 20041216 [] (SCHMIDT MARK [US], et al);
[US2011314038](#) A1 20111222 [] (PACELLA DANTE J [US]);
[US2014249944](#) A1 20140904 [] (HICKS BRUCE J [US], et al);
[US2015015502](#) A1 20150115 [] (AL-NASSER KHALID [SA]);
[US2015229750](#) A1 20150813 [] (ZHOU ANDREW H B [US], et al);
[US2015288682](#) A1 20151008 [] (BISROEV PETER [US], et al);
[US2016267310](#) A1 20160915 [] (ALNASSER KHALID A [US],



	et al); US2016283765 A1 20160929 [] (SANDTNER KLAUS [AT])
CCI	- G06F1/163 ; G06Q10/087 ; G06K7/10881 ; G06K7/10891 ; G06K17/0022
CUI	- G07G1/0045
CQI	- G06K7/10732 ; G06K7/1447 ; G06K19/06028
CCA	- G06K2007/10534 ; G06K2017/0051
PA	- (A1 B2) ASDA STORES LTD [GB]
TI	- (A1) BARCODE SCANNER DEVICE AND INVENTORY MANAGEMENT SYSTEM - (B2) Barcode scanner device and inventory management system
AB	- (A1 B2) A barcode scanner device 200 is formed as a wrist watch with a main body 210 and strap 220 and includes a camera 211 to capture an image of a barcode 11. The scanner 200 generates an inventory request message sent by a communication interface 215 to a local server 30 based on the captured barcode. In a capture mode, live camera images may be displayed on touch-screen display 212 while capturing the barcode with guides and feedback for the user. In a display mode, inventory data from database 32 may be accessed in a large data field on the touch screen display 212.

6/17 © EPODOC / EPO

PN	- CN205375557U U 20160706
PR	- CN201521045315U 20151216
AP	- CN201521045315U 20151216
DT	- I

PA - CHONGQING CENTRE BPO CO LTD

TI - Call Center device management system

AB - The utility model discloses a call Center device management system to the management that makes call Center equipment go out to put in storage is more clear rigorous. Host computer and a plurality of the next machine including the looks internet access, the next machine is located respectively in a plurality of call Center warehouses, the next machine is connected with the flat scanning appearance that is used for scanning the paper **inventory**, a label **scanner** and goods shelves **camera** for the last label of scanning apparatus, a plurality of goods shelves cameras are installed at the warehouse goods shelves, a condition of placing for observing equipment on the goods shelves, be connected with the printer that is used for printing the **inventory** on the host computer, the host computer still be connected with can be used to to show the photographic map of goods shelves **camera** like display device. Equipment information in the corresponding warehouse of the next machine of inquiry also can be concentrated to the host computer of distal end, real - time inquiry can be carried out through this system to the change of goods and materials, standard and the device management ability that has improved call Center.

7/17 © EPODOC / EPO

PN - [CN204614112U](#) U 20150902

PR - CN20152285118U 20150430

AP - CN20152285118U 20150430

DT - I

PA - BEIJING GUOXINSHIWEI COMM TECHNOLOGY CO LTD

TI - Multi-service terminal equipment that handles official business with no paper at all

AB - The utility model discloses a multi-service terminal equipment that handles official business with no paper at all, including the main control unit, SIM reading and writing unit, wireless network unit, ID card recognition cell, bill printing unit, certificate shoot unit, peripheral hardware interface unit and display the action unit, the certificate is shot unit, bill printing unit, ID card recognition cell and SIM reading and writing unit and is all connected the main control unit's input, the utility model discloses a ID card **scanner** and **camera** acquire customer information, through bank card reading device or the network payment operation of collecting fee, read and write SIM card information through SIM card read/write devices, print the **inventory** and rely on the strip through the printer, synthesize the realizability that foretell combined action had guaranteed that the SIM card operated by oneself to no longer need the staff one to one carry out the business handling, improved work efficiency greatly, adopt the wireless network transmission simultaneously, therefore its commonality is higher.

8/17 © EPODOC / EPO

PN - [CN204614090U](#) U 20150902

PR - CN20152296119U 20150430

AP - CN20152296119U 20150430

DT - I

PA - BEIJING GUOXINSHIWEI COMM TECHNOLOGY CO LTD

TI - Multi-functional peripheral

AB - The utility model discloses a multi-functional peripheral, including the main control

unit, SIM reading and writing unit, ID card recognition cell, bill printing unit, certificate shoot unit and peripheral hardware interface unit, the certificate is shot unit, bill printing unit, ID card recognition cell and SIM reading and writing unit and is all connected the main control unit's input, the utility model discloses a ID card **scanner** and **camera** acquire customer information, through bank card reading device or the network payment operation of collecting fee, read and write SIM card information through SIM card read/write devices, print the **inventory** and rely on the strip through the printer, synthesize the realizability that foretell combined action had guaranteed that the SIM card operated by oneself to no longer need the staff one to one carry out the business handling, improved work efficiency greatly, adopt wiredly simultaneously or the wireless network transmission, make and does not limit the occasion when using, the personnel of handling can remove and handle, make efficiency higher.

9/17 © EPODOC / EPO

- PN - [GB2538265](#) A 20161116
- PR - GB20150008122 20150513
- AP - GB20150008122 20150513
- DT - *
- Rep
- CT - || STSE (A)
- [EP1050793](#) A2 20001108 [] (SYMBOL TECHNOLOGIES INC [US]);
- [US5945661](#) A 19990831 [] (NUKUI MAKOTO [JP], et al);
- [US5430283](#) A 19950704 [] (TANAKA HISAKATSU [JP]);
- [US2015100445](#) A1 20150409 [] (JOHNSON BRAD M [US], et al);
- [US2014180572](#) A1 20140626 [] (ACKER JR JOEL BENNETT [US], et al)
- CCI - [G06F1/163](#) ; [G06Q10/087](#) ; [G06K7/10881](#) ; [G06K7/10891](#) ; [G06K17/0022](#)
- CUI - [G07G1/0045](#)
- CQI - [G06K7/10732](#) ; [G06K7/1447](#) ; [G06K19/06028](#)
- CNOI - [G06F1/163](#) ; [G06Q10/087](#) ; [G07G1/0045](#) ; [G06K7/10891](#)
- CCA - [G06K2007/10534](#) ; [G06K2017/0051](#)
- CNOA - [G06K2007/10534](#)
- PA - ASDA STORES LTD [GB]
- TI - Barcode **scanner** device and **inventory** management system
- AB - A barcode **scanner** device, 200, with a main body, 210,

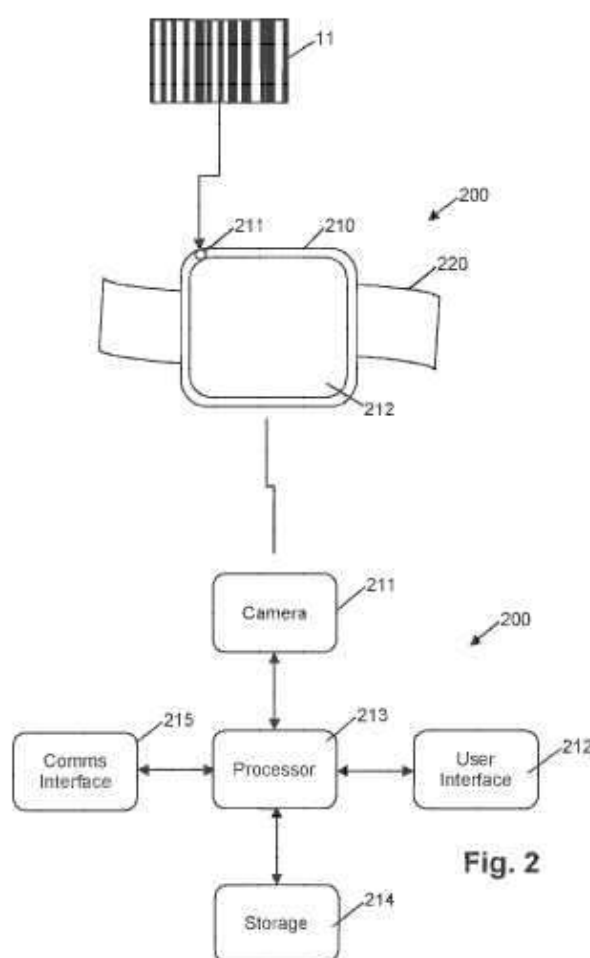


Fig. 2

includes a **camera**, 211, to capture an image of a barcode, 11. The **scanner**, 200, sends an **inventory** request message (based on the payload of the barcode) via a communication interface, 215, to a local server. In response, **inventory** data is received. The **scanner** is secured to the wrist of a user by a strap, 220. The **scanner** is to be used for **inventory** management and communicates wirelessly with a server. The server contains **inventory** data related to a plurality of products. The barcode reader has a touch-screen display, 212. The **scanner** may be formed as a wrist watch. The scanners display may provide live **camera** images to aid orientation of the **scanner** by the user. The **inventory** data may be accessed in a large data field on the touch screen display, 212.

10/17 © EPODOC / EPO

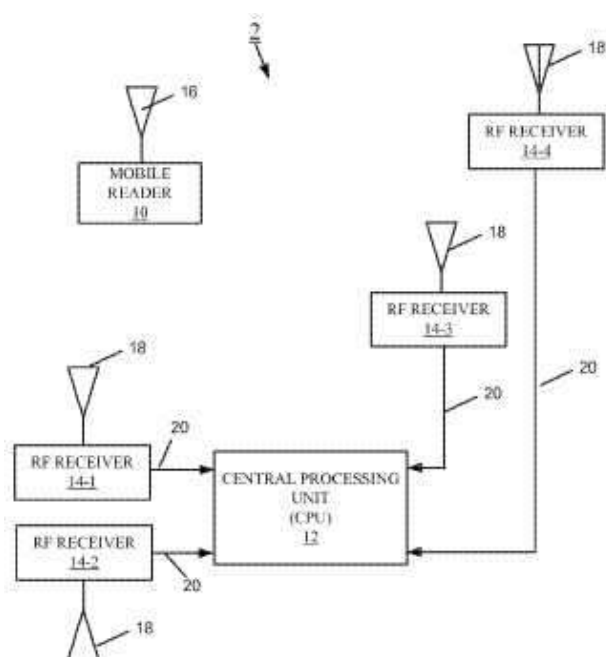
PN - [US2015169916](#) A1 20150618

PR - US201414568468
20141212; US201361915647P
20131213

AP - US201414568468 20141212

DT - *; Rep

CT - || R141 (A1)
[US2006013070](#) A1 20060119
[] (HOLM SVERRE [NO], et al);
[US2011006774](#) A1 20110113
[] (BAIDEN GREG [CA]);
[US2013036043](#) A1 20130207
[] (FAITH PATRICK [US]);
[US2014300516](#) A1 20141009
[] (MIN GUOHUA [US], et al);
[US2016256100](#) A1 20160908
[] (JACOFKY MARC C [US], et al);
[US2004203846](#) A1 20041014
[] (CARONNI GERMANO [US], et al);



	US2016142868 A1 20160519 [] (KULKARNIRAGHAVENDRA [US], et al); US2007138270 A1 20070621 [] (REBLIN GARY C [US]); US2012013509 A1 20120119 [] (WISHERD DAVID S [US], et al)
CCI	- G01S5/06 ; H04W4/02 ; G06Q30/0639 ; H04W4/80
CUI	- G01S5/0221 ; G01S5/0268 ; G01S5/0294 ; G08B13/2462
PA	- POSITION IMAGING INC [US]
TI	- TRACKING SYSTEM WITH MOBILE READER
AB	- A tracking system uses a mobile reader or scanner that scans, for example through a barcode reader, a passive tag reader, a probe, input, camera, or an active RF tag communication reader, and records item (asset or inventory) data. After being recorded, this item data and other relevant data is sent by radio transmission to a receiver network in the tracking system. The receiver network has at least two receivers (or at least two receiver antennae). The scanner location data, calculated by comparing the signal information at each receiver antenna receiving the radio transmission, is then used to register and record the location data of the scanned item.

PN - [US2015029339](#) A1 20150129

PNFP - US9473747 B2 20161018

PR - US201313950437 20130725

AP - US201313950437 20130725

DT - *; Rep

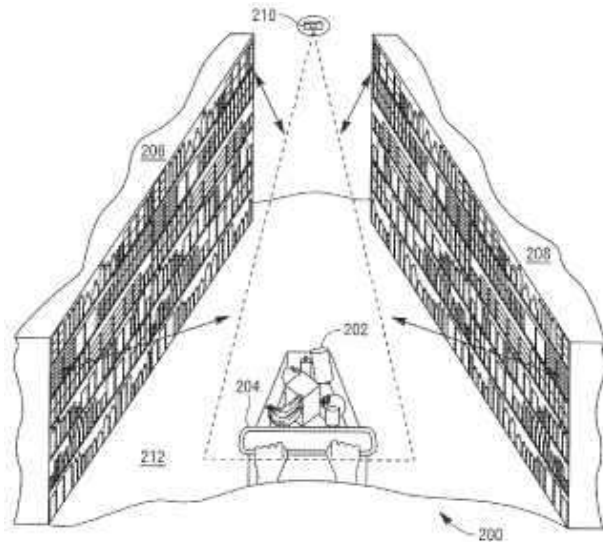
CT - || R141 (A1)
[US2008011836](#) A1 20080117
 [] (ADEMA ROGER LEE [US], et al);
[US2012284132](#) A1 20121108
 [] (KIM UNIYOUNG [KR], et al);
[US2006032915](#) A1 20060216
 [] (SCHWARTZ ROBYN [US]);
[US2011102588](#) A1 20110505
 [] (TRUNDLE STEPHEN SCOTT [US], et al)
 - || STSE (B2)
[US2006032915](#) A1 20060216
 [] (SCHWARTZ ROBYN [US]);
[US2008011836](#) A1 20080117
 [] (ADEMA ROGER LEE [US], et al);
[US2011102588](#) A1 20110505
 [] (TRUNDLE STEPHEN SCOTT [US], et al);
[US2012284132](#) A1 20121108
 [] (KIM UNIYOUNG [KR], et al)

CCI - [G06Q30/00](#) ; [H04N7/181](#)

PA - (A1 B2)
 KOBRES ERICK CHRISTIAN [US];
 SANDLER LYLE [US]; NCR CORP [US]

TI - (A1)
 Whole Store **Scanner**
 - (B2)
 Whole store **scanner**

AB - (A1 B2)
 Video monitoring and tracking techniques are addressed to allow consumers to purchase items in a store with no need to checkout at a traditional checkout lane. A large number of cart check and shelf check cameras monitor additions to carts and removals from shelves along with knowledge of location and what is on a particular shelf are employed to analyze which products are



selected for purchase.
Customer analytic data, as
well as, store **inventory** data
are preferably also developed
from the **camera** image data.

12/17 © EPODOC / EPO

- PN - [CN103129853](#) A 20130605
- PR - CN2013153716 20130219
- AP - CN2013153716 20130219
- DT - I
- CTNP - || STSE (A)
[Y] - 张登贵, "南充电业局电能表库智能管理系统", 《中国优秀硕士学位论文全文数据库信息科技辑》, [Y] 1-5
* 第5-56页 *
- PA - STATE GRID CORP CHINA; FUJIAN ELECTRIC POWER SUPPLY CO ELECTRIC POWER RES INST; FUJIAN WANGNENG TECHNOLOGY DEV CO LTD
- TI - Intelligent temporary storage cabinet for electric energy meter
- AB - The invention discloses an intelligent temporary storage cabinet for an electric energy meter. The intelligent temporary storage cabinet comprises an industrial control host machine, a liquid crystal display (LCD) displayer, a touch screen, a bar-code **scanner**, a constant temperature device, a constant humidity device, an entrance guard lock, a voice intelligent player, a 3rd generation telecommunication (3G) router and a **camera** shooting monitoring device. The intelligent temporary storage cabinet is characterized in that the industrial control host machine is connected with the LCD displayer, the touch screen, the bar-code **scanner**, the constant temperature device, the constant humidity device, a travel switch, a light-emitting diode (LED) signal lamp, the entrance guard lock, the voice intelligent player and the 3G router. An electric energy meter intelligent temporary storage cabinet control software system operates in the intelligent temporary storage cabinet, the problem of electric power unit meter **inventory** can be solved, meter warehousing, meter warehousing-out, real-time temperature and humidity monitoring of the storage cabinet, picture recording monitoring of the storage cabinet and other functions are achieved, and standardized and normalized warehousing management is achieved through interaction of the intelligent temporary storage cabinet and an SG186 electricity marketing application system. Functions of providing first-entering and first-outgoing management control, performing constant temperature and constant humidity monitoring according different types of electric meters and performing real-time tracking to electric meter field installation conditions are achieved.

13/17 © EPODOC / EPO

- PN - [CN202244984U](#) U 20120530
- PR - CN20112295046U 20110815
- AP - CN20112295046U 20110815
- DT - I
- PA - HEBEI PROVINCE TOBACCO COMPANY CANGZHOU CO LTD
- TI - **Inventory** making system of three-dimensional warehouse
- AB - The utility model discloses an **inventory** making system of a three-dimensional

warehouse, which comprises a cargo carrying table of a stacker and a control table. A first **camera** and a second **camera** are respectively arranged in a position between left and right beams above the cargo carrying table of the stacker. A first barcode **scanner** and a second barcode **scanner** are respectively arranged on slopes of lower parts of left and right sides of a front bracket below the cargo carrying table of the stacker. The first **camera**, the second **camera**, the first barcode **scanner** and the second barcode **scanner** are respectively connected with the control table.

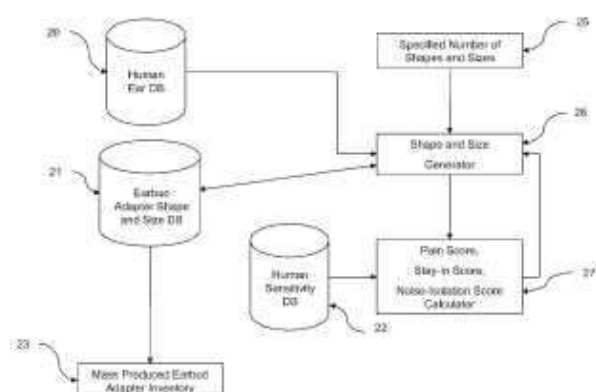
The **inventory** making system has the advantages that (1) the stacker moves slowly to scan cargo information on a storage rack, so as to have high checking efficiency; (2) account information corresponds to cargo information in real time during cargo checking process, so as to have high checking accuracy; and (3) **inventory** making is performed by barcode scanning and video assistance to monitor cigarette information in real time and find and handle unforeseen circumstances, so as to eliminate major potential accidents.

14/17 © EPODOC / EPO

- PN - [CN202221589U](#) U 20120516
- PR - CN20112334342U 20110907
- AP - CN20112334342U 20110907
- DT - I
- PA - SHANXITAIGANGSTAINLESSSTEEL
- TI - Electrical equipment storeroom positioning management system
- AB - An electrical equipment storeroom positioning management system belongs to the storeroom management field and is composed of a bar code **scanner**, a **camera**, an entrance guard controller, a computer and a printer; wherein, the bar code **scanner**, the entrance guard controller, the **camera** and the printer are connected with the computer. By using the electrical equipment storeroom positioning management system of the utility model, the storeroom, shelf and layer positions at which an article is placed can be known rapidly, at the same time, the article information, such as **inventory**, storage time, order time, on-line usage amount, safe storage amount, supplier, spare part usage frequency, etc., can be displayed clearly, being convenient and rapid.

15/17 © EPODOC / EPO

- PN - [US2010296664](#) A1 20101125
- PNFP - US9706282 B2 20170711
- PR - US20100710903
20100223; US20090154502P
20090223
- AP - US20100710903 20100223
- DT - *; Rep
- CT - || R141 (A1)
[US2003171996](#) A1 20030911
[] (CHEN ANDY [US], et al);
[US2004107080](#) A1 20040603
[] (DEICHMANN NIKOLAJ [DK],
et al);
[US2005088435](#) A1 20050428
[] (GENG Z JASON [US]);
[US2005089213](#) A1 20050428



[] (GENG Z J [US]);
[US2008152182](#) A1 20080626
 [] (BEVIRT JOEBEN [US], et al);
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CCI - [A61F11/08](#) ; [G06Q50/22](#) ;
[H04R1/1016](#)

CCA - [H04R1/1058](#) ; [H04R1/1083](#)

PA - (A1)
VERTO MEDICAL SOLUTIONS
LLC [US]
- (B2)
BURGETT SETH D [US]; DANIELS
RICHARD J [US]; WETLE
MICHAEL D [US]; FISHBAINE
DAVID [US]; HARMAN INT IND
[US]

TI - (A1)
EARPIECE SYSTEM
- (B2)
Earpiece system

AB - (A1)
A system and method for
providing earpieces includes
an **inventory** of earpieces

having a plurality of parameters and a device for making a non-contact ear measurement. An earpiece is selected from the **inventory** based on the non-contact measurement.

- (B2)

A system and method for providing earpieces for a user includes an **inventory** of standard earpieces having a plurality of different parameters, and a device for making a non-contact measurement of the user's ear, such as a **camera** or **scanner**. An ear-piece is selected from the **inventory** based on the non-contact measurement of the user's ear.

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PR - US19980158735 19980922

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CCI - [H04N1/0285](#) ; [G01N21/8806](#) ; [H04N1/02815](#) ; [H04N1/0286](#) ; [H04N1/02865](#) ; [H04N1/02895](#)

TI - Low cost color-programmable focusing ring light

AB - Provided herein are devices and methods of illuminating an object. The devices may include a housing having an inner reflective surface, an illumination source, disposed in a ring on the inner reflective surface of the housing, a fresnel lens disposed on the housing opposite the inner reflective surface, for focusing illumination to the object, and a partially reflective reflector, disposed on the fresnel lens, for transmitting illumination to the object and for reflecting illumination to the inner reflective surface. The illumination source may be a plurality of plurality of light emitting diodes disposed in a ring about the inner reflective surface, a ring light, or other illumination source. The partially reflective reflector may be a half-silvered mirror. The devices may further include a **camera** for viewing the object, an image processor, for processing an image from the **camera**, and a processor, for storing, manipulating and retrieving data corresponding to the image. The processor may be part of a system for **inventory**, materials handling, process control, or the like, or may be part of a machine vision device, such as a matrix code reader or a hand held **scanner**. The fresnel lens may be made interchangeable, so that lenses of different focal lengths may be used for viewing objects at different distances from the device. The device may include a circuit for controlling at least one of the color and the intensity of the illumination source.

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PNFP - WO0131546 A3 20020613

PR - US19990429187 19991028

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DT - *; Rep

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CCI - [G06Q10/087](#)

PA - (A2 A3)
SUPERSALE COM [US]; TERP JOHN CHRIS [US]; TAUNTON PETER JON [US]

TI - (A2 A3)
METHOD AND APPARATUS FOR ACQUIRING AND PROVIDING **INVENTORY** DATA

AB - (A2 A3)
A portable **inventory** device comprised of an image **scanner**, a digital **camera**, a receiver configured to receive standard **inventory** item profile files, a memory arrangement coupled to the image **scanner** and the digital **camera** and configured to store data representing the standard **inventory** item profile files, and a processor coupled to the image **scanner** and the digital **camera** and the memory arrangement. The portable device performs the function of quickly and accurately gathering highly detailed **inventory** profile information on items being inventoried. The portable device gathers highly detailed **inventory** profile information by way of automatically retrieving a standard **inventory** item profile file from memory and providing the user of the portable device with an opportunity to update the **inventory** item profile file. The system further updates an **inventory** item profile file by including a digital image of the item being inventoried and storing the **inventory** item profile file along with the digital image in a web server ready format.