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15 Documents

Publication numbers	Title	Current assignees
US20160005328 A1	Methods and systems for improving hand hygiene	GOJO INDUSTRIES
EP1245016 A1	Hygiene monitoring system	HILL ROM HOLDINGS, ...
WO201264718 A2	Hand hygiene compliance monitoring system	GPCP IP HOLDINGS
WO2018196980 A1	Improved hygiene compliance monitoring	ESSITY HYGIENE & HEALTH
EP-963728 A2	Hand soap dispenser with usage related data collection and display capabilities	ECOLAB
EP1913568 A2	Hand cleanliness	BIOVIGIL
WO2018197023 A1	Hygiene compliance indicator device	ESSITY HYGIENE & HEALTH
EP3196855 A1	Hand hygiene compliance monitoring	ECOLAB
EP3153984 A1	Hand hygiene monitoring system with customizable thresholds	HILL ROM SERVICES
WO2014205283 A1	System and methods for wireless hand hygiene monitoring	CLEAN HANDS SAFE HANDS
EP2134307 A1	Hand hygiene compliance system	UNIVERSITY HEALTH NETWORK
US20130342349 A1	Systems and methods for hand hygiene compliance	EXCELION TECHNOLOGY
EP1982314 A1	A system and method for monitoring hygiene standards compliance	HYNTELX
EP2513881 A1	Hygiene compliance system and method	ITRONIK INTERCONNECT
US20160180688 A1	Hygiene device service notification	GOJO INDUSTRIES

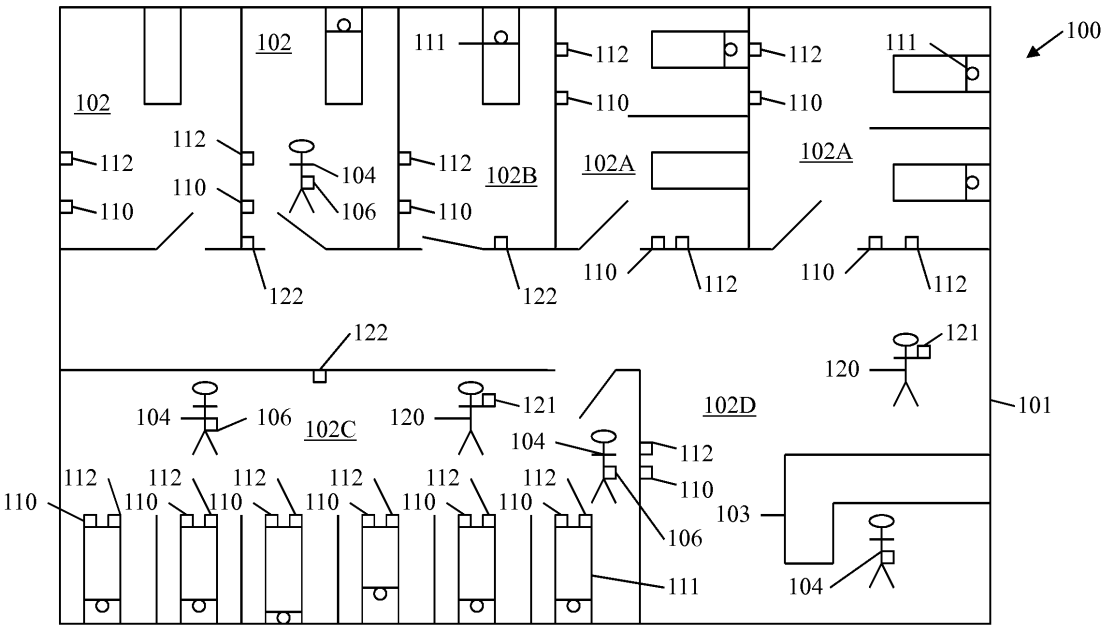
Family 1/15 - FAMPAT - ©Questel

Title

(US20160005328)

Methods and systems for improving hand hygiene

Images



Publication numbers with kind code & date

US20160005328 A1 2016-01-07 US20160005328

IPC - International classification

G08B-021/24; G09B-019/00

Abstract

(US20160005328)

Exemplary embodiments of methodologies of improving hygiene metric, methodologies of training observers, and software products for improving hygiene metrics are disclosed herein. An exemplary methodology of improving hand-hygiene includes obtaining data indicative of the number of opportunities for one or more users to obtain a dose of hand cleaner for a plurality of dispensers through an electronic monitoring system. In addition, the exemplary methodology includes obtaining data indicative of dispense events by the plurality of dispensers through the electronic monitoring system. The methodology further includes determining a metric for the one or more users as a function of the data indicative of the number of opportunities and the data indicative of dispense events and providing instructions for an observer to obtain observation data related to the one or more users as a function of the metric.

Inventors

O'TOOLE MARTIN J

MACKAY DAVID S

HALL JEFFREY W

SLATER JASON M

CROSS TAMARA M

Latest standardized assignees - inventors removed

GOJO INDUSTRIES

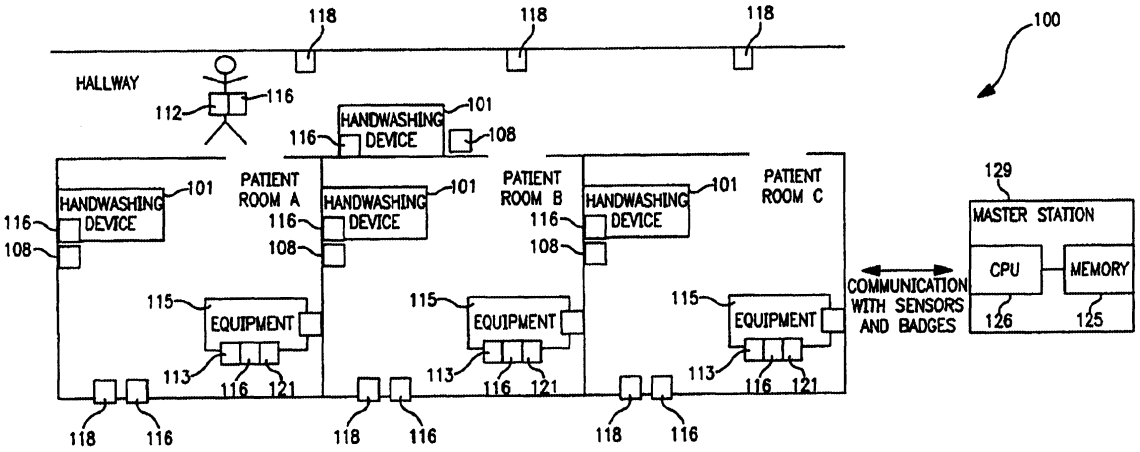
Family 2/15 - FAMPAT - ©Questel

Title

(EP1245016)

Hygiene monitoring system

Images



Publication numbers with kind code & date

US9911312	B2	2018-03-06	US9911312
US20170280949	A1	2017-10-05	US20170280949
US9715817	B2	2017-07-25	US9715817
US20160253897	A1	2016-09-01	US20160253897
US9396638	B2	2016-07-19	US9396638
US9349267	B2	2016-05-24	US9349267
US20140292518	A1	2014-10-02	US20140292518
US8773268	B2	2014-07-08	US8773268
US20140035744	A1	2014-02-06	US20140035744
US8598996	B2	2013-12-03	US8598996
US20130120142	A1	2013-05-16	US20130120142
US8368544	B2	2013-02-05	US8368544
US20110068930	A1	2011-03-24	US20110068930
US7812730	B2	2010-10-12	US7812730
US20090189759	A1	2009-07-30	US20090189759
US7408470	B2	2008-08-05	US7408470
US20060132316	A1	2006-06-22	US20060132316
US7015816	B2	2006-03-21	US7015816
US20040090333	A1	2004-05-13	US20040090333
US6727818	B1	2004-04-27	US6727818
EP1245016	A1	2002-10-02	EP1245016
AU1445301	A	2001-05-14	AU200114453
CA2388763	A1	2001-05-10	CA2388763
WO01/33529	A1	2001-05-10	WO200133529

IPC - International classification

A47K-005/12; G06F-019/00; G08B-001/00; G08B-001/08; G08B-005/36; G08B-013/14; G08B-021/00; G08B-021/02; G08B-021/24; G08B-023/00

Abstract

(EP1245016)

A hygiene monitoring system (100), which incorporate various features of the present invention, monitor location of persons (110) in a facility, location of equipment (115) in the facility, activities performed by persons (110) in the facility, activities performed by equipment (115) in the facility, and/or activities performed on equipment (115) in the facility. From such gathered information, the hygiene monitoring system (100) determines whether certain actions (e.g. washing of a person's hands (107), washing of a piece of equipment (115) need to take place in order to comply with a hygiene policy defined for

the facility. The hygiene monitoring system (100) may evaluate level of compliance with the hygiene policy, and provide persons (110) with information (e.g. alerts, reminders, etc.) which aid in increasing the level of compliance with the hygiene policy.

Inventors

WILDMAN TIMOTHY
GALLANT DENNIS J
HAUSMAN PHILL

Latest standardized assignees - inventors removed

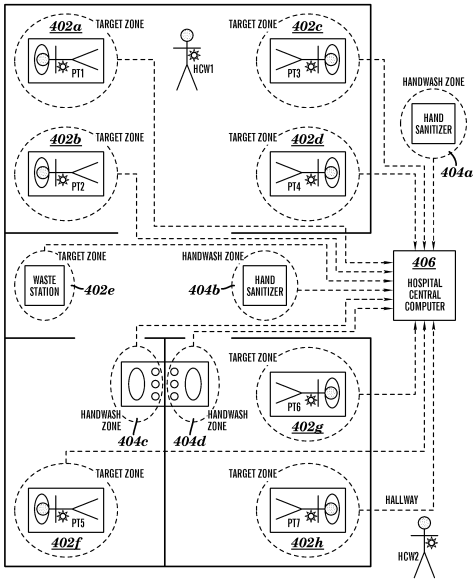
HILL ROM HOLDINGS
HILL ROM
HILL ROM SERVICES
ALLEN MEDICAL SYSTEMS
ANODYNE MEDICAL DEVICE
VOALTE
WELCH ALLYN

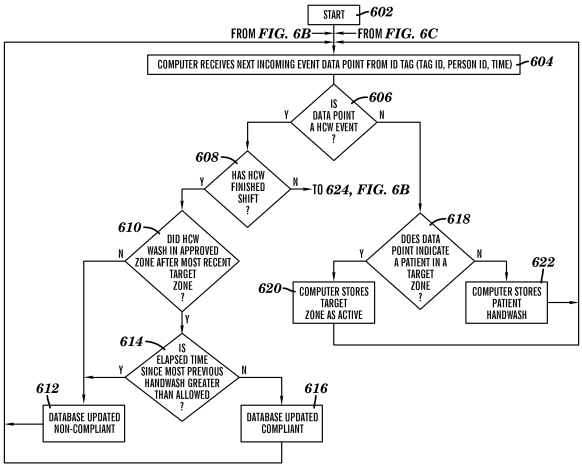
Family 3/15 - FAMPAT - ©Questel

Title

(WO201264718)
Hand hygiene compliance monitoring system

Images





Publication numbers with kind code & date

US9965943	B2	2018-05-08	US9965943
US20170229003	A1	2017-08-10	US20170229003
US9672726	B2	2017-06-06	US9672726
WO2012/064718	A3	2012-07-26	WO201264718
WO2012/064718	A2	2012-05-18	WO201264718
US20120112906	A1	2012-05-10	US20120112906

IPC - International classification

G06F-019/00; G06K-017/00; G06Q-050/00; G08B-001/08; G08B-013/14; G08B-021/00; G08B-021/24; G08B-023/00; G08B-025/00

Abstract

(WO2012/064718)

A hand hygiene compliance monitoring system includes a method and computer program product for performing sanitation compliance monitoring including receiving sanitation compliance data. The sanitation compliance data includes a zone identifier corresponding to a first device in a zone and an entity identifier corresponding to a second device attached to a mobile entity in the zone. The zone is defined by an area over which the first device and the second device communicate via one-way or two-way communication. It is determined whether the entity is compliant with a sanitation protocol associated with the zone, and a database is updated with results of the determining.

Inventors

BORKE BRIAN S

LANOUETTE ANDRE

Latest standardized assignees - inventors removed

GPCP IP HOLDINGS

Family 4/15 - FAMPAT - ©Questel

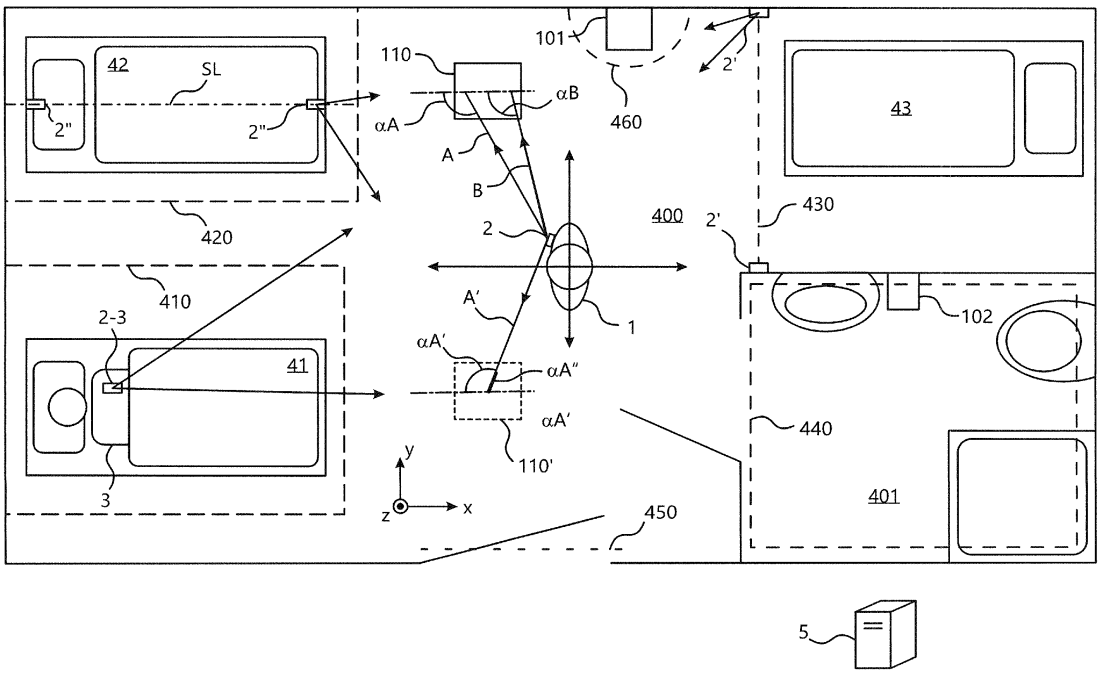
Title

(WO2018196980)

Improved hygiene compliance monitoring

Images

Fig.2



Publication numbers with kind code & date

CN110574085	A	2019-12-13	CN110574085
AU2017411356	A1	2019-11-14	AU2017411356
TW201901605	A	2019-01-01	TW201901605
CA3061537	A1	2018-11-01	CA3061537
WO2018/196980	A1	2018-11-01	WO2018196980

IPC - International classification

G06F-015/163; G06Q-010/06; G06Q-050/22; G08B-021/24; G08B-021/24; G09B-019/00; G16H-040/20

Abstract

(WO2018/196980)

A system for determining a hygiene compliance metric which indicates a usage of hygiene equipment, said system comprising distributed hygiene equipment arranged to dispense a hygiene consumable and/or to dispose of a hygiene

consumable, a tag configured to at least transmit radio signals; positioning equipment arranged to determine information on a position of said tag by at least receiving radio signals from said tag, and configured to determine information on a direction along which a radio signal was received from said tag for determining said information on a position; and said processing entity which is configured to receive said information on a position of said tag, to define a zone into which said tag may enter, to define a rule, and to calculate said hygiene compliance metric based on said information on the position, said zone, and said rule.

Inventors

LINDSTRÖM HÅKAN

Latest standardized assignees - inventors removed

ESSITY HYGIENE & HEALTH

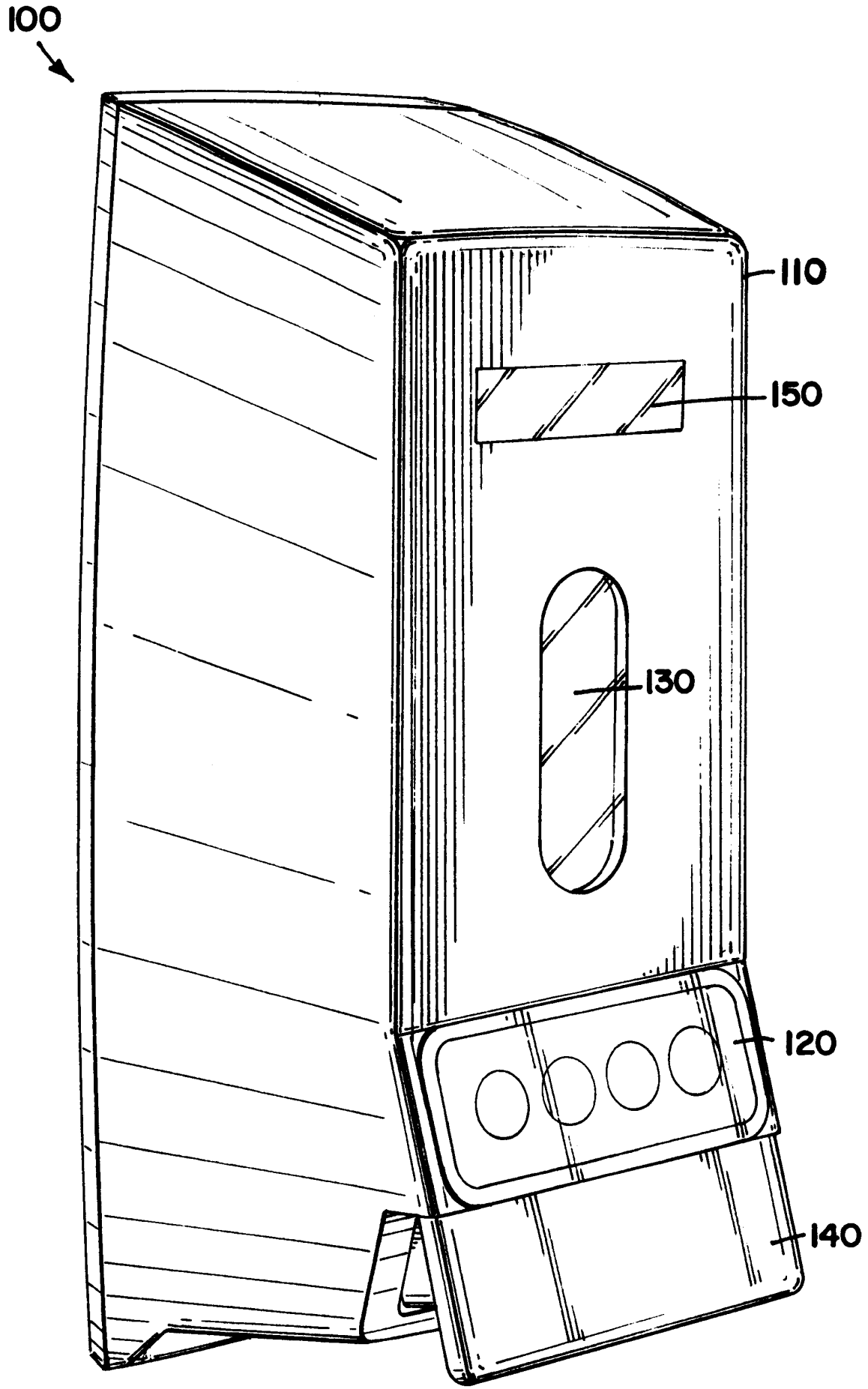
Family 5/15 - FAMPAT - ©Questel

Title

(EP-963728)

Hand soap dispenser with usage related data collection and display capabilities

Images



Publication numbers with kind code & date

DE69939294	D1	2008-09-25	DE69939294
EP0963728	B1	2008-08-13	EP-963728
CA2274277	C	2008-07-22	CA2274277

US6707873	B2	2004-03-16	US6707873
CN1123316	C	2003-10-08	CN1123316C
AU754913	B2	2002-11-28	AU-754913
US20020150198	A1	2002-10-17	US20020150198
US6404837	B1	2002-06-11	US6404837
EP0963728	A3	2001-01-03	EP-963728
BR9902237	A	2000-03-28	BR9902237
JP2000023871	A	2000-01-25	JP2000023871
AU3232199	A	1999-12-23	AU9932321
CN1238933	A	1999-12-22	CN1238933
EP0963728	A2	1999-12-15	EP-963728
CA2274277	A1	1999-12-11	CA2274277

IPC - International classification

A47K-005/12; A47K-005/12; G01F-011/08; G01F-013/00; G06F-017/40; G06M-003/00; G06M-003/08

Abstract

(EP0963728)

A device which measures individual employee usage of a liquid product or hand soap dispenser as part of an overall hygiene compliance program. The dispenser (100) consists of a self-contained keypad/display module (120) which is attached to a standard hand soap dispenser (100). An employee enters a unique personal ID code and then activates the dispenser (100). The dispenser (100) counts all inputs to the dispenser (100) in order to generate meaningful data for management. Alternatively, the dispenser (100) may only track and report total usage and not account for individual employee usage.

Inventors

THOMPSON LUKE P

COPELAND JAMES L

HOWES RONALD B JR

Latest standardized assignees - inventors removed

ECOLAB

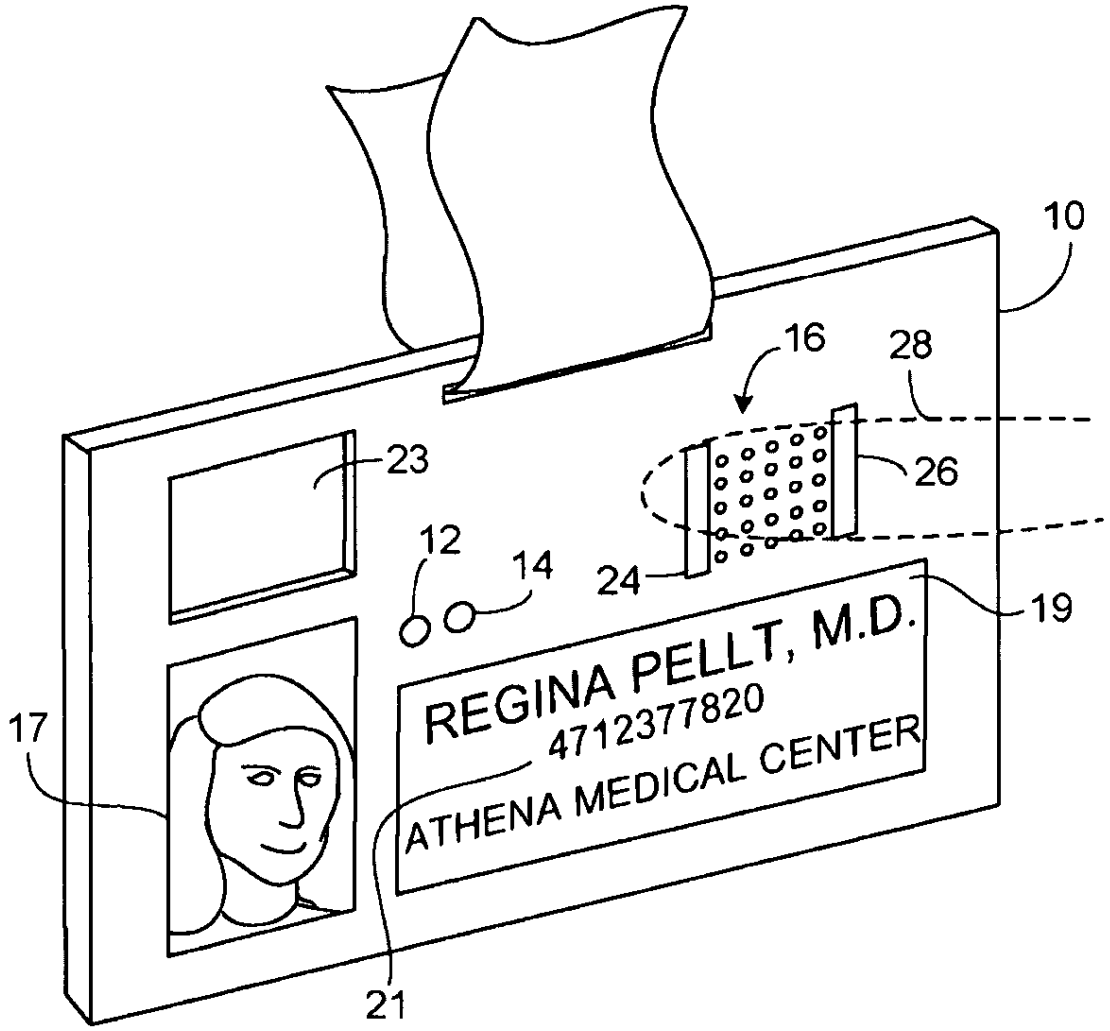
Family 6/15 - FAMPAT - ©Questel

Title

(EP1913568)

Hand cleanliness

Images



Publication numbers with kind code & date

CA2612748	C	2017-10-31	CA2612748
US9728069	B2	2017-08-08	US9728069
EP1913568	B1	2016-05-18	EP1913568
US20150228182	A1	2015-08-13	US20150228182
US9013312	B2	2015-04-21	US9013312
JP5594963	B2	2014-08-15	JP5594963
CN101496072	B	2013-11-06	CN101496072B
US8502681	B2	2013-08-06	US8502681
US20120068843	A1	2012-03-22	US20120068843
US20120062378	A1	2012-03-15	US20120062378
US20110206378	A1	2011-08-25	US20110206378
US7982619	B2	2011-07-19	US7982619
US7936275	B2	2011-05-03	US7936275
EP1913568	A4	2010-06-02	EP1913568
US20100109877	A1	2010-05-06	US20100109877
CN101496072	A	2009-07-29	CN101496072
WO2007/001866	A3	2009-04-23	WO200701866
JP2009501028	A	2009-01-15	JP2009501028
EP1913568	A2	2008-04-23	EP1913568
US20070015552	A1	2007-01-18	US20070015552
AU2006262524	A1	2007-01-04	AU2006262524
CA2612748	A1	2007-01-04	CA2612748
CA2979746	A1	2007-01-04	CA2979746

CA2979746	A1	2007-01-04	CA2979746
WO2007/001866	A2	2007-01-04	WO200701866

IPC - International classification

A61B-005/00; A61L-002/18; A61L-002/24; E03B-007/07; F16K-037/00; F17D-003/00; G01D-013/22; G01D-021/00; G06F-019/00; G07C-009/00; G07C-011/00; G08B-001/00; G08B-001/08; G08B-013/14; G08B-021/24; G08B-021/24; G08B-023/00

Abstract

(EP1913568)

Among other things, an electronic sensor is used by a person to detect a cleanliness state of the person's hands.

Inventors

BOLLING STEVEN F

Latest standardized assignees - inventors removed

BIOVIGIL

Family 7/15 - FAMPAT - ©Questel

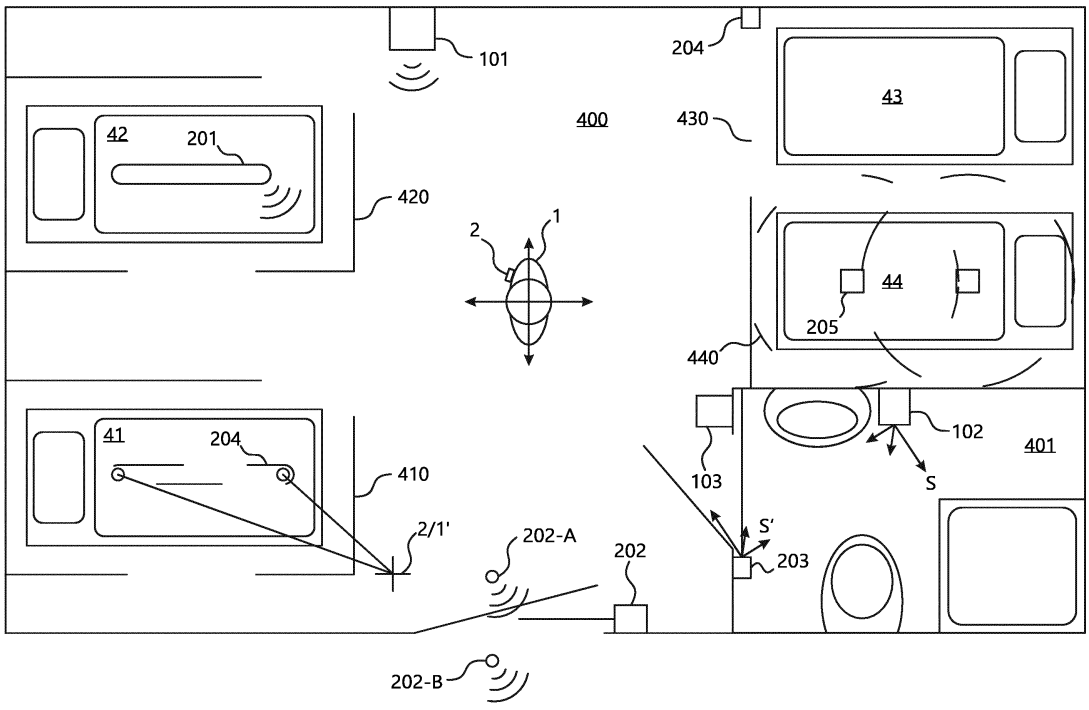
Title

(WO2018197023)

Hygiene compliance indicator device

Images

Fig.2



Publication numbers with kind code & date

WO2018/197023	A1	2018-11-01	WO2018197023

IPC - International classification

G06Q-010/06; G06Q-050/22; G08B-021/24

Abstract

(WO2018/197023)

Determining a hygiene compliance indicator which indicates a usage of hygiene equipment by a user, said device being adapted to be carried by said user, by a device comprising a detection unit configured to receive signals; a notification unit adapted to convey a signal to said user in accordance with said hygiene compliance indicator; and a processing unit being

configured to process information carried by a first received signal to determine a usage of said hygiene equipment; process information carried by a second received signal to determine an opportunity in relation to a usage of said hygiene equipment; determine said hygiene compliance indicator based on said determined usage and opportunity; and instruct said notification unit to convey said signal.

Inventors

LINDSTRÖM HÅKAN

Latest standardized assignees - inventors removed

ESSITY HYGIENE & HEALTH

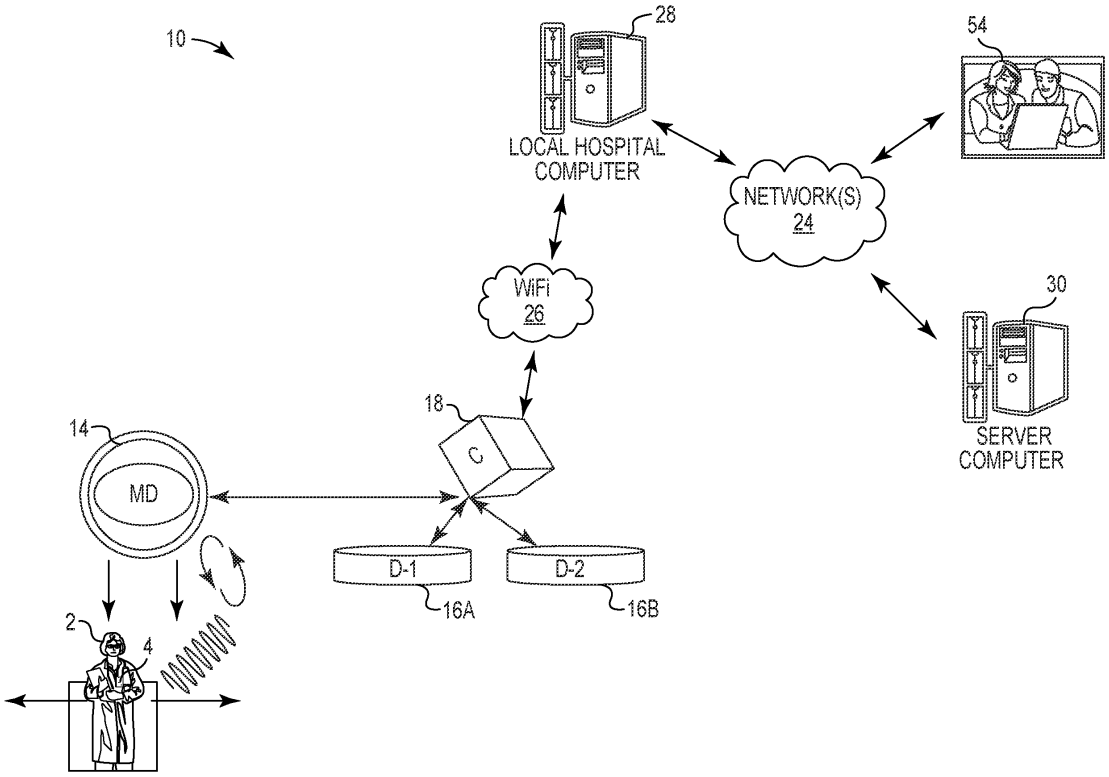
Family 8/15 - FAMPAT - ©Questel

Title

(EP3196855)

Hand hygiene compliance monitoring

Images



Publication numbers with kind code & date

PL2860716	T3	2017-10-31	PL2860716
EP3196855	A1	2017-07-26	EP3196855
EP2860716	B1	2017-04-12	EP2860716
PL2441062	T3	2016-02-29	PL2441062
EP2441062	B1	2015-09-23	EP2441062
PL2441063	T3	2015-08-31	PL2441063
ES2538501	T3	2015-06-22	ES2538501
EP2860716	A1	2015-04-15	EP2860716
DK2441063	T3	2015-04-13	DK2441063T
EP2441063	B1	2015-03-11	EP2441063
EP2441062	A4	2014-04-30	EP2441062
US8502680	B2	2013-08-06	US8502680
US8395515	B2	2013-03-12	US8395515
EP2441063	A4	2013-01-30	EP2441063

EP2441062	A2	2012-04-18	EP2441062
EP2441063	A2	2012-04-18	EP2441063
WO2010/143091	A3	2011-04-21	WO2010143091
WO2010/143092	A3	2011-04-21	WO2010143092
US20100315243	A1	2010-12-16	US20100315243
US20100315244	A1	2010-12-16	US20100315244
WO2010/143091	A2	2010-12-16	WO2010143091
WO2010/143092	A2	2010-12-16	WO2010143092

IPC - International classification

G06Q-010/00; G06Q-050/00; G08B-021/00; G08B-021/24; G08B-021/24; G08B-023/00; G08B-025/08; G08B-029/02

Abstract

(EP3196855)

A system and associated processes monitor hand hygiene compliance. The system includes hand hygiene product dispensers positioned within areas of concern (AOC) in a facility in which hand hygiene events are to be monitored. The dispensers detect dispense events initiated at the dispenser and transmit a dispense event signal indicative that a dispense event occurred along with dispenser identification information. The system also includes a plurality of compliance badges, each worn by a different person in the facility. Each compliance badge receives dispense event signals corresponding dispenser identification information associated with dispense events initiated by the wearer of the compliance badge. The badges store dispense event records associated with each dispense event initiated by the wearer and thus keep track of all dispense events initiated by the wearer of the compliance badge. One or more data gathering stations positioned at various locations through the facility receive the dispense event information from the individual badges when they come within range. The dispense event information may then be transferred to a local or remote computer for analysis and reporting on hand hygiene events taking place within the facility.

Inventors

TOKHTUEV EUGENE
OWEN CHRISTOPHER J
SCHILLING PAUL S
SKIRDA ANATOLY
SLOBODYAN VIKTOR
ERICKSON JOSEPH P
LITTAU CHERYL A
BUCK CHRISTOPHER A

Latest standardized assignees - inventors removed

ECOLAB

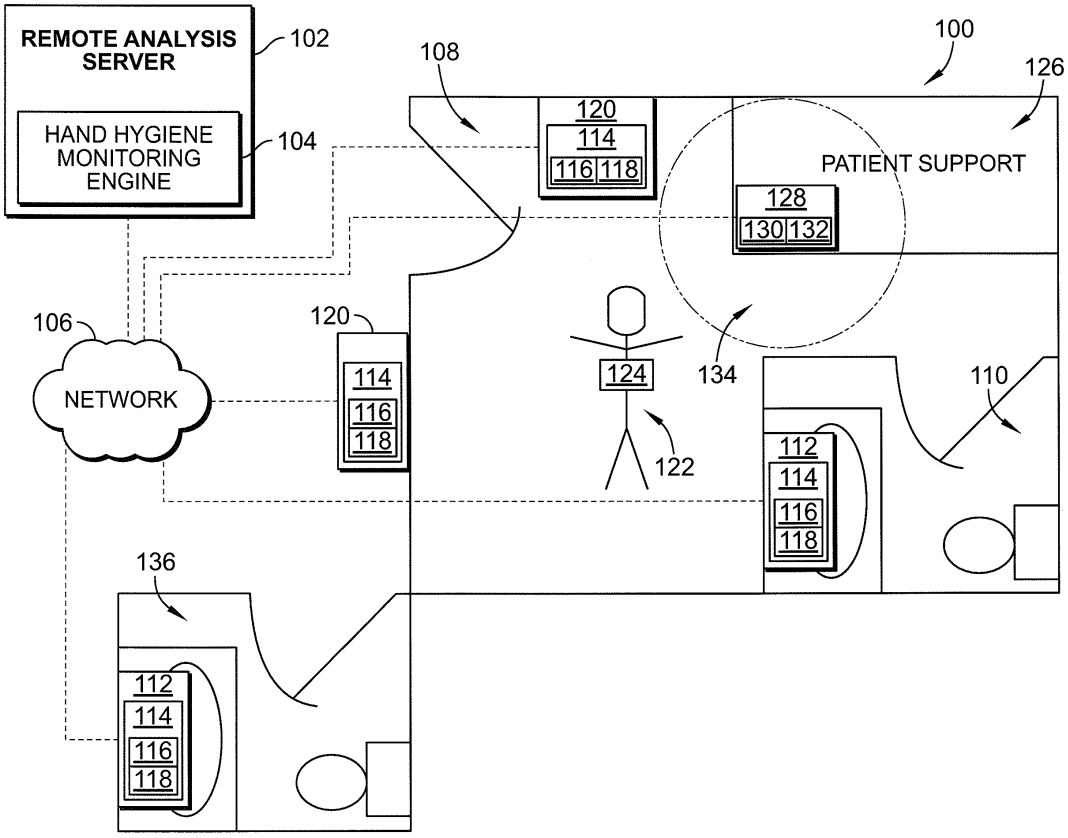
Family 9/15 - FAMPAT - ©Questel

Title

(EP3153984)

Hand hygiene monitoring system with customizable thresholds

Images



Publication numbers with kind code & date

EP3153984	A1	2017-04-12	EP3153984
US20170098366	A1	2017-04-06	US20170098366

IPC - International classification

G06F-019/00; G08B-021/24; G08B-021/24

Abstract

(EP3153984)

Technologies for monitoring hand hygiene compliance of a user include a remote analysis server configured to receive an indication from a plurality of hand hygiene devices. The hand hygiene devices include one or more disinfectant hand rub dispensing devices and one or more soap dispensing devices. The remote analysis server is further configured to manage a compliance counter for the user based a number of times disinfectant hand rub dispensing device and compare the compliance counter to a non-compliance threshold of the hand hygiene policy. The remote analysis server is configured to transmit a notification of compliance or non-compliance based on whether the compliance counter is greater than or equal to the non-compliance threshold. A threshold of compliance is customizable based on a room type designation.

Inventors

WALTON KELLY F
SKOTNICKI CHRISTOPHER JOHN
HOOD MICHAEL SCOTT
MADIGAN RYAN M
LINGENFELSER JOSHUA PETER

Latest standardized assignees - inventors removed

HILL ROM SERVICES

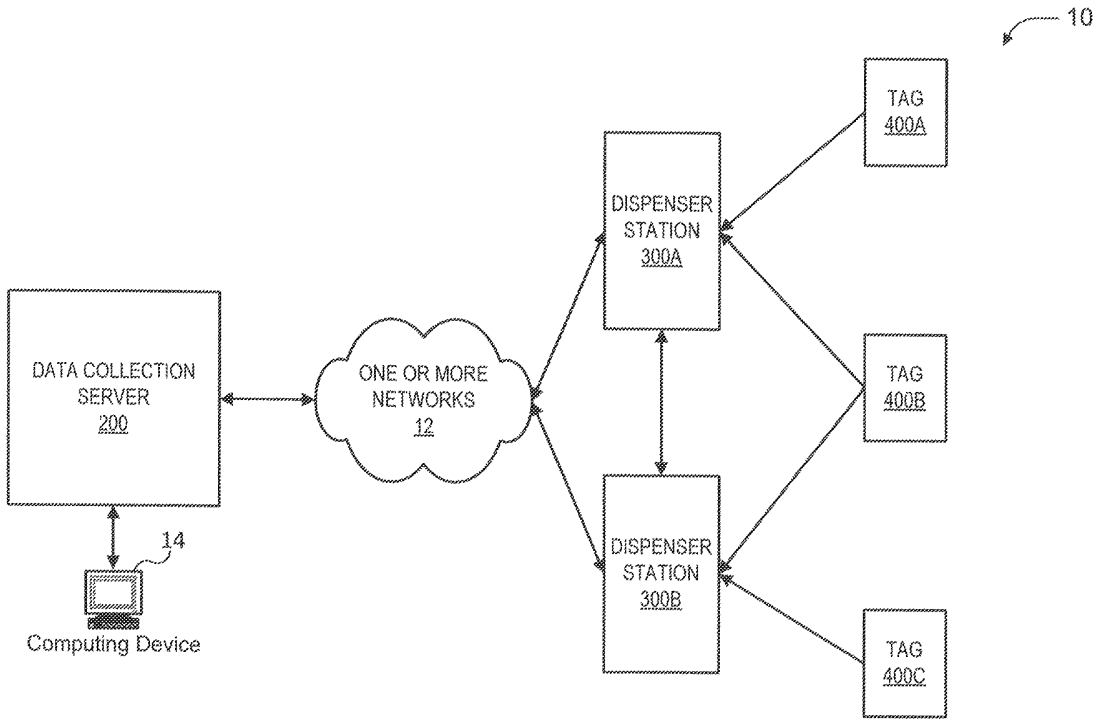
Family 10/15 - FAMPAT - ©Questel

Title

(WO2014205283)

System and methods for wireless hand hygiene monitoring

Images



Publication numbers with kind code & date

US10282969	B2	2019-05-07	US10282969
US20160140831	A1	2016-05-19	US20160140831
WO2014/205283	A1	2014-12-24	WO2014205283

IPC - International classification

G08B-021/00; G08B-021/24; G08B-023/00

Abstract

(WO2014/205283)

Aspects of the present disclosure generally relate to systems and methods for providing hand hygiene dispenser stations configured to remind users to use the hand hygiene dispenser stations. In one or more embodiments, the present systems and methods provide individual provider identification and networked communication among hand hygiene stations (dispenser stations), enabling tracking of providers and data collection regarding hand hygiene products usage (hand hygiene compliance).

Inventors

HERMANN CHRISTOPHER DOUGLAS

MCCRORY RUSSELL SCOTT

Latest standardized assignees - inventors removed

CLEAN HANDS SAFE HANDS

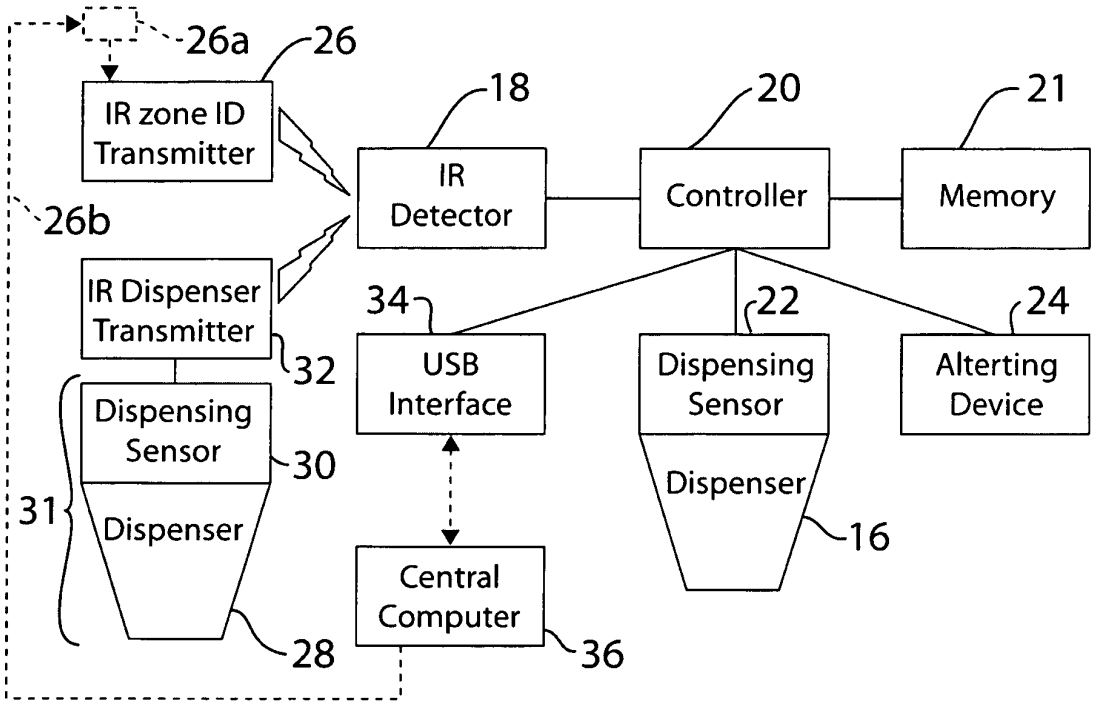
Family 11/15 - FAMPAT - ©Questel

Title

(EP2134307)

Hand hygiene compliance system

Images



Publication numbers with kind code & date

EP2134307	B1	2017-01-25	EP2134307
CA2682361	C	2013-06-25	CA2682361
EP2134307	A4	2012-10-24	EP2134307
US7898407	B2	2011-03-01	US7898407
EP2134307	A1	2009-12-23	EP2134307
CA2682361	A1	2008-10-09	CA2682361
US20080246599	A1	2008-10-09	US20080246599
WO2008/119158	A1	2008-10-09	WO2008119158

IPC - International classification

A47K-005/06; A61G-012/00; B67D-007/06; G01S-001/70; G07C-001/10; G08B-001/08; G08B-021/24; G08B-023/00

Abstract

(EP2134307)

A system and method of encouraging compliance of hand hygiene in an environment where users move from zone to zone and are required to perform hand hygiene between the zones. Users carry a wearable zone sensor which detects zones, detects hand hygiene actions, logs time of changing zones, and hand hygiene actions. The wearable sensor can be integral with a wearable hand hygiene product dispenser and/ or can operate in cooperation with a fixed dispenser configured to transmit hand hygiene actions to the wearable zone sensor. The wearable zone sensors are configured to be useable anonymously or to be associated with a user identifier, and to interface with a central computer via a docking station or communication interface to transfer data for later analysis.

Inventors

HUFTON GRAHAM CLIVE
LEVCHENKO OLEKSANDR IGOROVICH
FERNIE GEOFFREY ROY

Latest standardized assignees - inventors removed

UNIVERSITY HEALTH NETWORK

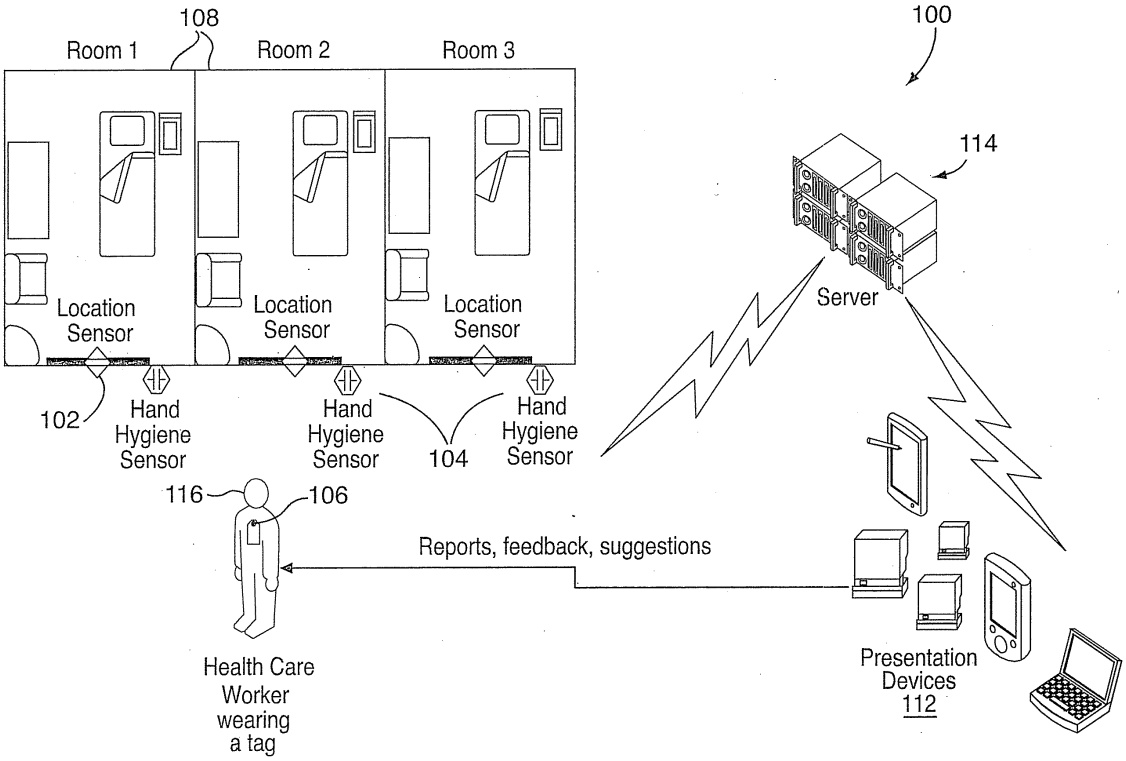
Family 12/15 - FAMPAT - ©Questel

Title

(US20130342349)

Systems and methods for hand hygiene compliance

Images



Publication numbers with kind code & date

US20130342349	A1	2013-12-26	US20130342349	

IPC - International classification

G06Q-050/22; G08B-023/00

Abstract

(US20130342349)

A method and system for controlling hand hygiene compliance in a health care environment is provided. Location identification tags in communication with sensors on hand hygiene instruments within a health care environment, are monitored to collect hand hygiene event data and to determine rates of hand hygiene compliance below set targets. Root causes of hand hygiene compliance are identified and corresponding hand hygiene solutions are provided to implement lean analytics and six sigma based improvement to hand hygiene compliance rates.

Inventors

CRUZ NESTOR G

Latest standardized assignees - inventors removed

EXCELION TECHNOLOGY

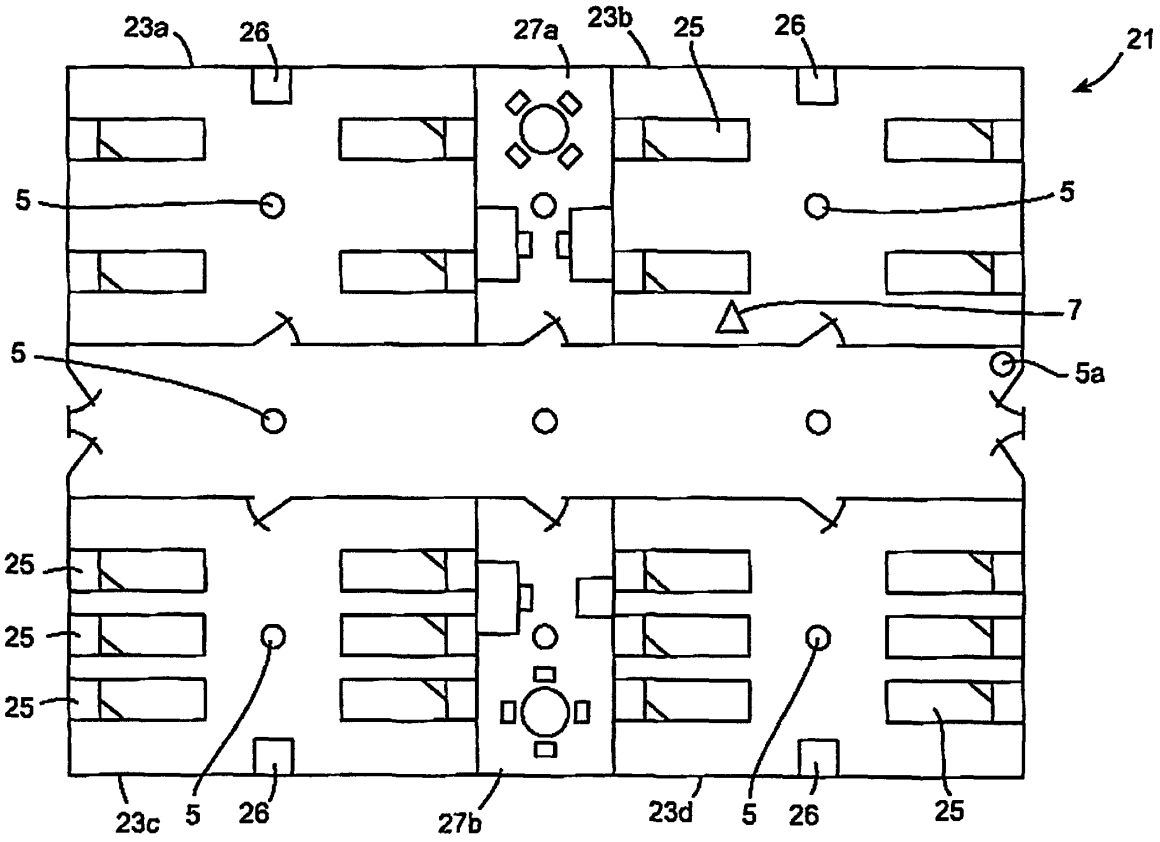
Family 13/15 - FAMPAT - ©Questel

Title

(EP1982314)

A system and method for monitoring hygiene standards compliance

Images



Publication numbers with kind code & date

US9640059	B2	2017-05-02	US9640059
CA2641725	C	2017-01-24	CA2641725
DK2317700	T3	2016-08-22	DK2317700T
EP2317700	B1	2016-05-04	EP2317700
ES2362738	T3	2011-07-12	ES2362738
AU2006337971	B2	2011-07-07	AU2006337971
PL1982314	T3	2011-05-31	PL1982314
EP2317700	A1	2011-05-04	EP2317700
DE602006019141	D1	2011-02-03	DE602006019141
AT492864	T	2011-01-15	ATE492864
EP1982314	B1	2010-12-22	EP1982314
US20100188228	A1	2010-07-29	US20100188228
EP1982314	A1	2008-10-22	EP1982314
AU2006337971	A8	2008-10-02	AU2006337971
AU2006337971	A1	2007-08-16	AU2006337971
CA2641725	A1	2007-08-16	CA2641725
WO2007/090470	A1	2007-08-16	WO200790470

IPC - International classification

G08B-021/22; G08B-021/24; G08B-031/00

Abstract

(EP1982314)

This invention relates to a system and method of monitoring hygiene standards compliance in a medical facility in which there is provided a surveillance network having a monitoring unit 3 and a plurality of mobite network units 7. There may additionally be provided a plurality of fixed network units 5. The monitoring unit 3, mobile network units 7 and fixed network units 5 are connected by way of a Wireless Personal Area Network (WPAN), in this case a ZigBee network. Identification

signals are sent from the mobiles network units 7 to the monitoring unit 3 and the monitoring unit stores the identification signals in memory and generates a hygiene standards compliance profile for an individual associated with a particular mobile network unit. The hygiene compliance profile may provide information relating to the number of times that a particular individual washed their hands to information regarding the patients that that individual came into contact with over the course of a shift. Reports on the behaviour of individuals or groups of individuals may be generated.

Inventors

HYLAND KIERAN RICHARD

Latest standardized assignees - inventors removed

HYNTELX

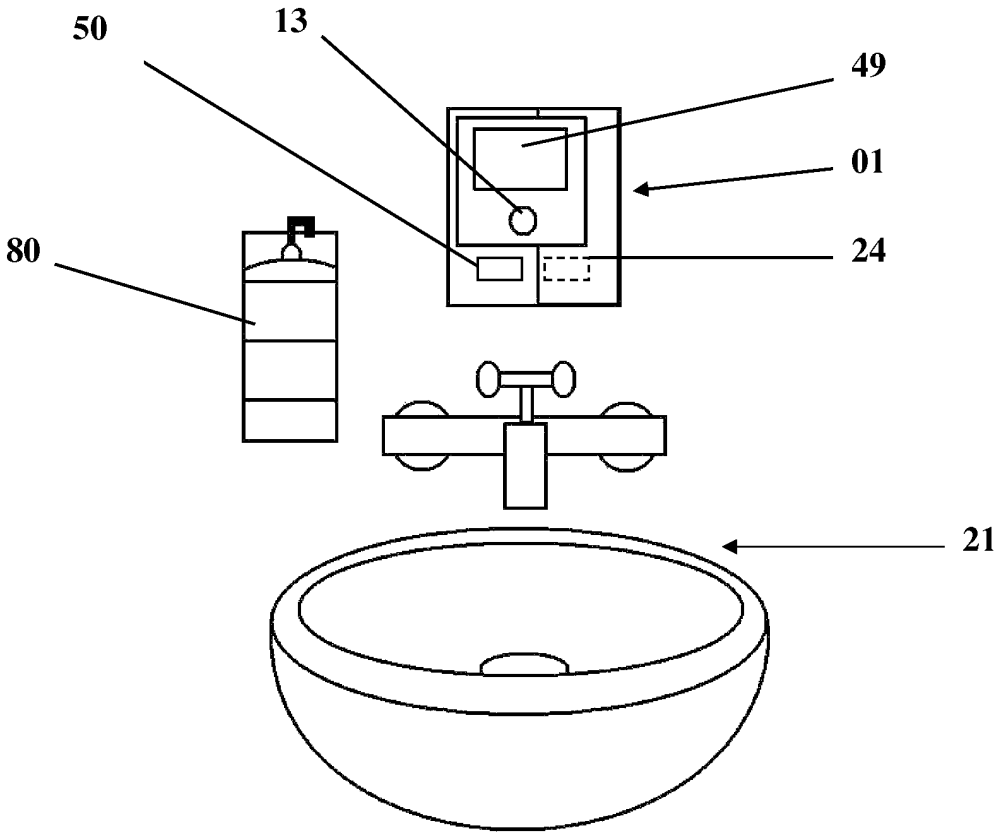
Family 14/15 - FAMPAT - ©Questel

Title

(EP2513881)

Hygiene compliance system and method

Images



Publication numbers with kind code & date

US9047755	B2	2015-06-02	US9047755
US20130027199	A1	2013-01-31	US20130027199
EP2513881	A1	2012-10-24	EP2513881
WO2011/072837	A1	2011-06-23	WO201172837

IPC - International classification

A47K-005/12; B67D-001/00; G06F-017/00; G06F-019/00; G08B-001/08; G08B-021/02; G08B-021/24; G08B-021/24; G08B-023/00

Abstract

(EP2513881)

A hygiene compliance system comprising personnel tags each having a respective status indicator that may be set to a first value indicating hygiene compliance or to a second value indicating hygiene non-compliance. Monitors for target zones, e.g. patients' beds, detect the presence of the personnel tags at the target zone. Monitors for hygiene stations, e.g. washbasins, detect the presence of the tags at the hygiene stations. When the hygiene station monitor detects that a hygiene station has been used, the respective tag is set to the first value. The target zone monitor checks the status of tags detected in its target zone and may issue a warning if the status indicates hygiene non-compliance. When the person leaves the target zone, the target zone monitor changes the respective tag's status to the second value.

Inventors

BONNER JAMES

Latest standardized assignees - inventors removed

ITRONIK INTERCONNECT

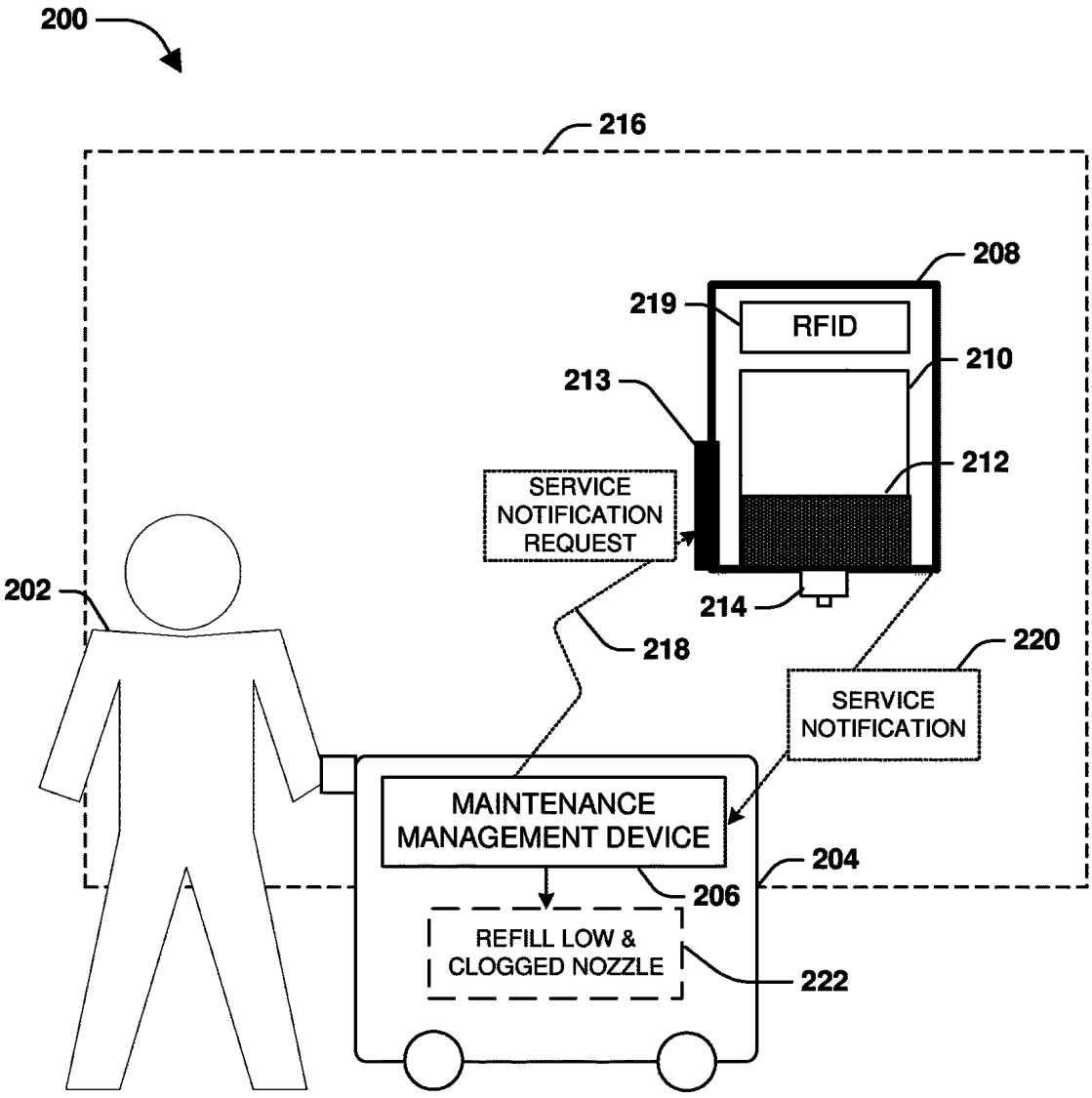
Family 15/15 - FAMPAT - ©Questel

Title

(US9830565)

Hygiene device service notification

Images



Publication numbers with kind code & date

US9830565	B2	2017-11-28	US9830565
US20160180688	A1	2016-06-23	US20160180688

IPC - International classification

G06Q-010/06

Abstract

(US20160180688)

One or more techniques and/or systems are provided for service notification. A notification component may be associated with a hygiene device, such as a material dispenser. The notification component may receive a service notification request (e.g., an infrared signal or other wireless signal) from a maintenance management device (e.g., a computing device associated with a maintenance cart or mobile device of a housekeeper) based upon the maintenance management device being within a communication threshold distance of the hygiene device. The notification component may evaluate a current operational status of the hygiene device to determine a service notification to provide (e.g., a low battery alert, a refill container level indicator, etc.). The service notification may be provided through the hygiene device or through the maintenance management device to the housekeeper (e.g., a blinking light, an audible notification, a textual notification, etc.).

Inventors

O'TOOLE MARTIN

Latest standardized assignees - inventors removed

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