

Search query (1): [SP]: A piece of hygiene equipment to be used by one or more operators, comprising: a sensor section configured to generate a usage signal in response to an operator using the piece of hygiene equipment; and a detection section configured to forward, in response to receiving said usage signal, a usage event signal to a determination section for determining a control command based on a random rule and said usage event signal; and a control section configured to control a reward action, in response to receiving said control command . 2. The piece of hygiene equipment according to claim 1, further comprising said determination section. 3. The piece of hygiene equipment according to claim 1, further comprising a communication section configured to forward said usage event signal to and receiving said control command from said determination section. 4. The piece of hygiene equipment according to any one of claims 1 to 3, further comprising a reward action execution section comprising any one of an optical signal section, an acoustic signal section, a sound generator, an audio output, a display, a printer, and an enclosure adapted to accommodate an object. 5. The piece of hygiene equipment according to claim 4, further comprising a code generation section configured to generate a code as a reward token. 6. The piece of hygiene equipment according to claim 5, comprising a display and wherein the reward action execution section is configured to display said code as the reward action on said display. 7. The piece of hygiene equipment according to claim 4 or 5, comprising a printer and wherein the reward action execution section is configured to print said code on a slip by said printer as the reward action. 8. The piece of hygiene equipment according to any one of claims 1 to 7, further comprising an operator detection section configured to determine a property of an operator . 9. The piece of hygiene equipment according to claim 8, wherein the operator detection section is configured to obtain identification information indicating an operator to be rewarded, and the piece of hygiene equipment further comprises a communication section configured to forward a code toward an operator based on said obtained operator identification information. 10. The piece of hygiene equipment according to any one of claims 1 to 9, wherein the determination section further applies a rule based on any one of a time span, a time, a usage frequency, a location of the piece of hygiene equipment . 11. The piece of hygiene equipment according to any one of claims 4 to 10, comprising an audio output and wherein the reward action execution section is configured to output a sound signal as the reward action on said audio output . 12. The piece of hygiene equipment according to any one of claims 4 to 11, comprising an enclosure and wherein the reward action execution section is configured to open a door to said enclosure as the reward action. 13. The piece of hygiene equipment according to claim 12, wherein said enclosure is at least in part transparent. 14. The piece of hygiene equipment according to any one of claims 1 to 13, wherein the control section is further configured to select a specific reward action. 15. The piece of hygiene equipment according to any one of claims 8 to 14, wherein the control section is further configured to suppress a reward action based on the determined property. 16. The piece of hygiene equipment according to any one of claims 1 to 15, wherein the piece of hygiene equipment is any one of a soap dispenser, a dispenser for disinfectant solutions, gels or substances, a towel dispenser, a glove dispenser, a tissue dispenser, a hand dryers, a sink, and a radiation assisted disinfectant point.

Results: 4

Search history

Search [SP]: A piece of hygiene equipment to be used by one or more operators, comprising: a sensor section configured to generate a usage signal in response to an operator using the piece of hygiene equipment; and a detection section configured to forward, in response to receiving said usage signal, a usage event signal to a determination section for determining a control command based on a random rule and said usage event signal; and a control section configured to control a reward action, in response to receiving said control command . 2. The piece of hygiene equipment according to claim 1, further comprising said determination section. 3. The piece of hygiene equipment according to claim 1, further comprising a communication section configured to forward said usage event signal to and receiving said control command from said determination section. 4. The piece of hygiene equipment according to any one of claims 1 to 3, further comprising a reward action execution section comprising any one of an optical signal section, an acoustic signal section, a sound generator, an audio output, a display, a printer, and an enclosure adapted to accommodate an object. 5. The piece of hygiene equipment according to claim 4, further comprising a code generation section configured to generate a code as a reward token. 6. The piece of hygiene equipment according to claim 5, comprising a display and wherein the reward action execution section is configured to display said code as the reward action on said display. 7. The piece of hygiene equipment according to claim 4 or 5, comprising a printer and wherein the reward action execution section is configured to print said code on a slip by said printer as the reward action. 8. The piece of hygiene equipment according to any one of claims 1 to 7, further comprising an operator detection section configured to determine a property of an operator . 9. The piece of hygiene equipment according to claim 8, wherein the operator detection section is configured to obtain identification information indicating an operator to be rewarded, and the piece of hygiene equipment further comprises a communication section configured to forward a code toward an operator based on said obtained operator identification information. 10. The piece of hygiene equipment according to any one of claims 1 to 9, wherein the determination section further applies a rule based on any one of a time span, a time, a usage frequency, a location of the piece of hygiene equipment . 11. The piece of hygiene equipment according to any one of claims 4 to 10, comprising an audio output and wherein the reward action execution section is configured to output a sound signal as the reward action on said audio output . 12. The piece of hygiene equipment according to any one of claims 4 to 11, comprising an enclosure and wherein the reward action execution section is configured to open a door to said enclosure as the reward action. 13. The piece of hygiene equipment according to claim 12, wherein said enclosure is at least in part transparent. 14. The piece of hygiene equipment according to any one of claims 1 to 13, wherein the control section is further configured to select a specific reward action. 15. The piece of hygiene equipment according to any one of claims 8 to 14, wherein the control section is further configured to suppress a reward action based on the determined property. 16. The piece of hygiene equipment according to any one of claims 1 to 15, wherein the piece of hygiene equipment is any one of a soap dispenser, a dispenser for disinfectant solutions, gels or substances, a towel dispenser, a glove dispenser, a tissue dispenser, a hand dryers, a sink, and a radiation assisted disinfectant point. (Results 4)

1) Family number: 58630092 (US2015062073A)

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Title: SYSTEM AND METHOD FOR INTERACTIVE DISTRIBUTION OF DIGITAL CONTENT

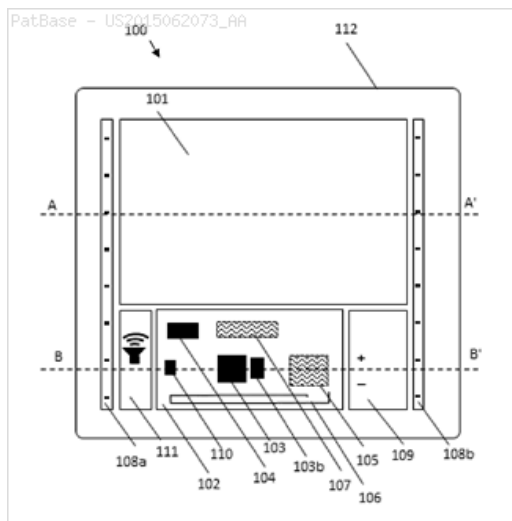
Abstract: A system for distribution of digital content includes at least one interactive terminal with a display, at least one battery, electronics for enabling digital image creation on the display, a communication module, and means for controlling an interactive touchless user interface in order to display selected content on the interactive terminal. In addition, a method for interactive distribution of digital content with content pages $c=1, 2, \dots, h$ to be displayed with at least one interactive terminal at at least one location $j=1, 2, \dots, m$, includes locating at least one $i=1, 2, \dots, n$ interactive terminals at a defined location $j=1, 2, \dots, m$ for displaying the digital content, providing means for interaction with a user via the touchless user interface, based on user input, and communicating with a server infrastructure to display selected content on the interactive terminal.

Classifications:

International (IPC 8-9): G06F1/16 G06F3/041 G06F3/044 G06F3/046
G06Q30/02 (Advanced/Invention)

CPC: G06F3/041 G06F3/044 G06F3/046 G06F2203/04108
G06F1/1626 G06Q30/0267 G09F27/005 G06F3/0304 G06F3/042
A47K5/1217

US: 345/173 345/174



Family:

Publication number	Publication date	Application number	Application date
FI20135882 A	20150303	FI20130005882	20130902
US2015062073 AA	20150305	US20140269379	20140505
US9626016 BB	20170418	US20140269379	20140505
WO15028702 A1	20150305	WO2014FI00020	20140828

Priority:

FI20130005882 20130902 US20140269379 20140505

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Agent(s): ZIEGLER IP LAW GROUP LLC; MOOSEDOG OY

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 41119196 (US2008019489A)

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Title: ENTERTAINING OR ADVERTISING HYGIENE APPARATUS

Abstract: A method and apparatus are disclosed which involve an improved way to coerce use of a soap dispenser (or other hygiene device). A soap dispenser according to at least one embodiment, includes a teaching, entertaining or communication means that is fun and informative that is triggered when the soap dispenser is utilized. The soap dispenser may also be utilized as an advertising tool.

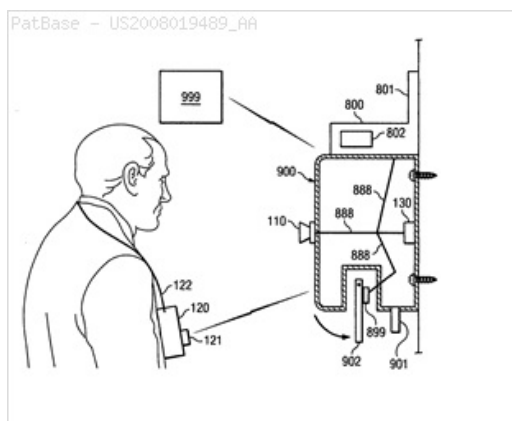
Classifications:

International (IPC 8-9): B67D7/00 B67D7/06 B67D7/08 G06Q30/00 G08B23/00 H04M11/00 (Advanced/Invention); G06Q30/00 G08B23/00 H04M11/00 (Core/Invention)

CPC: G06Q20/206 G06Q30/0268 G07F7/02 G07F9/02 G07F17/18 G09B19/0076 G08B21/245 A47K5/12 A47K5/1205 A47K5/1207 A47K5/1217 A47K5/18 G06Q30/02

European: A47K5/12 G06Q20/206 G06Q30/02 G06Q30/0268 G07F17/18 G07F7/02 G07F9/02 G08B21/24H G09B19/00L

US: 222/1 222/192 222/192S 222/1P 222/52 222/52S 340/10.1 340/540 340/572.1 340/573.1 340/573.100P 379/93.01 379/93.010P 705/14 705/14.65 705/14.650P



Family:

Publication number	Publication date	Application number	Application date
US2008019489 AA	20080124	US20070891235	20070809
US2008019490 AA	20080124	US20070897741	20070831
US2008021779 AA	20080124	US20070827482	20070712
US2010282773 AA	20101111	US20100836278	20100714
US2012013470 AA	20120119	US20110068482	20110513
US7782214 BA	20100824	US20050323759	20051230
US7952484 BB	20110531	US20100836278	20100714
US8169327 BB	20120501	US20110068482	20110513

Priority:

US20040640671P 20041231 US20050697049P 20050706 US20050697126P 20050707
 US20050323759 20051230 US20070827482 20070712 US20070891235 20070809
 US20070897741 20070831 US20100836278 20100714 US20110068482 20110513

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3) Family number: 49242400 (US2011169643A)

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Title: HYGIENE COMPLIANCE MONITORING SYSTEM

Abstract: An electronic hand hygiene compliance system and award indicator that provides realtime reporting of the percent number of hand hygiene events against a programmed target number of hand hygiene events for a given functional area over a given period of time, yeilding hand hygiene compliance. The system keeps up to date compliance for an established group interval until the data is written over by compliance data for the same group interval the following day. In addition, a random hand hygiene event can be identified for a given functional area during a given period of time to trigger an alarm for encouraging hand hygiene activity for a given dispenser or group of dispensers.

Classifications:

International (ipc 8-9): G05B13/02 G06F19/00

G08B23/00 (Advanced/Invention);

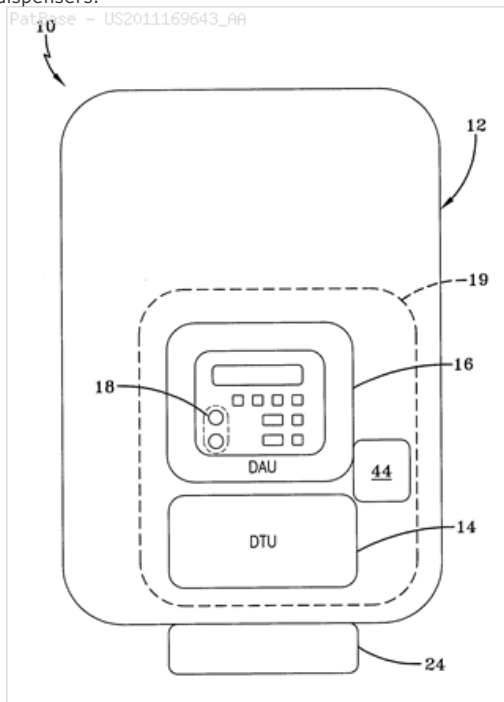
G06F19/00 (Advanced/Non-invention);

G05B13/02 (Core/Non-invention)

CPC: G08B21/245 G16H50/80 Y02A90/22 Y02A90/24 G16H40/20

European: G06F19/32G G08B21/24 G08B21/24H S06F19/34S

US: 222/52 340/517 340/523 340/573.1 340/573.100P



Family:

Publication number	Publication date	Application number	Application date
TW201131322 A	20110916	TW20110100941	20110111
US2011169643 AA	20110714	US20100685110	20100111
US2011169645 AA	20110714	US20110987389	20110110
US8717177 BB	20140506	US20100685110	20100111
US8823525 BB	20140902	US20110987389	20110110
WO11085292 A2	20110714	WO2011US20642	20110110
WO11085292 A3	20120223	WO2011US20642	20110110
WO11085292 A4	20120412	WO2011US20642	20110110

Priority:

US20100685110 20100111 US20110987389 20110110

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 56021517 (US2014081653A)

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Title: METHODS FOR ENSURING AND TRACKING HAND HYGIENE COMPLIANCE

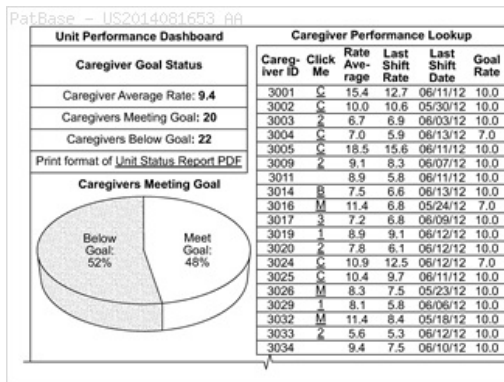
Abstract: A method for ensuring hand hygiene compliance may include tracking dispensing of a plurality hand hygiene dispensers having hand sanitizer. Each hand hygiene dispenser can be associated with an individual user. A processor may determine dispensing rates of the plurality of hand hygiene dispensers for a plurality of predetermined time periods and each of the plurality of the hand hygiene dispensers is identified with an individual user. The average dispensing rate can be calculated taking a predetermined number of highest dispensing rates out of the plurality of predetermined time periods. The rates can be displayed to the users, and the users can be notified of proper hand hygiene compliance or if the average dispensing rate falls below a target threshold rate.

Classifications:

International (IPC 8-9): A47K5/122 A61B90/80 A61B90/98 B65D90/48 G06Q30/00 G06Q50/22 G16H40/20 (Advanced/Invention)

CPC: G06Q30/018 G06Q50/22 B65D90/48 A47K5/122 A61B90/80 A61B90/98 G16H40/20

US: 705/2



Family:

Publication number	Publication date	Application number	Application date
US2014081653 AA	20140320	US20130029746	20130917
US2015134357 AA	20150514	US20150604207	20150123
US10121149 BB	20181106	US20130029746	20130917

Priority:

US20120702013P 20120917 US20130029746 20130917 US20150604207 20150123

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