- clearest + best - written application
- NO O/R glossed disclosure
- claims are pretty good /
+ GPS/Room

TITLE OF THE INVENTION

[ALARM NOTIFCATION SYSTEM USING GPS TRACKING FOR SCHOOL SHOOTINGS] Remove Brackets

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] [Not Applicable][List Related Applications]

Examples:

[The present application is a continuation of Application No. XX/XXX,XXX, filed XXXXX, entitled " XXXXX", which is hereby incorporated by reference in its entirety.]

[The present application claims the benefit of U.S. Provisional Application No. 63/XXX,XXX, filed XXXXX, entitled "XXXXXX", which is hereby incorporated by reference in its entirety.]

Overall good - not perfect, but the best in the class so A

- include O/R + GPS/Room to fix claims to keep A for next assignment!

BACKGROUND OF THE INVENTION

[0002] The present invention generally relates to a [invention]. More particularly, the present invention relates to a [invention, more specifically – but NOT PON].

[0003] [general background]

[0004] [describe prior art]

[0005] [DO NOT INCLUDE ANY OF – long felt need, anything relating to your invention or the motivation for making your invention.]

BRIEF SUMMARY OF THE INVENTION

[0006] One or more of the embodiments of the present invention provide [describe invention as claimed]

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] Figure 1 illustrates a [invention] according to an embodiment of the present invention.

[0008] Figure 2 illustrates a flow chart of an embodiment of the [invention process].

[REMEMBER – no element numbers]

DETAILED DESCRIPTION OF THE INVENTION

[0009] Figure 1 illustrates an alarm notification system 100 according to an embodiment of the present invention. The alarm notification system 100 includes a server 110, a first switch box 120, a second switch box 130, a patch box 140, and a police department communication system 150. In an example, the server 110 includes a computer, or alternatively, the server 110 includes multiple computers. The server 110 includes a server transceiver 111, a server processor 112, and a server memory 113. A transceiver such as the server transceiver 111 includes a transmitter to transmit signals and a receiver to receive signals. The signals can be transmitted or received over a network connection or another type of communication link. The server memory 113 stores a data structure 114. A memory such as the server memory 113 includes a dynamic random access memory (DRAM), a static random access memory (SRAM), or another type of memory. The data structure 114 contains data such as a school dataset 115. The data structure 114 is a container of data. As examples, the data structure 114 includes one or more files, one or more tables, one or more databases, or any other type of container of data. The first switch box 120 includes a first switch box switch 121, a first switch box transceiver 122, a first switch box memory 124, a first switch box alarm 125, and a first switch box power source 126. The second switch box 130 includes a second switch box switch 131, a second switch box transceiver 132, a second switch box memory 134, a second switch box alarm 135, and a first switch box power source 136. When either the first switch box 120 or the second switch box 130 is activated, the corresponding first switch box alarm 125 or the second switch box alarm 135 ~~will sound~~ is activated to provide an audio warning to people that an emergency condition may be present. The patch box 140

includes a patch box transceiver 141, a patch box latch 142, a patch box memory 143, and a patch box power source 144. As discussed further below and shown in Figure 7, the patch box 140 also includes plural adhesive medical dressings that are available to users to dress wounds of the users.

[0010] In a preferred embodiment of the alarm notification system 100, the first switch box 120 is in communication with the server 110 through a network connection 160. More specifically, the server transceiver 111 in the server 110 communicates with the first switch box transceiver 122 of the first switch box 120. The server processor 112 is electrically coupled with the server transceiver 111. The server memory 113 is electrically coupled with the server processor 112. The server memory 113 is electrically coupled with the server transceiver 111. As noted above, the data structure 114 stored in the server memory 113 contains the school dataset 115 (further discussed in Figure 3).

[0011] In addition, the first switch box switch 121 is electrically coupled with the first switch box transceiver 122. The first switch box memory 124 is electrically coupled with the first switch box transceiver 122. The first switch box transceiver 122 is electrically coupled with the first switch box alarm 125. In the preferred embodiment, the first switch box alarm 125 includes an auditory horn that when activated produces a warning sound. The first switch box power source 126 is electrically coupled with the first switch box switch 121, the first switch box transceiver 122, the first switch box memory 124, and the first switch box alarm 125. The first switch box power source 126 provides electrical power to each of the first switch box transceiver 122, the first switch box memory 124, and the first switch box alarm 125. The electrical power provided by the first switch power source 126 enables the first switch box transceiver 122, the first

switch box memory 124, and the first switch box alarm 125 to perform their respective operations.

[0012] In addition, the second switch box 130 is in communication with the server 110 through network connection 161. The second switch box transceiver 132 is electrically coupled with the second switch box switch 131. The second switch box transceiver 132 is electrically coupled with the second switch box memory 134. The second switch box transceiver 132 is electrically coupled with the second switch box alarm 135. In the preferred embodiment, the second switch box alarm 135 includes an auditory horn. The second switch box power source 136 is electrically coupled with the second switch box switch 131, the second switch box transceiver 132, the second switch box memory 134, and the second switch box alarm 135. The electrical power provided by the first switch power source 136 enables the second switch box transceiver 132, the second switch box memory 134, and the second switch box alarm 135 to perform their respective operations. In an example, the first switch box power source 126 and the second switch box power source 136 are batteries. In another example, the first switch box power source 126 and the second switch box power source 136 are power supplies that is plugged into AC wall outlets.

[0013] In addition, the patch box 140 is in communications with the server 110 through network connection 162. The patch box transceiver 141 is electrically coupled with the patch box latch 142. The patch box transceiver 141 is electrically coupled the patch box memory 143. The patch box transceiver 141 is electrically coupled with the patch box power source 144. The patch box memory 144 is electrically coupled with the patch box power source 144. The patch box power source 144 is electrically coupled with

and supplies power to each of the patch box transceiver 141, the patch box latch 142, and the patch box memory 143.

[0014] In addition, the server 110 is in communication with the police department communication system 150 through a network connection 163. In the preferred embodiment, the police department communication system 150 includes a phone. When an emergency condition is detected, the server 110 calls the phone of the police department communication system 150 to notify police of the emergency condition. In other embodiments, the police department communication system 150 includes a computer through to messages such as email messages can be sent by the server 110.

[0015] In operation, the alarm notification system 100 involves the following components: the server 110, the first switch box 120, the second switch box 130, the patch box 140, and the police department communication system 150. The first switch box switch 121 generates a switch activated signal when a user actuates the first switch box switch 121. As an example, the first switch box switch 121 includes a lever or another user actuatable component that is manipulated by the user to actuate the first switch box switch 121. When actuated, the first switch box switch 121 activates the first switch box alarm 125 (e.g., sounds the auditory horn of the switch box alarm 125) and transmits the switch activated signal to the first switch box transceiver 122. The first switch box transceiver 122 retrieves a unique identification (ID) data of the first switch box 120 and a server Internet Protocol (IP) address of the server 110 from the first switch box memory 124. In an example, the server IP address is associated with the server transceiver 111 of the server 110. A data packet that contains the IP address (as a destination address) is forwarded to the server 110 over the network connection 160. The

first switch box transceiver 122 transmits data containing the unique ID of the first switch box 120 to the server transceiver 111 associated with the server IP address.

[0016] Further describing the operation, the server transceiver 111 forwards the data containing the unique ID of the first switch box 120 to the server processor 112. In response to receiving the unique ID of the first switch box 120, the server processor 112 retrieves the school dataset 115 stored in the data structure 114 of the server memory 113. The server processor 112 compares the unique ID of the first switch box 120 to information contained in the school dataset 115 to determine a school subset 320 representing the school in which the first switch box 120 is located (further discussed in connection with Figure 3). From the school subset 320, the server processor 112 obtains a switch box IP address dataset (shown as 413 in Figure 4) that contains IP addresses of all switch boxes located in the school in which the first switch box 120 is located. The purpose of obtaining the switch box IP address dataset is so that the server processor 112 is able to identify all switch boxes in the school. In the example of Figure 1, the school has the first and second switch boxes 120 and 130. In other examples, the school has more than two switch boxes. The server processor 112 generates an alarm activation signal for the purpose of activating alarms of other switch boxes (other than the first switch box 120 at which the first switch box switch 121 was actuated) in the school. In the example of Figure 1, the other switch box is the second switch box 120. Next, the server processor 112 transmits data including the alarm activation signal to the server transceiver 111. The data including the alarm activation signal also includes an IP address of the second switch box 130. The IP address of the second switch box 130 is determined by the server processor 112 using the switch box IP address dataset (shown as 413 in

Figure 4). In an example, the IP address of the second switch box 130 is associated with the second switch box transceiver 132 of the second switch box 130. The server transceiver 111 transmits the alarm activation signal to the second switch box transceiver 132 over the network connection 161. More specifically, the server transceiver 111 transmits data containing the alarm activation signal to the IP address associated with the second switch box transceiver 132.

[0017] Upon receiving the alarm activation signal, the second switch box transceiver 132 sends the alarm activation signal to the second switch box alarm 135, which causes the second switch box alarm 135 to activate (e.g., the auditory horn of the second switch box alarm 135 produces an audio warning).

[0018] Further describing the operation, in response to receiving the switch activated signal from the first switch box 120, the server process 112 obtains a patch box IP address dataset (shown as 416 in Figure 4) containing IP addresses of all patch boxes located in the school in which the first switch box 120 is located. The server processor 112 is able to determine the patch box IP address of each patch box in the school from the patch box IP address dataset. In the example of Figure 1, there is one patch box 140. In other examples, there are multiple patch boxes at the school. The server processor 112 generates an open latch signal. Next, the server processor 112 sends data including the open latch signal to the server transceiver 111 for transmission to the patch box 140. The data including the open latch signal also includes a patch box IP address of the patch box 140, which is obtained by the server processor 112 from the patch box IP address dataset (shown as 416 in Figure 4). The server transceiver 111 transmits the open latch signal to the patch box transceiver 141. More specifically, the server transceiver 111 transmits data

containing the open latch signal to the patch box IP address associated with the patch box transceiver 141. Upon receiving the open latch signal, the patch box transceiver 141 sends the open latch signal to the patch box latch 142, which causes the patch box latch 142 to transition to an open position. The patch box latch 142 can move between a closed position and the open position. In the closed position, the patch box latch 142 covers the patch box 140 so that contents of the patch box 140 are inaccessible by users. When the patch box latch 142 is moved to the open position the patch box 140 is opened so that users are able to access the contents of the patch box 140.

[0019] Further describing the operation, in response to receiving the switch activated signal from the first switch box 120, the server processor 112 obtains, from the school subset 320, police department phone number data (shown as 411 in Figure 4) and police department prerecorded alarm message data (shown as 420 in Figure 4). The server processor 112 transmits data including the police department phone number 411 and the police department prerecorded alarm message 420 to the server transceiver 111. The server transceiver 111 dials the police department phone number 411 to establish a communication session with the police department communication system 150 (e.g., to establish a call with a phone of the police department communication system 150). Once the communication session is established with the police department communication system 150, the server transceiver 111 transmits data including the police department prerecorded alarm message 420 to the police department communication system 150, which plays the prerecorded alarm message 420. For example, the prerecorded alarm message 420 notifies the police that an emergency condition is present at the school.

[0020] In an alternative embodiment, the first switch box alarm 125 is a light that flashes.

[0021] In an alternative embodiment, the second switch box alarm 135 is a light that flashes.

[0022] In an alternative embodiment, there is more than one second switch box 130.

[0023] In an alternative embodiment, the first switch box transceiver 122 is a cellular transmitter. The first switch box transceiver 122 further includes a cellular receiver. The second switch box transceiver 132 is a cellular transmitter. The second switch box transceiver 132 further includes a cellular receiver.

[0024] In an alternative embodiment, the first switch box transceiver 122 includes the first switch box memory 124 and a processor. The second switch box transceiver 132 includes the second switch box memory 134 and a processor.

[0025] In an alternative embodiment, the police department communication system 150 is but not limited to a plurality of text messages transmitted to the all police officers associated with the police department.

[0026] Figure 2 illustrates a global positioning system (GPS) locator display system 200 according to an embodiment of the present invention. The GPS locator system display system 200 includes three main components: the server 110, an adhesive medical dressing 210, and a smart phone device 220. The adhesive medical dressing 210 is retrieved from the patch box 140 once the patch box latch 142 is transitioned to the open position and the patch box 140 is opened. The server 110 includes the server

transceiver 111, the server processor 112, and the server memory 113. The adhesive medical dressing 210 includes a medical dressing transceiver 211, a medical dressing GPS receiver 212, a medical dressing memory 213, an electrically isolating film 214, a removable adhesive covering film 215, and a medical dressing power source 216. The smart phone device 230 includes a smart phone transceiver 221, a smart phone processor 222, a smart phone GPS receiver 223, a mapping application program 224, an application user interface 225, a smart phone display 226, and a smart phone memory 227.

[0027] In a preferred embodiment of the GPS locator display system 200, the adhesive medical dressing 210 is in communication with the server 110 through a network connection 230. The server processor 112 is electrically coupled with the server transceiver 111. The server memory 113 is electrically coupled with the server processor 112. The server memory 113 is electrically coupled with the server transceiver 111.

[0028] In addition, the medical dressing transceiver 211 is electrically coupled with the medical dressing GPS receiver 212. The medical dressing transceiver 211 is electrically coupled with the medical dressing memory 213. The removable adhesive covering film 215 is physically connected to the removable electrically isolating film 214. The electrically isolating film 214 electrically isolates the medical dressing power source 216 on one side of the electrically isolating film 214, and the medical dressing transceiver 211, the medical dressing GPS receiver 212, and the medical dressing memory 213 on the other side of the electrically isolating film 214. In the preferred embodiment, the medical dressing power source 216 is a battery. The removal of the removable electrically isolating film 214 electrically connects the medical dressing power source 216 to the medical dressing transceiver 211. The removal of the removable

electrically isolating film 214 electrically connects the medical dressing power source 216 to the medical dressing GPS receiver 212 and to the medical dressing memory 213.

[0029] In addition, the server 110 is in communication with the smart phone device 220 through network connection 231. The smart phone transceiver 221 is electrically coupled with the smart phone processor 222. The smart phone transceiver 221 is electrically coupled with the smart phone GPS receiver 223. The smart phone processor 222 is electrically coupled with the smart phone display 226. The mapping application program 224 executes on the smart phone processor 222. The mapping application program 224 when executed can cause display of the application user interface 225 in the smart phone display 226 of the smart phone device 220. The smart phone memory 227 is electrically coupled with the smart phone transceiver 221. The smart phone memory 227 is electrically coupled with the smart phone processor 222. The smart phone memory 227 is electrically coupled with the smart phone GPS receiver 223.

[0030] An operation of the GPS locator display system 200 involves three main components: the server 110, the adhesive medical dressing 210, and the smart phone device 220. The removal of the removable adhesive covering film 215 by a user also removes the removable electrically isolating film 214. When the removable electrically isolating film 214 is removed, the medical dressing power source 216 electrically powers the medical dressing transceiver 211, the medical dressing GPS receiver 212, and the medical dressing memory 213. Once the medical dressing transceiver 211 is electrically connected to the medical dressing power source 216, GPS location data is sent from the medical dressing GPS receiver 212 to the medical dressing transceiver 211.

[0031] Once the medical dressing transceiver 211 is electrically connected to the medical dressing power source 216, the medical dressing transceiver 211 retrieves the unique ID of the adhesive medical dressing 210 and an IP address of the server 110 from the medical dressing memory 213. Next, the medical dressing transceiver 211 transmits data including the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the server transceiver 111. More specifically, the medical dressing transceiver 211 transmits the data containing the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the IP address associated with the server transceiver 111.

[0032] The server transceiver 111 sends the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the server processor 112. The server processor 112 retrieves the school dataset 115 stored in the data structure 114 of the server memory 113. The server processor 112 compares the unique ID of the adhesive medical dressing 210 to an adhesive medical dressing ID dataset (shown as 418 in Figure 4) of the school subset 320 stored in the school dataset 115. This comparison identifies an entry in the adhesive medical dressing ID dataset 418 that contains the unique ID of the adhesive medical dressing 210. Next, the server processor 112 associates the GPS coordinate of the adhesive medical dressing 210 with the unique ID in the identified entry of the adhesive medical dressing ID dataset 418. Then, the server processor 112 transmits the GPS location data of the adhesive medical dressing 210 to the server memory 113. The server memory 113 stores the GPS location data of the adhesive medical dressing 210 in an adhesive medical dressing GPS location dataset (shown as 419 in Figure 4).

[0033] Further describing the operation, when a user activates the mapping application program 224 in the smart phone device 220, the mapping application program 224 ~~executes on the smart phone processor 222, which~~ causes the smart phone processor 222 to retrieve GPS location data of the smart phone device 220 from the smart phone GPS receiver 223. The mapping application program 224 ~~executes on the smart phone processor 222 to~~ retrieve the IP address of the server 110 and an IP address of the smart phone device 220 from the smart phone memory 227. Next, the smart phone processor 222 sends data including the GPS location data of the smart phone device 220, the IP address of the server 110, and the IP address of the smart phone device 220 to the smart phone transceiver 221. The smart phone transceiver 221 transmits data including the GPS location data and the IP address of the smart phone device 220 of the smart phone device 220 to the IP address associated with the server transceiver 113 of the data server 110. In response to receiving the data including the GPS location data and the IP address of the smart phone device 220 of the smart phone device 220, the server transceiver 111 sends the GPS location data of the smart phone device 220 and the IP address of the smart phone device 220 to the server processor 112. The server processor associates the GPS location data of the smart phone device 220 with the IP address of the smart phone device 220.

[0034] Further describing the operation, once the server processor 112 receives the GPS location data of the adhesive medical dressing 210 and the GPS location data of the smart phone device 220, the server processor 112 calculates a displacement in units of miles, for example, between the GPS location data of the adhesive medical dressing 210 and the GPS location data of the smart phone device 220 by using the Pythagorean

Theorem. The server processor 112 determines if the calculated displacement is less than or equal to two miles (or another threshold). When the displacement is less than or equal to two miles (or another threshold), the server processor 112 transmits the unique ID of the adhesive medical dressing 210, the GPS location data of the adhesive medical dressing 210, and the IP address data of the smart phone device 220 to the server transceiver 111. The server transceiver 111 transmits data including the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the smart phone transceiver 221 associated with the IP address data of the smart phone device 220.

[0035] Further describing the operation, the smart phone transceiver 221 sends the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to smart phone processor 222. The ~~mapping application program 224 executing on the~~ smart phone processor 222 receives the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210. The ~~mapping application program~~ presents the application user interface 225 on the smart phone display 226. The ~~mapping application program~~ displays a representation of the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 on the application user interface 225 on the smart phone display 226 (further discussed in Figure 8).

[0036] Further describing the operation, the ~~mapping application program 224 executing on the smart phone processor 222 causes~~ the smart phone processor 222 ~~to~~ retrieve the GPS location data of the smart phone device 222 from the smart phone GPS receiver 223. The ~~mapping application program~~ displays a representation of the GPS

location data of the smart phone device 222 on the application user interface 225 on the smart phone display 226 (further discussed in Figure 8).

[0037] In an alternative embodiment of the GPS locator display system 200, there is more than one adhesive medical dressing 210.

[0038] In an alternative embodiment of the adhesive medical dressing 210, the medical dressing transceiver 211 is a transmitter. The medical dressing transceiver 211 further includes a receiver.

[0039] In an alternative embodiment of the adhesive medical dressing 210, the medical dressing transceiver 211 includes the medical dressing memory 213 and a processor.

[0040] In an alternative embodiment of the GPS locator display system 200, there is more than one smart phone device 220.

[0041] In an alternative embodiment of the GPS locator display system 200, the smart phone display 226 is part of an augmented reality system. The augmented reality system displays both real world objects and further information in the smart phone display 226.

[0042] Figure 3 illustrates the components of the server memory 113 according to an embodiment of the present invention. The server memory 113 stores the data structure 114. The data structure 114 includes the school dataset 115. The school dataset includes a school subset 320. In the preferred embodiment, the school dataset 115 includes a number of school subsets for users of the alarm notification system 100 and GPS locator display system 200. The school subset 320 includes the following items: a location of

each individual school has its own school subset

school data 410, the police department phone number data 411, the police department prerecorded alarm message data 420, a switch box unique ID dataset 412, the switch box IP address dataset 413, a switch box power source dataset 414, a patch box unique ID dataset 415, the patch box IP address dataset 416, a patch box power source dataset 417, the adhesive medical dressing ID dataset 418, and the adhesive medical dressing GPS location dataset 419. The school subset 320 includes information affiliated with a school.

[0043] In the preferred embodiment, the location of school data 410 includes data representing the physical address of the school. The police department phone number data 411 includes data representing the phone number of a police department affiliated with the school. In the preferred embodiment, the police department phone number data 411 includes at least one phone number. The police department prerecorded alarm message data 420 includes data representing an alarm message. In the preferred embodiment, the alarm message includes an identification of the school, the school address location, and a message specifying that a shooting alarm has activated.

[0044] The switch box unique ID dataset 412 includes data representing the unique IDs of every switch box located in the school. The switch box IP address dataset 413 includes data representing the IP address of each unique ID in the switch box unique ID dataset 412. The patch box unique ID dataset 415 includes data representing the unique IDs of every patch box located in the school. The patch box IP address dataset 416 includes data representing the IP address of each unique ID in the patch box unique ID dataset 415. The adhesive medical dressing ID dataset 418 includes data representing the unique IDs of every adhesive medical dressing located in the school. The adhesive medical dressing GPS location dataset 419 includes data representing the GPS location

data of each adhesive medical dressing in the adhesive medical dressing ID dataset 418. In the preferred embodiment, the GPS location data is coordinate data including: the longitude coordinate, the latitude coordinate, and the elevation data.

[0045] In addition, the switch box power source dataset 414 includes data representing a power source level associated with each unique ID in the switch box unique ID dataset 412. In the preferred embodiment, each of the first switch box power source 126 and the second switch box power source 136 is a battery. In the preferred embodiment, the power source level is a percentage of the amount of power left in the switch box power source. The patch box power source dataset 414 includes data representing a power source level of each unique ID in the patch box unique ID dataset 412. In the preferred embodiment, the patch box power source 144 is a battery. In the preferred embodiment, the power source level in the patch box power source dataset 414 is a percentage of the amount of power left in the patch box power source 144. The power source data table 421 includes data representing the IP address of a power supply replacement firm and data representing a message that the power source is to be replaced.

[0046] In operation, when a switch activated signal encoded with the unique ID data of the first switch box 120 is received by the server processor 112, the server processor 112 retrieves the school dataset 115. The server processor 112 compares the unique ID data of the first switch box 120 with the switch box unique ID dataset 412 of a school subset 320 of the school dataset 115 to determine the school subset 320 that stores an identical unique ID. Then, the server processor 112 retrieves the IP address data of all switch boxes affiliated with the school subset 320 from the switch box IP address dataset 413. The server processor 112 converts the switch activated signal to an alarm activation

signal as described in connection with Figure 1. The server processor 112 transmits the switch box IP address data and the alarm activation signal to the server transceiver 111.

[0047] In a similar process, once the server processor 112 identifies the school subset 320 storing the unique ID data of the first switch box 120, the server processor 112 retrieves the IP address data of all patch boxes affiliated with the school subset 320 from the patch box IP address dataset 416. The server processor 112 converts the switch activated signal to latch open signal as described in connection with Figure 1. The server processor 112 transmits the patch box IP address data and the latch open signal to the server transceiver 111.

[0048] In a similar process, once the server processor 112 identifies the school subset 320 storing the unique ID data of the first switch box 120, the server processor 112 retrieves the phone number data of all police department communication systems 150 affiliated with the school subset 320 from the police department phone number data 411. The process server retrieves the alarm message data from the police department prerecorded alarm message data 420. The server processor 112 transmits the phone number data and the alarm message data to the server transceiver 111.

[0049] Further describing the operation, in an alternative embodiment, once the server processor 112 receives the unique ID data of an adhesive medical dressing 210, the GPS location data of the adhesive medical dressing 210, the IP address data of a smart phone device 220, and the GPS location data of the smart phone device 220, the server processor 112 calculates the displacement in kilometers between the GPS location data of the adhesive medical dressing 210 and the GPS location data of the smart phone device 220 by using the haversine formula. Then the server processor 112 converts the units of

the displacement from kilometers to miles by multiplying the displacement in kilometers by 0.6213. The server processor 112 compares the value of the displacement in miles to a fixed value. In the preferred embodiment, the fixed value is two. When the value of the displacement is less than or equal to two, the server processor 112 transmits the unique ID data of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the server transceiver 221.

[0050] Further describing the operation, once the server processor 112 receives the unique ID data of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210, the server processor 112 retrieves the school dataset 115. The server processor 112 compares the switch box unique ID dataset 412 of a school subset 320 of the school dataset 115 with the unique ID data of the adhesive medical dressing 210 to determine the school subset 320 that stores an identical unique ID. Then, server processor 112 transmits the unique ID data of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the server memory 113. The server memory 113 stores the GPS location data of the adhesive medical dressing 210 in the adhesive medical dressing GPS location dataset 419.

[0051] Further describing the operation, when the server processor 112 receives the unique ID data of the first switch box 120 and the power source level data of the first switch box 120, the server processor 112 compares the value of the power source level data to a threshold value. When the value of the power source level data of the first switch box 120 is less than the threshold value, the server processor 112 retrieves the IP address data of a power supply replacement firm and data representing a message that the power source is to be replaced from the power source data table 421. The server

processor 112 transmits the IP address data of a power supply replacement firm and data representing a message that the power source is to be replaced to the server transceiver 111.

[0052] Further describing the operation, when the server processor 112 receives the unique ID data of the first switch box 120 and the power source level data of the first switch box 120, the server processor 112 retrieves the school dataset 115. The server processor 112 compares the switch box unique ID dataset 412 of a school subset 320 of the school dataset 115 with the unique ID data of the first switch box 120 to determine the school subset 320 that stores an identical unique ID. Then, server processor 112 transmits the unique ID data of the first switch box 120 and the power source level of the first switch box 120 to the server memory 113. The server memory 113 stores power source level of the first switch box 120 in the switch box power source dataset 414.

[0053] In an alternative embodiment, there are more than two switch boxes.

[0054] In an alternative embodiment, there is more than one school subset 320.

[0055] In an alternative embodiment, the school dataset 115 is but not limited to school buildings.

[0056] Figure 4 illustrates an adhesive medical dressing 210 according to an embodiment of the present invention. The adhesive medical dressing 210 includes an adhesive 510, the medical dressing transceiver 211, the medical dressing GPS receiver 212, the medical dressing memory 213, the electrically isolating film 214, the removable adhesive covering film 215, and the medical dressing power source 216.

[0057] In the preferred embodiment, as described in Figure 2, the medical dressing transceiver 211 is electrically coupled with the medical dressing GPS receiver 212. The medical dressing transceiver 211 is electrically coupled with the medical dressing memory 213. The adhesive 520 is physically connected with the removable adhesive covering film 215. In the preferred embodiment, the adhesive 520 is medical grade hydrogel. The removable adhesive covering film 215 is physically adhered to the removable electrically isolating film 214. The electrically isolating film 214 electrically isolates the medical dressing power source 216 on one side and the medical dressing transceiver 211, the medical dressing GPS receiver 212, and the medical dressing memory 213 on the other side. In the preferred embodiment, the medical dressing power source 216 is a battery. The removal of the removable electrically isolating film 214 electrically connects the medical dressing power source 216 to the medical dressing transceiver 211.

[0058] In operation, when the removable adhesive covering film 215 is removed by a user, the removable electrically isolating film 214 is removed. The removal of the removable electrically isolating film 214 electrically connects the medical dressing power source 216 to the medical dressing transceiver 211, the medical dressing GPS receiver 212 and the medical dressing memory 213. When the medical dressing transceiver 211, the medical dressing GPS receiver 212, and the medical dressing memory 213 are electrically powered by the power source 216, the medical dressing transceiver 211 retrieves GPS location data from the medical dressing GPS receiver 212. Next, the medical dressing transceiver 211 retrieves the unique ID data of the adhesive medical dressing 210 and the IP address data of the server 110 from the medical dressing memory

213. The medical dressing transceiver 211 transmits data including the unique ID of the adhesive medical dressing 210 to the server 110 associated with the IP address (further described in Figure 2).

[0059] Further describing the operation, when the user removes the removable adhesive covering film 215, the user attaches the adhesive 510 to the user's body.

[0060] In an alternative embodiment, the power source 216 is a powerline.

[0061] In an alternative embodiment, the adhesive 520 is but not limited to medical grade synthetic rubber.

[0062] In an alternative embodiment, the adhesive 520 is but not limited to medical grade acrylic.

[0063] In an alternative embodiment, the medical dressing transceiver 211 is a transmitter. The medical dressing transceiver 211 further includes a receiver.

[0064] In an alternative embodiment, the medical dressing transceiver 211 is a cellular transmitter. The adhesive medical dressing 210 further includes a cellular receiver.

[0065] Figure 5 is a side view of an adhesive medical dressing 210 according to an embodiment of the present invention. Figure 6 is a top view of the adhesive medical dressing 210 according to an embodiment of the present invention. As shown in Figures 5 and 6, the adhesive medical dressing 210 includes an electrically isolating film 214 and a removable adhesive covering film 215.

[0066] In the preferred embodiment, the medical dressing transceiver 211 is electrically coupled with the medical dressing memory 213. The adhesive 520 is

physically connected with the removable adhesive covering film 215. In the preferred embodiment, the adhesive 520 is medical grade hydrogel. The removable adhesive covering film 215 is physically adhered to the removable electrically isolating film 214. The electrically isolating film 214 electrically isolates the medical dressing power source 216 on one side and the medical dressing transceiver 211, the medical dressing GPS receiver 212, and the medical dressing memory 213 on the other side.

[0067] In operation, the removal of the removable adhesive covering film 215 by a user removes the removable electrically isolating film 214 from the adhesive medical dressing 210. As described in connection with Figure 4, the removal of the removable electrically isolating film 214 electrically connects the medical dressing power source 216 to a medical dressing transceiver 211, a medical dressing GPS receiver 212, and an medical dressing memory 213.

[0068] In an alternative embodiment, the removable electrically isolating film 214 and the removable adhesive covering film 215 are not physically adhered.

[0069] Figure 7 illustrates a patch box 140 according to an embodiment of the invention. The patch box 140 includes the patch box transceiver 141, the patch box latch 142, the patch box memory 143, the patch box power source 144, and the plurality of adhesive medical dressings 210.

[0070] In the preferred embodiment, the patch box 140 is in communications with the server 110 through network connection 162. The patch box transceiver 141 is electrically coupled with the patch box latch 142. The patch box transceiver 141 is electrically coupled the patch box memory 143. The patch box transceiver 141 is electrically coupled with the patch box power source 144. The patch box memory 144 is

electrically coupled with the patch box power source 144. In the preferred embodiment, the power source 144 is a battery. The plurality of adhesive medical dressings 210 are located inside of the patch box 140. In the preferred embodiment, the patch box latch 142 seals the patch box 140 by attaching to the patch box 140 with a lock.

[0071] In operation, the patch box transceiver 141 receives an open latch signal from the server transceiver 111 (as described in Figure 1). The patch box transceiver 141 transmits the open latch signal to the patch box latch 142. When the patch box latch 142 receives the open latch signal, the patch box latch 142 detaches from the patch box 140 by unlocking.

[0072] Further describing the operation, the patch box transceiver 141 retrieves unique ID data of the patch box 140 and IP address data of the server 110 from the patch box memory 143. The patch box transceiver 141 retrieves power source level data of the patch box power source 144 from the patch box power source 144. The patch box transceiver 141 transmits data including the unique ID data of the patch box 140 and the power source level data of the patch box power source 144 to the server 110 associated with the IP address (as described in Figure 1).

[0073] In an alternative embodiment, the patch box transceiver 141 is a cellular transmitter. The patch box 140 further includes a cellular receiver.

[0074] In an alternative embodiment, the patch box transceiver 141 includes the patch box memory 143 and a processor.

[0075] Figure 8 illustrates the components of the mapping application program 224 according to an embodiment of the current invention. The mapping application

program includes a smart phone device 220, an application user interface 225, and a smart phone display 226. The application user interface 225 includes a map 810, a first dressing user location 811, a second dressing user location 812, a third dressing user location 813, a school location 815, an app user location 820, and a GPS tracker data table 830. The GPS tracker data table 830 includes dressing unique ID data 840, distance data 850, and elevation data 860.

[0076] In the preferred embodiment, the mapping application program 224 executes on the smart phone processor 222. The mapping application program 224 when executed can cause display of the application user interface 225 in the smart phone display 226 of the smart phone device 220. The mapping application program 224 when executed displays on the application user interface 225, the map 810, the first dressing user location 811, the second dressing user location 812, the third dressing user location 813, a school location 815, the app user location 820, and the GPS tracker data table 830. In the preferred embodiment of the GPS tracker data table 830, the distance data 850 is in meters and the elevation data 860 is in meters.

[0077] In the preferred embodiment, the application user interface 225 displays the app user location 820 relative to the first dressing user location 811, the second dressing user location 812, the third dressing user location 813. The mapping in the application user interface 225 of the mapping application program 224 is coded by an upload of a detailed structural map of a school and an upload of GPS data for six surfaces in any interior room of the school.

[0078] In operation, the smart phone transceiver 221 receives the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical

dressing 210 from the server transceiver 111. Then, smart phone transceiver 221 transmits the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to smart phone processor 222. The ~~mapping application program 224 executing on the~~ smart phone processor 222 receives the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210. The mapping application program presents the application user interface 225 on the smart phone display 226. The mapping application program displays a representation of the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 on the application user interface 225 on the smart phone display 226. In the present embodiment, the GPs location data of the adhesive medical dressing 210 are represented by the first dressing user location 811, the second dressing user location 812, and the third dressing user location 813.

[0079] In an alternative embodiment, there is more than one app user location 820 displaying the location of a plurality of app users.

[0080] In an alternative embodiment, the application user interface 225 is displayed on an augmented reality glasses display. The augmented reality glasses include a full color see through display, a high-definition camera, a processor, a transceiver, a memory, a GPS receiver, a touchpad, and an internal power source. In the alternative embodiment, the internal power source is a battery.

[0081] Figure 9 illustrates a flowchart 900 of a process for activating an alarm notification system 100.

[0082] At the first step 910, a user pulls a first switch box switch 121 on a first switch box 120. When the first switch box switch 121 is pulled, at step 912, the first

switch box switch 121 generates a switch activated signal. Next, at step 915, the first switch box switch 121 transmits the switch activated signal to the first switch box alarm 125. Upon receiving the switch activated signal, at step 918, the first switch box alarm 125 actuates. In the preferred embodiment, the first switch box alarm 125 is an auditory horn alarm.

[0083] Upon the generation of the switch activated signal, at step 920, the first switch box switch 121 transmits the switch activated signal to the first switch box transceiver 122. Upon receiving the switch activated signal, at step 923, the first switch box transceiver 122 retrieves the unique ID data of the first switch box 120 and the IP address data of the server 110 from the first switch box memory 124. Next, at step 926, the first switch box transceiver 122 transmits the unique ID data of the first switch box 120 and the switch activated signal to the server transceiver 111 associated with the IP address of the server 110. Then, at step 929, the server transceiver 111 transmits the unique ID data and the switch activated signal of the first switch box 120 to the server processor 112. At step 932, the server processor 112 retrieves the school dataset 115 from the server memory 113. At step 935, the server processor 112 determines the school subset 320 affiliated with the unique ID data of the first switch box 120 by comparing the unique ID data of the first switch box 120 with the switch box unique ID dataset 412 of the school subset 320.

[0084] Upon determination of the school subset 320, at step 940, the server processor 112 retrieves the switch box IP address data 412 of the school subset 320 from the server memory 113. In the preferred embodiment, the IP address data of the second switch box 130 is stored in the switch box IP address data 412 of the school subset 320.

At step 943, the server processor 112 generates an alarm activation signal. In the preferred embodiment the alarm activation signal actuates alarms of a switch box. Then, at step 946, the server processor 112 transmits the alarm activation signal and the data from the switch box IP address data 412 to the server transceiver 111. Next, at step 949, the server transceiver 111 transmits the alarm activation signal to the second switch box transceiver 132 associated with the IP second of the second switch box 130. At step 952, the second switch box transceiver 132 transmits the alarm activation signal to the second switch box alarm 135. Upon receiving the switch activated signal, at step 955, the first switch box alarm 125 actuates. In the preferred embodiment, the second switch box alarm 135 is an auditory horn alarm.

[0085] Upon determination of the school subset 320, at step 960, the server processor 112 retrieves the police department phone number data 411 and the police department prerecorded alarm message data 420 of the school subset 320 from the server memory 113. Then, at step 963, the server processor 112 transmits the data from the police department phone number data 411 and the police department prerecorded alarm message data 420 of the school subset 320 to the server transceiver 111. Upon receiving the data from the police department phone number data 411 and the police department prerecorded alarm message data 420, at step at step 966, the server transceiver 111 transmits the data from the police department prerecorded alarm message data 420 to the police department communication system 150 by calling the police station phone number.

[0086] Upon determination of the school subset 320, at step 970, the server processor 112 retrieves the data of the patch box IP address data 416 stored in the school subset 320 from the server memory 113. In the preferred embodiment, the IP address data

of the second switch box 130 is stored in the patch box IP address data 416 of the school subset 320. At step 973, the server processor 112 generates an open latch signal. In the preferred embodiment, the open latch signal actuates the unlocking of a patch box latch 142. Then, at step 976, the server processor 112 transmits the open latch signal and the data from the patch box IP address data 416 to the server transceiver 111. Next, at step 979, the server transceiver 111 transmits the open latch signal to the patch box transceiver 141 affiliated with the IP address of the patch box 140. At step 982, the patch box transceiver 111 transmits the open latch signal to the patch box latch 142. Upon receiving the open latch signal, at step 985, the path box latch 142 opens, resulting in the plurality adhesive medical dressing 210, as described in Figure 7, to become available to a user.

[0087] Figure 10 illustrates a flowchart 1000 of a process for displaying the GPS location data of the adhesive medical dressing 210 on the application user interface 225 of the smart phone display 226.

[0088] At the first step 1010, a user of the adhesive medical dressing 210 removes the removable adhesive covering film 215. Next, at step 1015, the medical dressing transceiver 211 retrieves the unique ID data of the adhesive medical dressing 210 and the server IP address data of the server 110 from the medical dressing memory 213 and the GPS coordinate data of the adhesive medical dressing 210 from the medical dressing GPS receiver 212. Then, at 1020, the medical dressing transceiver 211 transmits the unique ID data of the adhesive medical dressing 210 and GPS coordinate data of the adhesive medical dressing 210 to the server transceiver 111 that is associated with the IP address of the server 110. Upon receiving the unique ID data of the adhesive medical

dressing 210 and GPS coordinate data of the adhesive medical dressing 210, at step 1025, the server transceiver 111 transmits the unique ID data of the adhesive medical dressing 210 and GPS coordinate data of the adhesive medical dressing 210 to the server processor 112.

[0089] At another first step 1008, mapping application program 224 is activated by a user of the smart phone device 220. Upon activation of the mapping application program 224, at step 1013, the mapping application program 224 sends an application activation signal to the smart phone processor 222. Upon receiving the application activation signal, at step 1018, the smart phone processor 222 retrieves GPS location data of the smart phone device 220 from the smart phone GPS receiver 223, IP address data of the smart phone device 220 from the smart phone memory 227 and the IP address of the server 110 from the mapping application program 224. Next, at step 1023, the smart phone processor 222 transmits the GPS location data of the smart phone device 220 and the IP address data of the smart phone device 220 to the smart phone transceiver 221. Then, at step 1028, the smart phone transceiver 221 transmits the GPS location data of the smart phone device 220 and the IP address data of the smart phone device 220 to the server transceiver 111. After, at step 1030, the server transceiver 111 transmits the GPS location data of the smart phone device 220 and the IP address data of the smart phone device 220 to the server processor 112.

[0090] Upon receiving the unique ID data of the adhesive medical dressing 210, the GPS location data of the adhesive medical dressing 210, and the GPS location data of the smart phone device 230, at step 1033, the server processor 112 determines a distance data in units of miles by calculating the displacement between the GPS location data of

the adhesive medical dressing 210 and the GPS location data of the smart phone device 230. Next, at step 1035, the server processor 112 compares the distance data to a fixed value. In the preferred embodiment, the fixed value is two. Then, the process proceeds to step 1050.

[0091] At step 1050, when the distance data is less than or equal to the fixed value, the process proceeds to step 1070. At step 1050, when the distance data is not less than or equal to the fixed value, the process proceeds to step 1060. At step 1070, the server processor 112 transmits the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the server transceiver 111. At step 1060, the server processor 112 does not transmits the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the server transceiver 111.

[0092] Upon receiving the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210, at step 1080, the server transceiver 111 transmits the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the smart phone transceiver 221. Next, at step 1082, the smart phone transceiver 221 transmits the unique ID of the adhesive medical dressing 210 and the GPS location data of the adhesive medical dressing 210 to the smart phone processor 222. At step 1084, the smart phone processor 222 retrieves the GPS location data of the smart phone device 220 from the smart phone GPS receiver 223. Then, at step 1086, the smart phone processor transmits the unique ID of the adhesive medical dressing 210, the GPS location data of the adhesive medical dressing 210, and the GPS location data of the smart phone device 220 to the mapping

application program 224. At step 1088, the mapping application program 224 displays unique ID data of the adhesive medical dressing 210, the GPS location data of the adhesive medical dressing 210, and the GPS location data of the smart phone device 220 to the application user interface 225 on the smart phone display 226.

[Validate invention – remind the reader of the shortcomings of the prior art that you pointed out in the Background section and explicitly explain how your invention corrects the defects in the prior art]

[0093] While particular elements, embodiments, and applications of the present invention have been shown and described, it is understood that the invention is not limited thereto because modifications may be made by those skilled in the art, particularly in light of the foregoing teaching. It is therefore contemplated by the appended claims to cover such modifications and incorporate those features which come within the spirit and scope of the invention.

CLAIMS

structure OK — note, your claim does not actually transmit anything.

1. An adhesive medical dressing comprising:

an adhesive for adhering to a user of said adhesive medical dressing;

a global positioning system (GPS) receiver detecting data representing a current location of said adhesive medical dressing; and

a cellular transmitter receiving said GPS location data for transmission, wherein said GPS receiver and said cellular transmitter are attached to said adhesive.

2. The adhesive medical dressing of claim 1, further comprising a memory storing data representing a unique identification (ID) of said adhesive medical dressing.

3. The adhesive medical dressing of claim 1, further comprising a battery powering said cellular transmitter and said GPS receiver.

4. The adhesive medical dressing of claim 3, further comprising a removable layer, wherein said battery is located on one side of said removable layer and said cellular transmitter and said GPS receiver are locate on another side of said removable layer.

5. The adhesive medical dressing of claim 4, wherein said removable layer electrically isolates said battery from said cellular transmitter and said GPS receiver prior to removal of said removable layer.

6. The adhesive medical dressing of claim 5, wherein a removal of said removable layer electrically connects said battery to said cellular transmitter and said GPS receiver.

7. The adhesive medical dressing of claim 1, wherein said adhesive includes a medical grade hydrogel.

8. The adhesive medical dressing of claim 4, further comprising an adhesive covering film attaching to said adhesive, wherein said adhesive covering film is attached to said removable layer.

9. A method comprising:

electrically connecting a global positioning system (GPS) receiver and a cellular transmitter of an adhesive medical dressing by removal of a removable layer, wherein said GPS receiver, said cellular transmitter, and said removable layer are attached to said adhesive medical dressing;

detecting data representing a location of said adhesive medical dressing by a GPS receiver;

retrieving said GPS location data from said GPS receiver by said cellular transmitter; and

transmitting said GPS location data to server from said cellular transmitter to a server.

10. The method of claim 9, further comprising storing, in a memory on said adhesive medical dressing, unique identification (ID) data of said adhesive medical dressing.

11. The method of claim 10, further comprising transmitting said unique ID data from said cellular transmitter to said server.

12. The method of claim 11, further comprising storing internet protocol (IP) address data of said server in said memory.

13. The method claim 12, wherein said transmitting said unique unit ID data comprises transmitting said unique ID data to said IP address.

14. The method of claim 9, further comprising receiving, at a user device from said server, information of a location of said adhesive medical dressing.

15. The method of claim 14, further comprising displaying, at a display of said user device, a representation of said location of said bandage.

16. A system comprising:

an adhesive medical dressing including a global position system (GPS) receiver, a cellular transmitter, and a memory, wherein said GPS receiver detects data representing the location of the adhesive medical dressing, wherein said memory stores a unique identification (ID) of said adhesive medical dressing;

a display device including a display device GPS receiver, a display device transmitter, a display device receiver, and a display, wherein said display device GPS receiver detects data representing the location of said display device, wherein said display device transmitter transmits data representing the GPS location of said display device, wherein said display device receiver receives data representing the GPS location of said adhesive medical dressing, wherein said display displays the location of data representing the GPS location of said adhesive medical dressing and data representing the GPS location of said display device; and

a server including a server memory, a server receiver, and server processor, and a server transmitter, wherein said server a memory stores a data structure comprising data representing a plurality of unique IDs, wherein said server receiver receives data representing the GPS location and unique ID of said adhesive medical dressing, wherein said processor compares said unique ID of said adhesive medical dressing to the plurality of unique IDs stored in said server memory, wherein said processor calculates the

displacement between the GPS location of said adhesive medical dressing and the GPS location of said display device, wherein said server transmitter transmits said data representing the GPS location of said adhesive medical dressing to said display device.

17. The system of claim 16, further comprising of a plurality of adhesive medical dressings and a user of each said plurality of adhesive medical dressings.

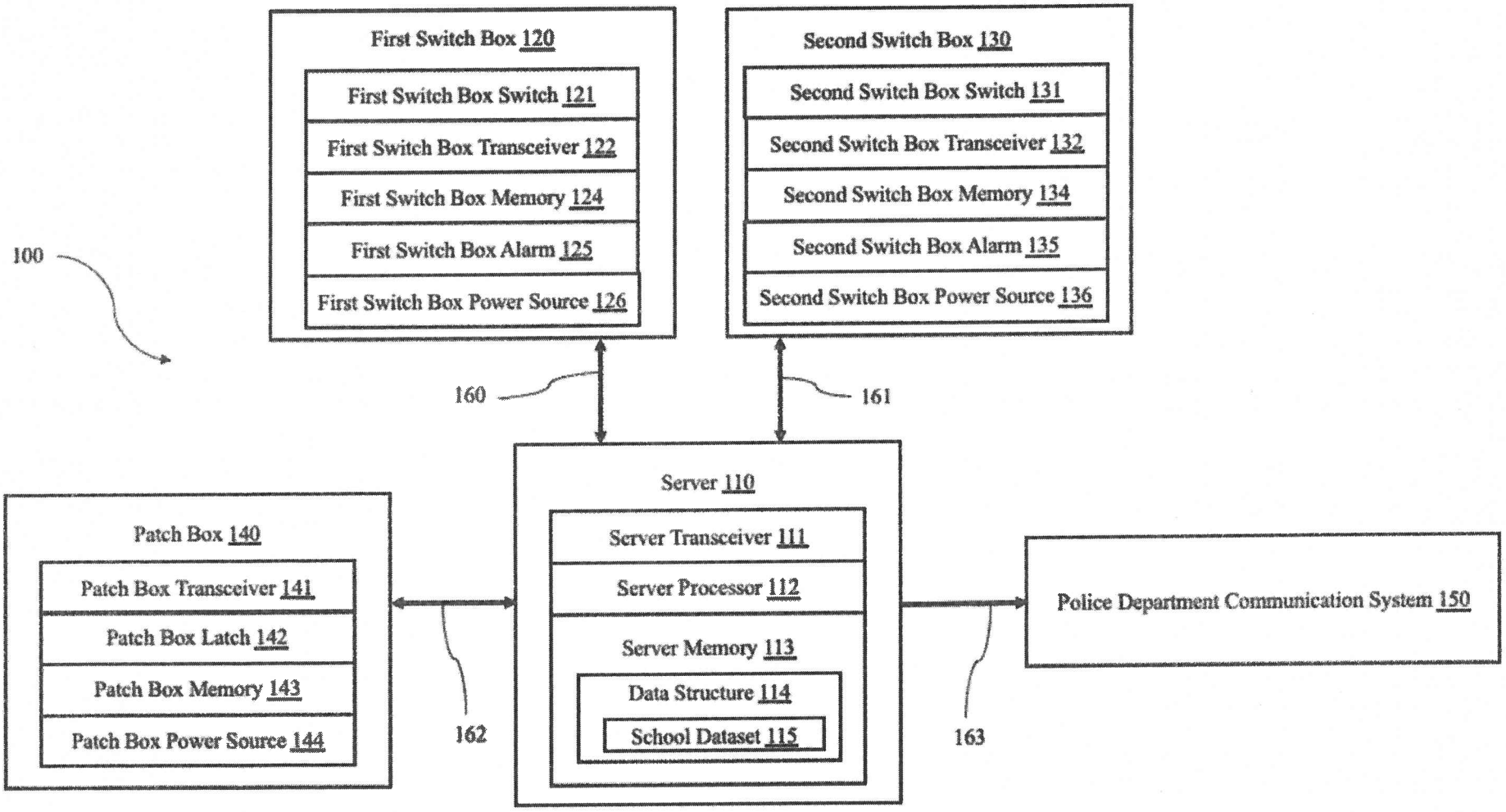
18. The system of claim 18, further comprising a plurality of display devices and a user of each said plurality of display devices.

19. The system of claim 19, wherein said displacement calculation is in units of miles.

ABSTRACT

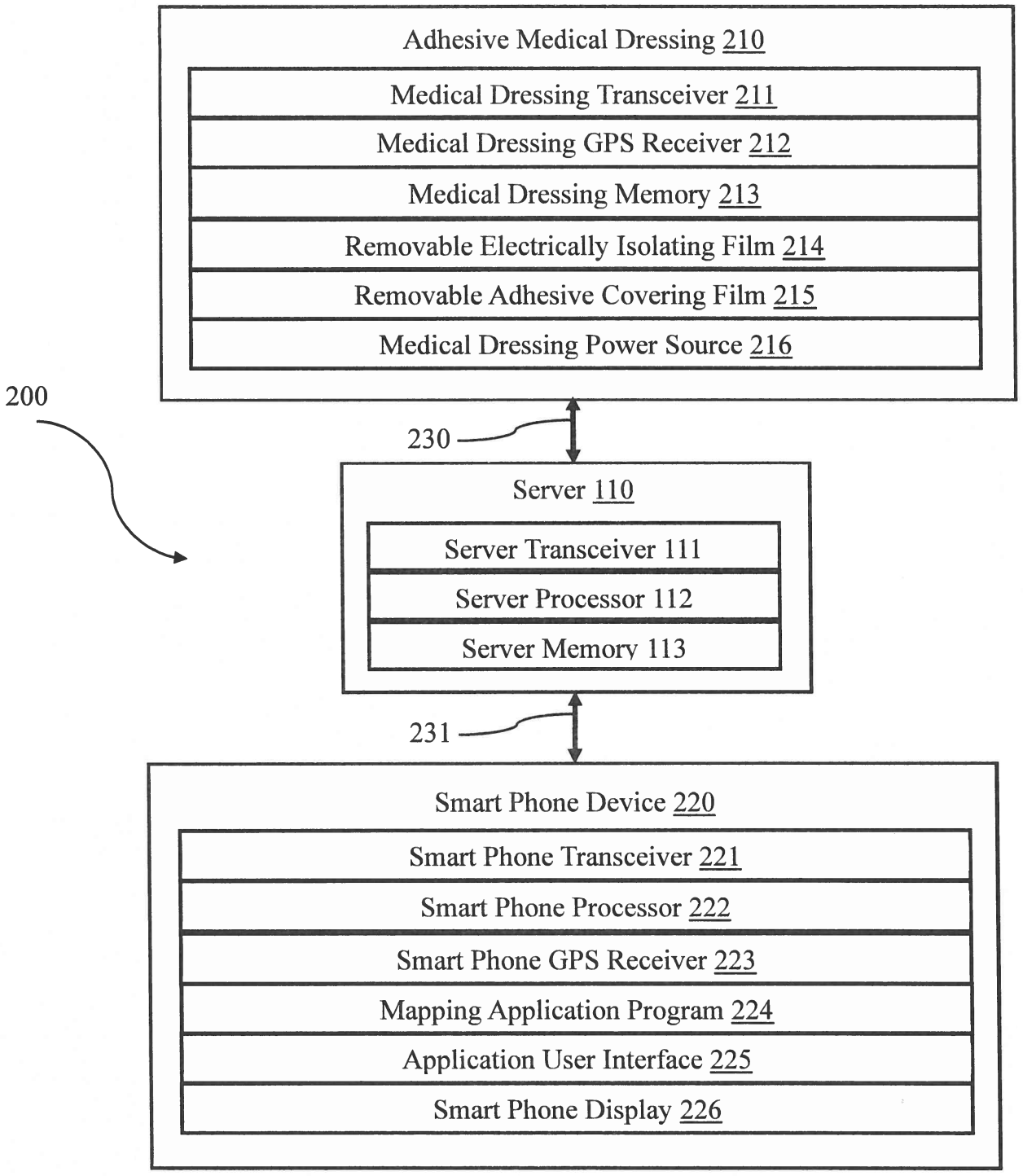
A [method and/or system] is provided which [describe invention as claimed]

Figure 1



Student No. 8888

Figure 2


Adhesive Medical Dressing 210
Medical Dressing Transceiver 211
Medical Dressing GPS Receiver 212
Medical Dressing Memory 213
Removable Electrically Isolating Film 214
Removable Adhesive Covering Film 215
Medical Dressing Power Source 216
200
230
Server 110
Server Transceiver 111
Server Processor 112
Server Memory 113
231
Smart Phone Device 220
Smart Phone Transceiver 221
Smart Phone Processor 222
Smart Phone GPS Receiver 223
Mapping Application Program 224
Application User Interface 225
Smart Phone Display 226

Student No. 8888

Figure 3

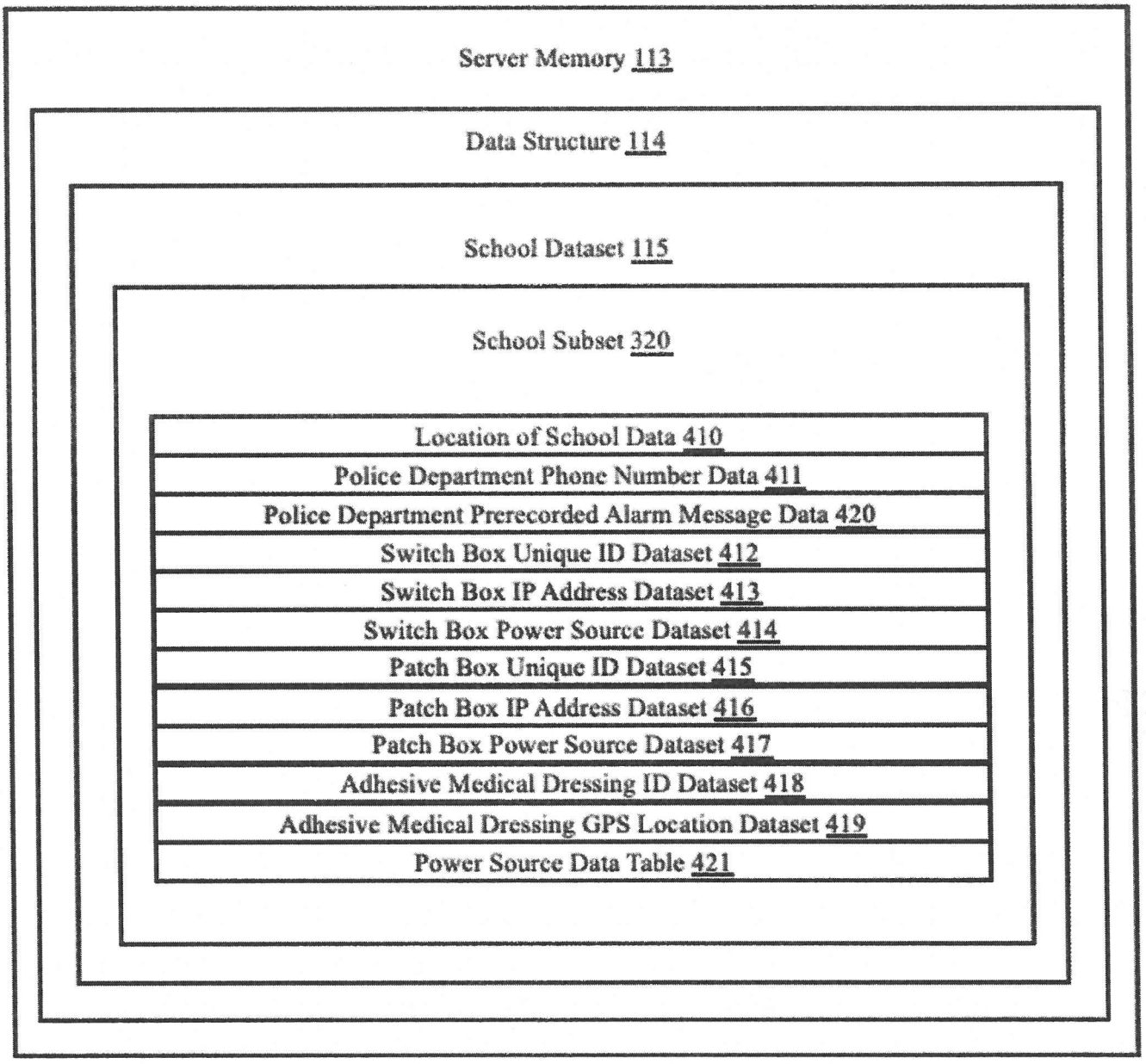


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Figure 4

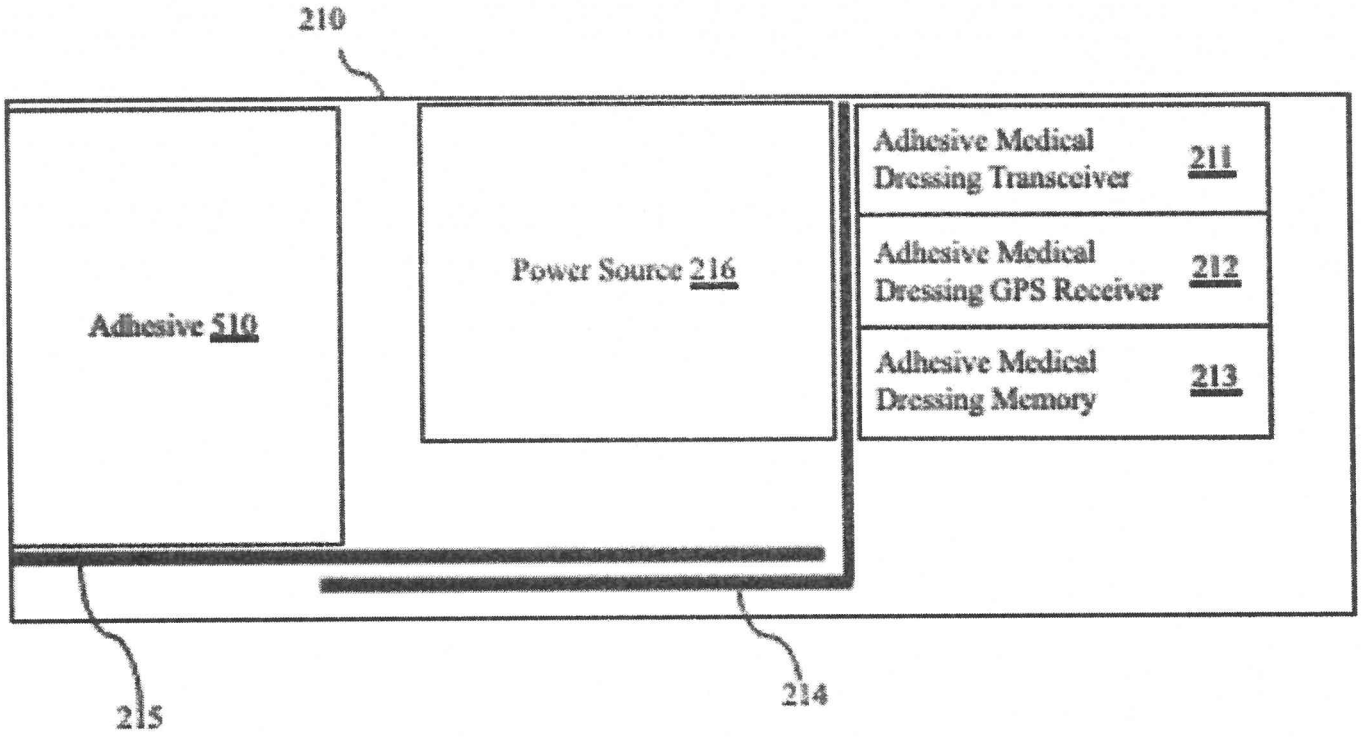


Figure 5

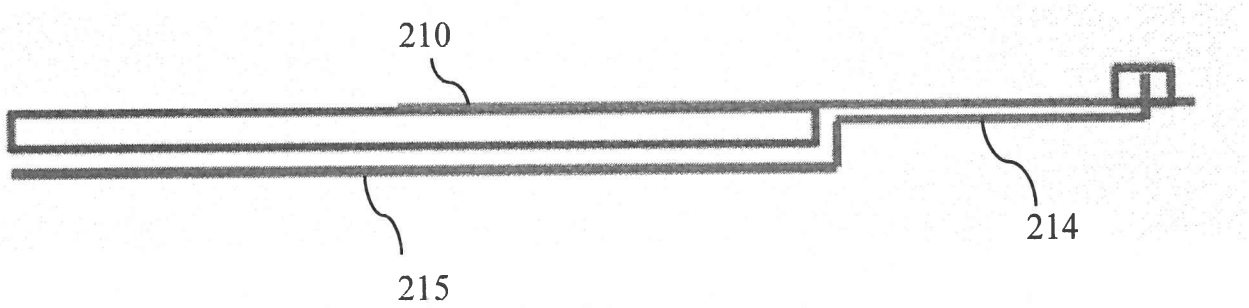


Figure 6

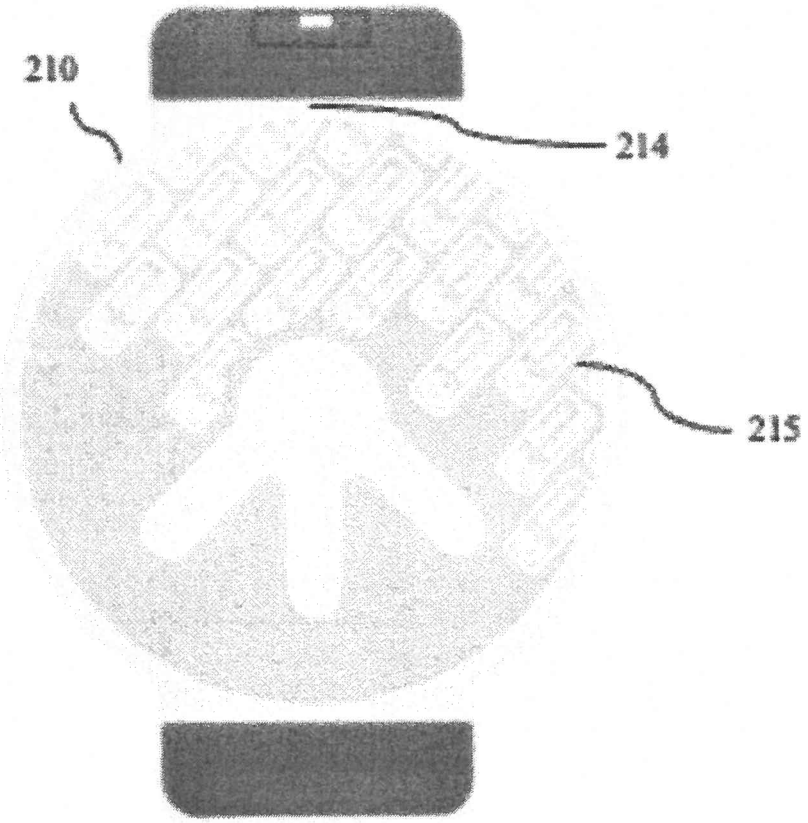


Figure 7

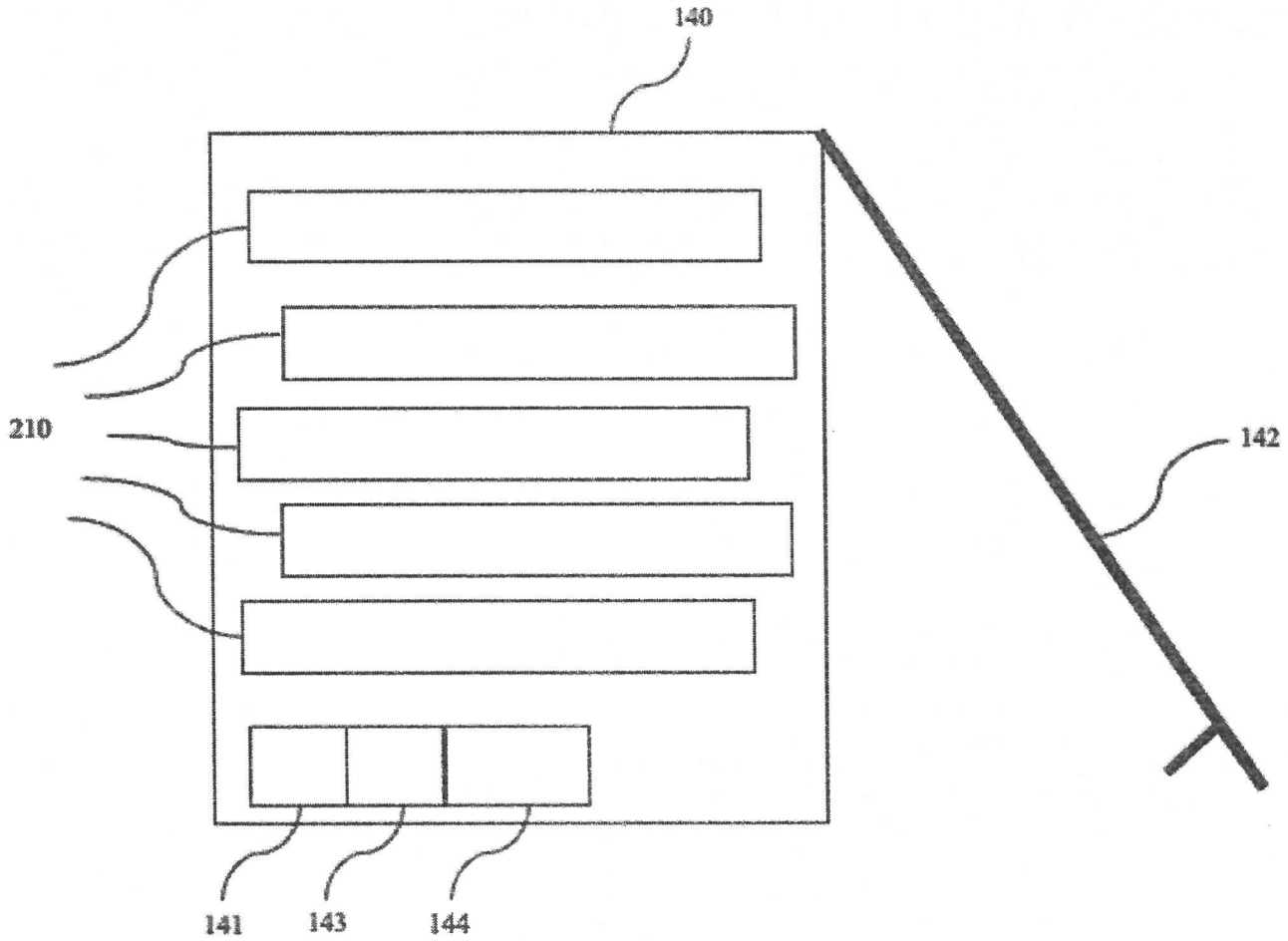
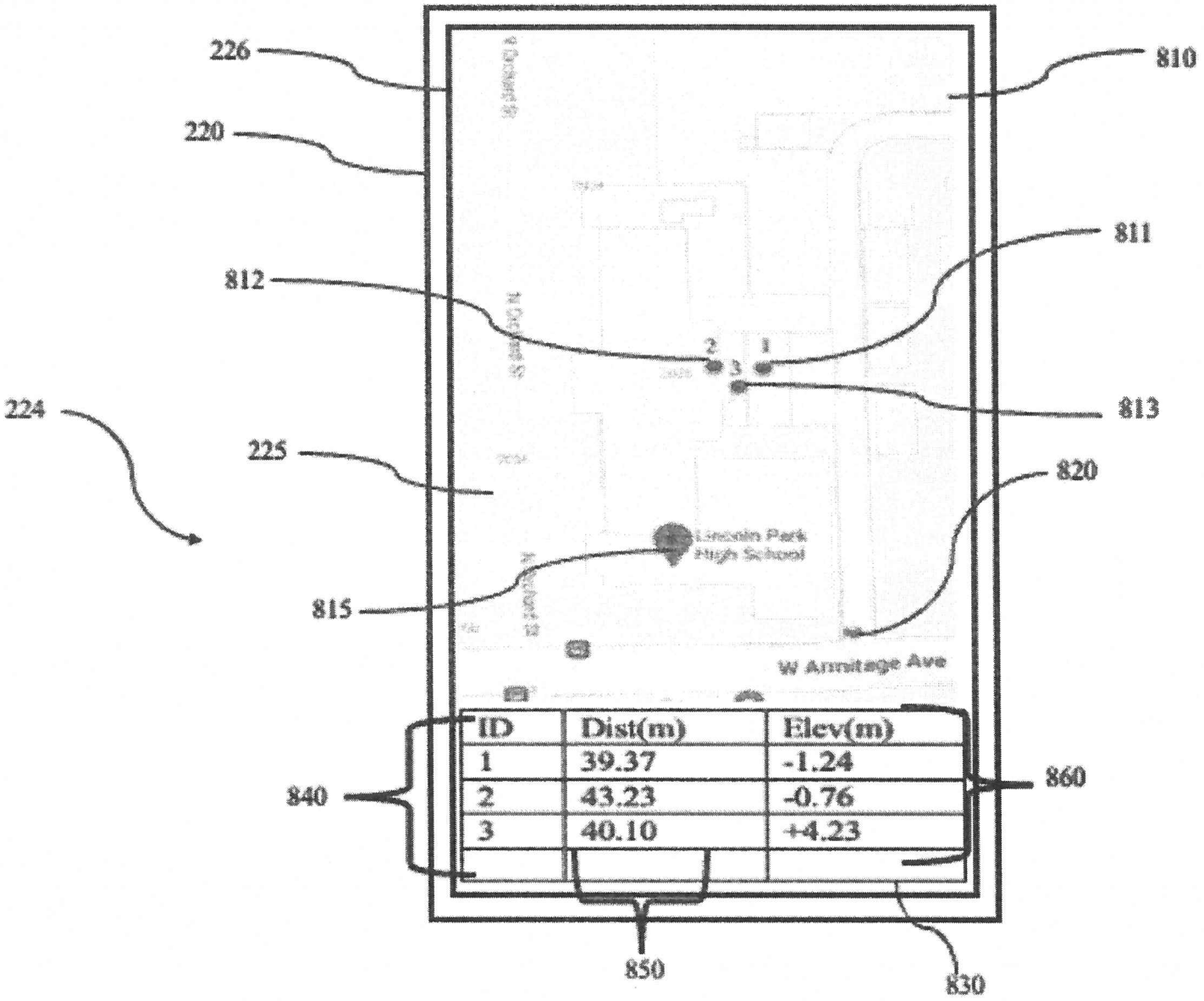


Figure 8



ID	Dist(m)	Elev(m)
1	39.37	-1.24
2	43.23	-0.76
3	40.10	+4.23

Figure 9

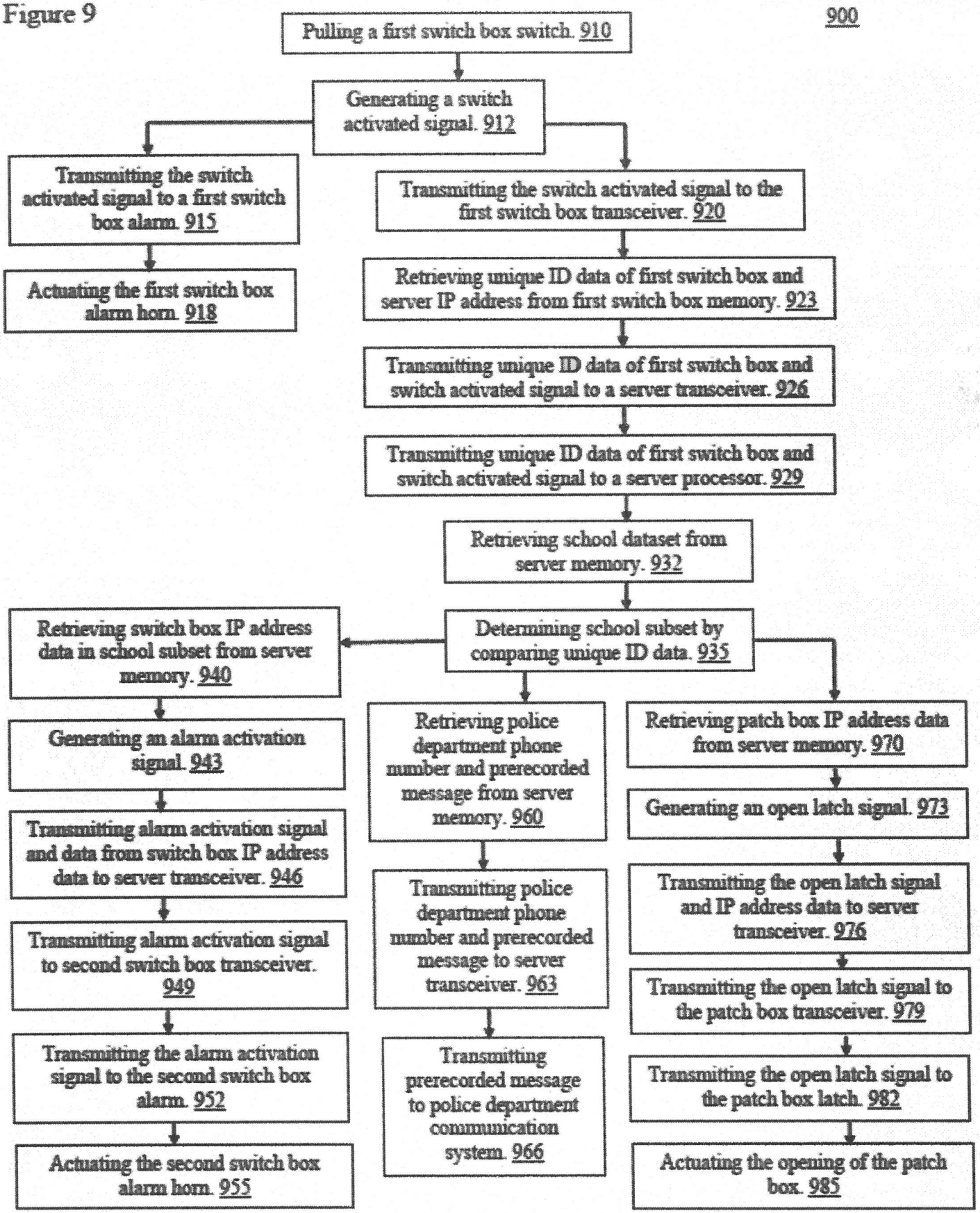
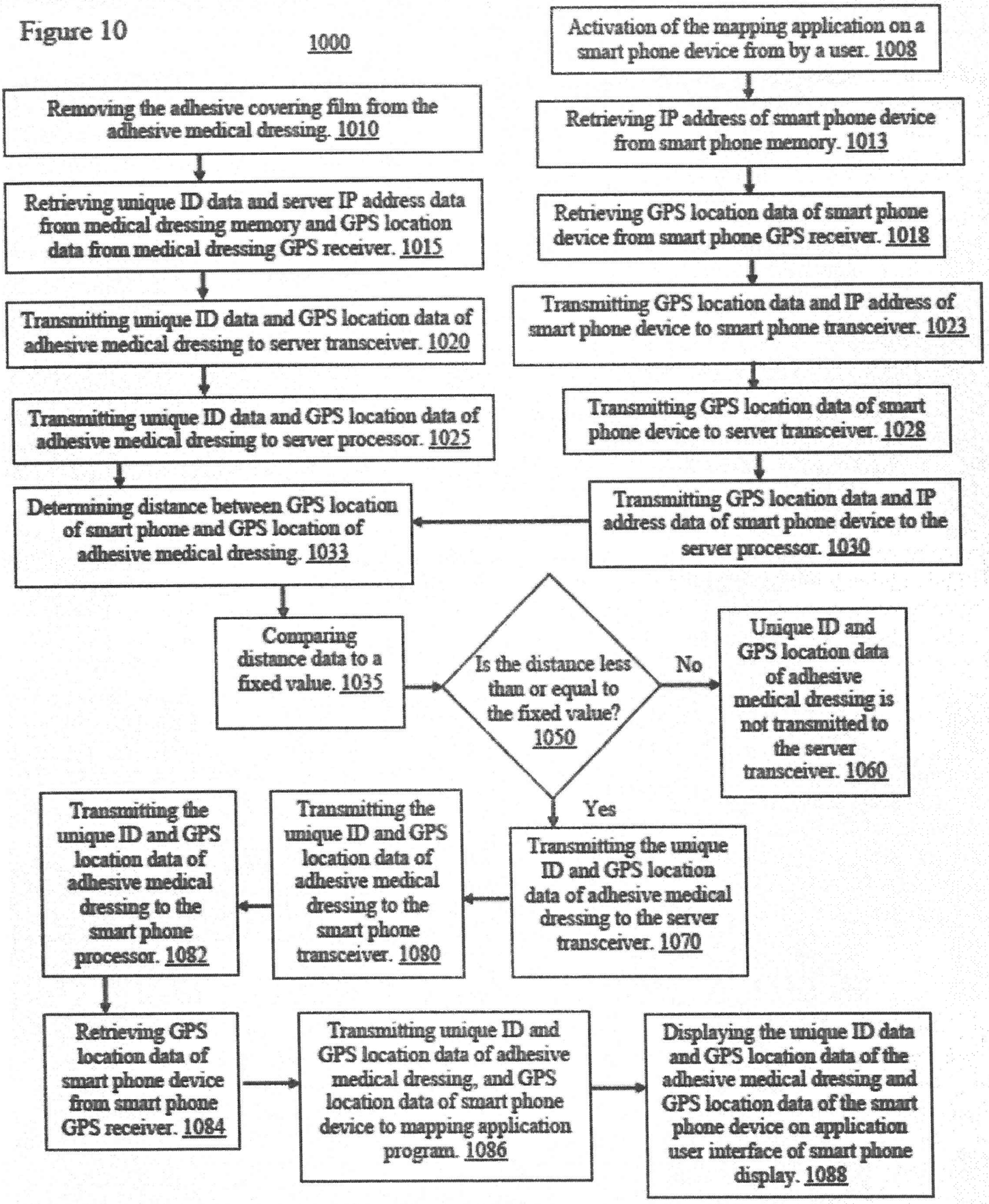

900
Pulling a first switch box switch. 910
Generating a switch activated signal. 912
Transmitting the switch activated signal to a first switch box alarm. 915
Actuating the first switch box alarm horn. 918
Transmitting the switch activated signal to the first switch box transceiver. 920
Retrieving unique ID data of first switch box and server IP address from first switch box memory. 923
Transmitting unique ID data of first switch box and switch activated signal to a server transceiver. 926
Transmitting unique ID data of first switch box and switch activated signal to a server processor. 929
Retrieving school dataset from server memory. 932
Determining school subset by comparing unique ID data. 935
Retrieving switch box IP address data in school subset from server memory. 940
Generating an alarm activation signal. 943
Transmitting alarm activation signal and data from switch box IP address data to server transceiver. 946
Transmitting alarm activation signal to second switch box transceiver. 949
Transmitting the alarm activation signal to the second switch box alarm. 952
Actuating the second switch box alarm horn. 955
Retrieving police department phone number and prerecorded message from server memory. 960
Transmitting police department phone number and prerecorded message to server transceiver. 963
Transmitting prerecorded message to police department communication system. 966
Retrieving patch box IP address data from server memory. 970
Generating an open latch signal. 973
Transmitting the open latch signal and IP address data to server transceiver. 976
Transmitting the open latch signal to the patch box transceiver. 979
Transmitting the open latch signal to the patch box latch. 982
Actuating the opening of the patch box. 985

Figure 10


1000
Activation of the mapping application on a smart phone device from by a user. 1008
Removing the adhesive covering film from the adhesive medical dressing. 1010
Retrieving IP address of smart phone device from smart phone memory. 1013
Retrieving unique ID data and server IP address data from medical dressing memory and GPS location data from medical dressing GPS receiver. 1015
Retrieving GPS location data of smart phone device from smart phone GPS receiver. 1018
Transmitting unique ID data and GPS location data of adhesive medical dressing to server transceiver. 1020
Transmitting GPS location data and IP address of smart phone device to smart phone transceiver. 1023
Transmitting unique ID data and GPS location data of adhesive medical dressing to server processor. 1025
Transmitting GPS location data of smart phone device to server transceiver. 1028
Determining distance between GPS location of smart phone and GPS location of adhesive medical dressing. 1033
Transmitting GPS location data and IP address data of smart phone device to the server processor. 1030
Comparing distance data to a fixed value. 1035
Is the distance less than or equal to the fixed value? 1050
No
Unique ID and GPS location data of adhesive medical dressing is not transmitted to the server transceiver. 1060
Yes
Transmitting the unique ID and GPS location data of adhesive medical dressing to the server transceiver. 1070
Transmitting the unique ID and GPS location data of adhesive medical dressing to the smart phone transceiver. 1080
Transmitting the unique ID and GPS location data of adhesive medical dressing to the smart phone processor. 1082
Retrieving GPS location data of smart phone device from smart phone GPS receiver. 1084
Transmitting unique ID and GPS location data of adhesive medical dressing, and GPS location data of smart phone device to mapping application program. 1086
Displaying the unique ID data and GPS location data of the adhesive medical dressing and GPS location data of the smart phone device on application user interface of smart phone display. 1088