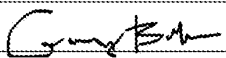


TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B or equivalent) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5. If the Power of Attorney by Applicant form is not accompanied by this transmittal form or an equivalent, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	
First Named Inventor	Gary Thomas Baker Jr
Title	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING
Art Unit	
Examiner Name	
Attorney Docket Number	TUP54874

SIGNATURE of Applicant or Patent Practitioner

Signature		Date	03/05/2020
Name	Gary Thomas Baker Jr	Telephone	8322865129
Registration Number			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in the attached transmittal letter.

- ☒ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent):

062439

OR

- ☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent):

Name	Registration Number		Name	Registration Number

Please recognize or change the correspondence address for the application identified in the attached transmittal letter to:

- ☒ The address associated with the above-mentioned Customer Number.

OR

- ☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name:

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant:

- ☒ Inventor or Joint Inventor
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor
- ☐ Assignee or Person to Whom the Inventor is Under an Obligation to Assign
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document)

SIGNATURE of Applicant for Patent

Signature

Date

03/05/2020

Name

Gary Thomas Baker Jr

Telephone

8322865129

Title and Company

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms for more than one signature, see below *.

- ☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

CERTIFICATION OF MICRO ENTITY STATUS (GROSS INCOME BASIS)				
Application Number or Control Number (if applicable):		Patent Number (if applicable):		
First Named Inventor: Gary Thomas Baker Jr		Title of Invention: SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		
The applicant hereby certifies the following—				
<p>(1) SMALL ENTITY REQUIREMENT – The applicant qualifies as a small entity as defined in 37 CFR 1.27.</p> <p>(2) APPLICATION FILING LIMIT – Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights, or is obligated to assign all ownership rights, as a result of the applicant's previous employment.</p> <p>(3) GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS – Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO Web site at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.</p> <p>(4) GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST" – Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO Web site at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.</p>				
SIGNATURE by an authorized party set forth in 37 CFR 1.33(b)				
Signature				
Name		Gary Thomas Baker Jr		
Date		03/05/2020	Telephone	Registration No.
☐		There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. The required additional certification form(s) signed by the other joint inventor(s) are included with this form.		

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		
First Named Inventor/Applicant Name:		Gary, Jr. Thomas Baker		
Filer:		Han-Jen Yu/Alex Zhou		
Attorney Docket Number:		TUP54874		
Filed as Micro Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
BASIC FILING FEE-UTILITY	3011	1	75	75
UTILITY SEARCH FEE	3111	1	165	165
UTILITY EXAMINATION FEE	3311	1	190	190
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				430

Electronic Acknowledgement Receipt	
EFS ID:	38785607
Application Number:	16810703
International Application Number:	
Confirmation Number:	1752
Title of Invention:	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING
First Named Inventor/Applicant Name:	Gary, Jr. Thomas Baker
Customer Number:	62439
Filer:	Han-Jen Yu/Alex Zhou
Filer Authorized By:	Han-Jen Yu
Attorney Docket Number:	TUP54874
Receipt Date:	05-MAR-2020
Filing Date:	
Time Stamp:	19:18:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$430
RAM confirmation Number	E202035J18409011
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	ADS_TUP54874.pdf	1822638	no	8
			2641c9da72c4490d9ad0ab143ae89c6680318883		
Warnings:					
Information:					
2		specs_TUP54874.pdf	252969	yes	64
			a2c8f79cb5e1168ad20540899263f2377d666f9c		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	55	
	Claims		56	63	
	Abstract		64	64	
Warnings:					
Information:					
3	Drawings-only black and white line drawings	drawings_TUP54874_emb.pdf	3624449	no	43
			cd353b48c5b49916ac40a3b997b22e907c4aa90d		
Warnings:					
Information:					
4	Oath or Declaration filed	Declaration_TUP54874.pdf	2119087	no	2
			09a5e1000c74e8b19f66458c4bde76a55f8040a0		
Warnings:					
Information:					
5	Power of Attorney	POA_TUP54874.pdf	2378711	no	2
			d42f63651d0d0a811b1ad03479099ef145616839		

Warnings:					
Information:					
6	Certification of Micro Entity (Gross Income Basis)	PTO15_TUP54874.pdf	1548840	no	1
			6e947db03ffa9b00a24df9712b713def96bb a29d		
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	35232	no	2
			f48b51a9cfb8e5e7bfb6484e45796913ef3d baae		
Warnings:					
Information:					
Total Files Size (in bytes):			11781926		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TUP54874
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor	1				Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Gary	Thomas	Baker	Jr.		
Residence Information (Select One) • US Residency Non US Residency Active US Military Service						
City	Houston	State/Province	TX	Country of Residence	US	
Mailing Address of Inventor:						
Address 1	11131 Carriage Lake					
Address 2						
City	Houston	State/Province	TX			
Postal Code	77065	Country	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.						

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.			
For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence information of this application.			
Customer Number	062439		
Email Address	patent@sinorica.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		
Attorney Docket Number	TUP54874	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TUP54874
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	062439		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Claims benefit of provisional	62814097	2019-03-05
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TUP54874
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

- ☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
- NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TUP54874
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TUP54874
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.				
Applicant	1			<input type="button" value="Remove"/>
<p>If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.</p>				
<input type="button" value="Clear"/>				
Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor	
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest		
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:				
<div> <div></div> <div></div> </div>				
Name of the Deceased or Legally Incapacitated Inventor: <input type="text"/>				
If the Applicant is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mailing Address Information For Applicant:				
Address 1		<input type="text"/>		
Address 2		<input type="text"/>		
City	<input type="text"/>	State/Province	<input type="text"/>	
Country	<input type="text"/>	Postal Code	<input type="text"/>	
Phone Number	<input type="text"/>	Fax Number	<input type="text"/>	
Email Address		<input type="text"/>		
Additional Applicant Data may be generated within this form by selecting the Add button. <input type="button" value="Add"/>				

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TUP54874
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		

Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
Remove				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1		<input type="text"/>		
Address 2		<input type="text"/>		
City	<input type="text"/>	State/Province	<input type="text"/>	
Country i	<input type="text"/>	Postal Code	<input type="text"/>	
Phone Number	<input type="text"/>	Fax Number	<input type="text"/>	
Email Address	<input type="text"/>			
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add				

Signature:[Remove](#)

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Shanzhong (Sam) Yuan/		Date (YYYY-MM-DD)	2020-03-05
First Name	Shanzhong	Last Name	Yuan	Registration Number
				77035
Additional Signature may be generated within this form by selecting the Add button. Add				

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TUP54874
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

TECHNICAL FIELD

Generally, the present disclosure relates to the field of data processing. More
5 specifically, the present disclosure relates to systems and methods for facilitating supervision
of individuals based on geofencing.

BACKGROUND

Geofence is a virtual perimeter for a real-world geographical area that is widely used
in location-based services. In other words, geofence can be predefined boundaries (such as
10 school zones and/or neighborhood boundaries) that allows an individual to trigger an alert to
multiple users when the individual may enter and/or exit the geofence. For instance,
Geofencing is used with child location services that can notify parents if a child leaves a
designated area.

However, conventional geofencing applications do not allow easy access for a user to
15 create the geofence. For instance, the conventional geofencing applications do not allow the
user to create the geofence based on factors such as criminal activities, crowd density, etc. of
the neighborhood. Further, the conventional geofencing applications may not allow an
individual to seamlessly communicate (such as chat and/or video call) directly with multiple
organizations (such as emergency services, parents, etc.).

20 Therefore, there is a need for improved systems and methods for facilitating
supervision of individuals based on geofencing that may overcome one or more of the above-
mentioned problems and/or limitations.

BRIEF SUMMARY

This summary is provided to introduce a selection of concepts in a simplified form, that are further described below in the Detailed Description. This summary is not intended to identify key features or essential features of the claimed subject matter. Nor is this summary
5 intended to be used to limit the claimed subject matter's scope.

Disclosed herein is a method of facilitating supervision of individuals based on geofencing, in accordance with some embodiments. Accordingly, the method may include a step of receiving, using a communication device, at least one parameter from at least one supervisor device associated with at least one supervisor. Further, the method may include a
10 step of receiving, using the communication device, a geographical location from the at least one supervisor device. Further, the method may include a step of analyzing, using a processing device, the geographical location based on the at least one security parameter. Further, the method may include a step of generating, using the processing device, a geofence corresponding to a geographical area based on the analyzing. Further, the method may
15 include a step of receiving, using the communication device, at least one supervisee data associated with a supervisee from at least one supervisee device. Further, the method may include a step of analyzing, using the processing device, the at least one supervisee data based on the geofence. Further, the method may include a step of generating, using the processing device, a supervision notification based on the analyzing of the at least one
20 supervisee data. Further, the method may include a step of transmitting, using the communication device, the supervision notification to the at least one supervisor device. Further, the method may include a step of storing, using a storage device, the at least one supervisee data and the supervision notification.

Further disclosed herein is a system for facilitating supervision of individuals based on geofencing, in accordance with some embodiments. Accordingly, the system may include a communication device, a processing device, and a storage device. Further, the communication device may be configured for receiving at least one parameter from at least one supervisor device associated with at least one supervisor. Further, the communication device may be configured for receiving a geographical location from the at least one supervisor device. Further, the communication device may be configured for receiving at least one supervisee data associated with a supervisee from at least one supervisee device. Further, the communication device may be configured for transmitting a supervision notification to the at least one supervisor device. Further, the processing device may be configured for analyzing the geographical location based on the at least one security parameter. Further, the processing device may be configured for generating a geofence corresponding to a geographical area based on the analyzing. Further, the processing device may be configured for analyzing the at least one supervisee data based on the geofence. Further, the processing device may be configured for generating the supervision notification based on the analyzing of the at least one supervisee data. Further, the storage device may be configured for storing the at least one supervisee data and the supervision notification.

Both the foregoing summary and the following detailed description provide examples and are explanatory only. Accordingly, the foregoing summary and the following detailed description should not be considered to be restrictive. Further, features or variations may be provided in addition to those set forth herein. For example, embodiments may be directed to various feature combinations and sub-combinations described in the detailed description.

BRIEF DESCRIPTION OF DRAWINGS

The accompanying drawings, which are incorporated in and constitute a part of this disclosure, illustrate various embodiments of the present disclosure. The drawings contain representations of various trademarks and copyrights owned by the Applicants. In addition, the drawings may contain other marks owned by third parties and are being used for
5 illustrative purposes only. All rights to various trademarks and copyrights represented herein, except those belonging to their respective owners, are vested in and the property of the applicants. The applicants retain and reserve all rights in their trademarks and copyrights included herein, and grant permission to reproduce the material only in connection with reproduction of the granted patent and for no other purpose.

10 Furthermore, the drawings may contain text or captions that may explain certain embodiments of the present disclosure. This text is included for illustrative, non-limiting, explanatory purposes of certain embodiments detailed in the present disclosure.

FIG. 1 is a block diagram of a system for facilitating supervision of individuals based on geofencing, in accordance with some embodiments.

15 FIG. 2 is a flowchart of a method for facilitating supervision of individuals based on geofencing, in accordance with some embodiments.

FIG. 3 is a flowchart of a method for facilitating determination of a location anomaly based on the geofencing, in accordance with some embodiments.

20 FIG. 4 is a flowchart of a method for facilitating performing of an action based on the geofencing, in accordance with some embodiments.

FIG. 5 is a flowchart of a method for facilitating generating a geofence grid based on the geofencing, in accordance with some embodiments.

FIG. 6 is a flowchart of a method for facilitating identification of a supervisee based on the geofencing, in accordance with some embodiments.

FIG. 7 is a flowchart of a method for facilitating determination of lethality of an object based on the geofencing, in accordance with some embodiments.

5 FIG. 8 is a flowchart of a method for facilitating determination of a threat in an environment of a supervisee based on the geofencing, in accordance with some embodiments.

FIG. 9 is a flowchart of a method for facilitating determination of a specific location of a supervisee based on the geofencing, in accordance with some embodiments.

10 FIG. 10 is a flowchart of a method for facilitating identification of a supervisee using NFC based on the geofencing, in accordance with some embodiments.

FIG. 11 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervisor device, in accordance with some embodiments.

FIG. 12 is a continuation flow diagram of a method used for explaining processes carried out as shown in FIG. 11.

15 FIG. 13 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervised user device, in accordance with some embodiments.

FIG. 14 is a continuation flow diagram of a method used for explaining processes carried out as shown in FIG. 13.

FIG. 15 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervisor device at the online platform, in accordance with some embodiments.

FIG. 16 is a flow diagram illustrating various navigation paths with respect to user
5 interfaces available for a supervised user device to create a profile for a supervised user at the online platform, in accordance with some embodiments.

FIG. 17 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervised user device to send an emergency alert, in accordance with some embodiments.

10 FIG. 18 is a flow diagram illustrating various navigation paths with respect to user interfaces available when a supervised user (such as a child) may request for help and a supervisor (such as a parent) may receive a notification through the supervisor device, in accordance with some embodiments.

FIG. 19 is a flow diagram illustrating various navigation paths with respect to user
15 interfaces available when the supervised user (such as a child) may auto-check into the geofence, in accordance with some embodiments.

FIG. 20 is a flow diagram illustrating various navigation paths with respect to user interfaces available when a supervised user (such as a child) may reach the geofence and a supervisor (such as a parent) may receive a notification through the supervisor device, in
20 accordance with some embodiments.

FIG. 21 is a flow diagram illustrating various navigation paths with respect to user interfaces available when the supervised user (such as a child) may reach a location (such as

the geofence) and the child may receive a notification requesting a check-in, in accordance with some embodiments.

FIG. 22 is a flow diagram illustrating various navigation paths with respect to user interfaces available when the supervised user (such as a child) may reach a location (such as the geofence) and a supervisor (such as a parent) may receive a notification through the supervisor device, in accordance with some embodiments.

FIG. 23 is a flow diagram illustrating various navigation paths with respect to user interfaces available for the supervisor device when the supervisor (such as parents) may create the geofence, in accordance with some embodiments.

FIG. 24 is a flow diagram illustrating various navigation paths with respect to user interfaces available for the supervisor device when the supervisor (such as parents) may create a task, in accordance with some embodiments.

FIG. 25 is a flow diagram illustrating various navigation paths with respect to user interfaces available for the supervisor device when the supervisor (such as parents) may select the “Map View” option from the home screen, in accordance with some embodiments.

FIG. 26 is a flow diagram of a method for setting up a geofence, in accordance with some embodiments. Further, the method may include a step of setting up a building.

FIG. 27 is a flow diagram of a method for adding and/or removing users from a database (such as the database), in accordance with some embodiments.

FIG. 28 is a flow diagram of a method for user login, in accordance with some embodiments.

FIG. 29 is a flow diagram of a method for adding a user to an organization subscriber list, in accordance with some embodiments.

FIG. 30 is a flow diagram of a method for adding a role corresponding to a user, in accordance with some embodiments.

5 FIG. 31 is a flow diagram of a method for granting permission associated with the role corresponding to a user, in accordance with some embodiments.

FIG. 32 is a flow diagram of a method to initiate a script associated with face recognition in order to verify if a user with the particular object may be an authorized user or not, in accordance with some embodiments.

10 FIG. 33 is a flow diagram of a method to facilitate communication between the supervised user device and the supervisor device based on geofencing, in accordance with some embodiments.

FIG. 34 is a continuation flow diagram of the method used for explaining processes carried out as shown in FIG. 33.

15 FIG. 35 is a flow diagram illustrating various navigation paths with respect to user interfaces available to facilitate triggering the emergency scenario, in accordance with some embodiments.

FIG. 36 is a continuation flow diagram of a method used for explaining processes carried out as shown in FIG. 35.

20 FIG. 37 is a flow diagram of a method to facilitate communication between the supervised user device and the supervisor device based on geofencing, in accordance with some embodiments.

embodiments, such as adaptations, variations, modifications, and equivalent arrangements, will be implicitly disclosed by the embodiments described herein and fall within the scope of the present disclosure.

Accordingly, while embodiments are described herein in detail in relation to one or
5 more embodiments, it is to be understood that this disclosure is illustrative and exemplary of the present disclosure, and are made merely for the purposes of providing a full and enabling disclosure. The detailed disclosure herein of one or more embodiments is not intended, nor is to be construed, to limit the scope of patent protection afforded in any claim of a patent issuing here from, which scope is to be defined by the claims and the equivalents thereof. It is
10 not intended that the scope of patent protection be defined by reading into any claim limitation found herein and/or issuing here from that does not explicitly appear in the claim itself.

Thus, for example, any sequence(s) and/or temporal order of steps of various processes or methods that are described herein are illustrative and not restrictive.
15 Accordingly, it should be understood that, although steps of various processes or methods may be shown and described as being in a sequence or temporal order, the steps of any such processes or methods are not limited to being carried out in any particular sequence or order, absent an indication otherwise. Indeed, the steps in such processes or methods generally may be carried out in various different sequences and orders while still falling within the scope of
20 the present disclosure. Accordingly, it is intended that the scope of patent protection is to be defined by the issued claim(s) rather than the description set forth herein.

Additionally, it is important to note that each term used herein refers to that which an ordinary artisan would understand such term to mean based on the contextual use of such

term herein. To the extent that the meaning of a term used herein—as understood by the ordinary artisan based on the contextual use of such term—differs in any way from any particular dictionary definition of such term, it is intended that the meaning of the term as understood by the ordinary artisan should prevail.

5 Furthermore, it is important to note that, as used herein, “a” and “an” each generally denotes “at least one,” but does not exclude a plurality unless the contextual use dictates otherwise. When used herein to join a list of items, “or” denotes “at least one of the items,” but does not exclude a plurality of items of the list. Finally, when used herein to join a list of items, “and” denotes “all of the items of the list.”

10 The following detailed description refers to the accompanying drawings. Wherever possible, the same reference numbers are used in the drawings and the following description to refer to the same or similar elements. While many embodiments of the disclosure may be described, modifications, adaptations, and other implementations are possible. For example, substitutions, additions, or modifications may be made to the elements illustrated in the
15 drawings, and the methods described herein may be modified by substituting, reordering, or adding stages to the disclosed methods. Accordingly, the following detailed description does not limit the disclosure. Instead, the proper scope of the disclosure is defined by the claims found herein and/or issuing here from. The present disclosure contains headers. It should be understood that these headers are used as references and are not to be construed as limiting
20 upon the subjected matter disclosed under the header.

 The present disclosure includes many aspects and features. Moreover, while many aspects and features relate to, and are described in the context of systems and methods for

facilitating supervision of individuals based on geofencing, embodiments of the present disclosure are not limited to use only in this context.

In general, the method disclosed herein may be performed by one or more computing devices. For example, in some embodiments, the method may be performed by a server
5 computer in communication with one or more client devices over a communication network such as, for example, the Internet. In some other embodiments, the method may be performed by one or more of at least one server computer, at least one client device, at least one network device, at least one sensor, and at least one actuator. Examples of the one or more client devices and/or the server computer may include, a desktop computer, a laptop computer, a
10 tablet computer, a personal digital assistant, a portable electronic device, a wearable computer, a smartphone, an Internet of Things (IoT) device, a smart electrical appliance, a video game console, a rack server, a super-computer, a mainframe computer, mini-computer, micro-computer, a storage server, an application server (e.g. a mail server, a web server, a real-time communication server, an FTP server, a virtual server, a proxy server, a DNS
15 server, etc.), a quantum computer, and so on. Further, one or more client devices and/or the server computer may be configured for executing a software application such as, for example, but not limited to, an operating system (e.g. Windows, Mac OS, Unix, Linux, Android, etc.) in order to provide a user interface (e.g. GUI, touch-screen based interface, voice-based interface, gesture-based interface, etc.) for use by the one or more users and/or a network
20 interface for communicating with other devices over a communication network. Accordingly, the server computer may include a processing device configured for performing data processing tasks such as, for example, but not limited to, analyzing, identifying, determining, generating, transforming, calculating, computing, compressing, decompressing, encrypting, decrypting, scrambling, splitting, merging, interpolating, extrapolating, redacting,

anonymizing, encoding and decoding. Further, the server computer may include a communication device configured for communicating with one or more external devices. The one or more external devices may include, for example, but are not limited to, a client device, a third-party database, a public database, a private database and so on. Further, the

5 communication device may be configured for communicating with the one or more external devices over one or more communication channels. Further, the one or more communication channels may include a wireless communication channel and/or a wired communication channel. Accordingly, the communication device may be configured for performing one or more of transmitting and receiving of information in electronic form. Further, the server

10 computer may include a storage device configured for performing data storage and/or data retrieval operations. In general, the storage device may be configured for providing reliable storage of digital information. Accordingly, in some embodiments, the storage device may be based on technologies such as, but not limited to, data compression, data backup, data redundancy, deduplication, error correction, data finger-printing, role-based access control,

15 and so on.

Further, one or more steps of the method disclosed herein may be initiated, maintained, controlled and/or terminated based on a control input received from one or more devices operated by one or more users such as, for example, but not limited to, an end-user, an admin, a service provider, a service consumer, an agent, a broker and a representative

20 thereof. Further, the user as defined herein may refer to a human, an animal or an artificially intelligent being in any state of existence, unless stated otherwise, elsewhere in the present disclosure. Further, in some embodiments, the one or more users may be required to successfully perform authentication in order for the control input to be effective. In general, a user of the one or more users may perform authentication based on the possession of a secret

human-readable secret data (e.g. username, password, passphrase, PIN, secret question, secret answer, etc.) and/or possession of a machine-readable secret data (e.g. encryption key, decryption key, bar codes, etc.) and/ or possession of one or more embodied characteristics unique to the user (e.g. biometric variables such as but not limited to, fingerprint, palm-print, voice characteristics, behavioral characteristics, facial features, iris pattern, heart rate variability, evoked potentials, brain waves, and so on) and/or possession of a unique device (e.g. a device with a unique physical and/or chemical and/or biological characteristic, a hardware device with a unique serial number, a network device with a unique IP/MAC address, a telephone with a unique phone number, a smartcard with an authentication token stored thereupon, etc.). Accordingly, the one or more steps of the method may include communicating (e.g. transmitting and/or receiving) with one or more sensor devices and/or one or more actuators in order to perform authentication. For example, the one or more steps may include receiving, using the communication device, the secret human-readable data from an input device such as, for example, a keyboard, a keypad, a touch-screen, a microphone, a camera and so on. Likewise, the one or more steps may include receiving, using the communication device, the one or more embodied characteristics from one or more biometric sensors.

Further, one or more steps of the method may be automatically initiated, maintained and/or terminated based on one or more predefined conditions. In an instance, the one or more predefined conditions may be based on one or more contextual variables. In general, the one or more contextual variables may represent a condition relevant to the performance of the one or more steps of the method. The one or more contextual variables may include, for example, but are not limited to, location, time, identity of a user associated with a device (e.g. the server computer, a client device, etc.) corresponding to the performance of the one or

more steps, environmental variables (e.g. temperature, humidity, pressure, wind speed, lighting, sound, etc.) associated with a device corresponding to the performance of the one or more steps, physical state and/or physiological state and/or psychological state of the user, physical state (e.g. motion, direction of motion, orientation, speed, velocity, acceleration, trajectory, etc.) of the device corresponding to the performance of the one or more steps and/or semantic content of data associated with the one or more users. Accordingly, the one or more steps may include communicating with one or more sensors and/or one or more actuators associated with the one or more contextual variables. For example, the one or more sensors may include, but are not limited to, a timing device (e.g. a real-time clock), a location sensor (e.g. a GPS receiver, a GLONASS receiver, an indoor location sensor, etc.), a biometric sensor (e.g. a fingerprint sensor), an environmental variable sensor (e.g. temperature sensor, humidity sensor, pressure sensor, etc.) and a device state sensor (e.g. a power sensor, a voltage/current sensor, a switch-state sensor, a usage sensor, etc. associated with the device corresponding to performance of the or more steps).

Further, the one or more steps of the method may be performed one or more number of times. Additionally, the one or more steps may be performed in any order other than as exemplarily disclosed herein, unless explicitly stated otherwise, elsewhere in the present disclosure. Further, two or more steps of the one or more steps may, in some embodiments, be simultaneously performed, at least in part. Further, in some embodiments, there may be one or more time gaps between performance of any two steps of the one or more steps.

Further, in some embodiments, the one or more predefined conditions may be specified by the one or more users. Accordingly, the one or more steps may include receiving, using the communication device, the one or more predefined conditions from one or more and devices operated by the one or more users. Further, the one or more predefined

conditions may be stored in the storage device. Alternatively, and/or additionally, in some embodiments, the one or more predefined conditions may be automatically determined, using the processing device, based on historical data corresponding to performance of the one or more steps. For example, the historical data may be collected, using the storage device, from

5 a plurality of instances of performance of the method. Such historical data may include performance actions (e.g. initiating, maintaining, interrupting, terminating, etc.) of the one or more steps and/or the one or more contextual variables associated therewith. Further, machine learning may be performed on the historical data in order to determine the one or more predefined conditions. For instance, machine learning on the historical data may

10 determine a correlation between one or more contextual variables and performance of the one or more steps of the method. Accordingly, the one or more predefined conditions may be generated, using the processing device, based on the correlation.

Further, one or more steps of the method may be performed at one or more spatial locations. For instance, the method may be performed by a plurality of devices

15 interconnected through a communication network. Accordingly, in an example, one or more steps of the method may be performed by a server computer. Similarly, one or more steps of the method may be performed by a client computer. Likewise, one or more steps of the method may be performed by an intermediate entity such as, for example, a proxy server. For instance, one or more steps of the method may be performed in a distributed fashion across

20 the plurality of devices in order to meet one or more objectives. For example, one objective may be to provide load balancing between two or more devices. Another objective may be to restrict a location of one or more of an input data, an output data and any intermediate data therebetween corresponding to one or more steps of the method. For example, in a client-server environment, sensitive data corresponding to a user may not be allowed to be

transmitted to the server computer. Accordingly, one or more steps of the method operating on the sensitive data and/or a derivative thereof may be performed at the client device.

Overview:

The present disclosure describes systems and methods for facilitating supervision of
5 individuals based on geofencing. Further, the present disclosure, in an instance, may include a system and/or a method to allow a user (organization) to map and/or geofence a facility (such as a school). Anything inside the geofencing may automatically route to properties dispatch. Further, the supervisor device, in an instance, may be any GPS enabled device that may be operated by a supervisor. Further, the supervisor, in an instance, may include an
10 individual and/or organization that may wish to supervise other users (such as children). Further, the supervised user device, in an instance, may include a GPS enabled device which may be operated by a supervised user. Further, the supervised user, in an instance, may include an individual that may need to be supervised by the supervisor. For instance, the supervised user may include a child going to a school that may need to be supervised by the
15 parents with regard to a location associated with the child.

Further, the disclosed system and method may allow an organization to create an account, create a geofence, store in a database, access account. Further, if a user with a mobile device has an incident, the user may click a dispatch button.

Further, the user may be provided with features such as Shake button (click-override),
20 Re-configured buttons home standby and home on record, "Hide" (such as lock-out, pass-code initiated enter passcode), Quick-share {such as quick share, notification, select text message to send (sends link to non-registered users), SMS email, hyperlink ready (video stream), send to an application (application notification email device)}

Further, the user may be provided with a feature that may include switching from screen to a video stream view to a GPS view. Further, the disclosed system may be configured to access incidents ongoing and/or history through cloud storage. Further, the cloud storage, in an instance, may be peer to peer storage which refers to mobile device
5 encrypted storage. Further, the peer to peer storage, in an instance, may allow the saved data to be saved on multiple user devices and/or to be retrieved from those devices when requested. Further, the disclosed system may be configured to provide peer to peer streaming where the data may pass through multiple devices instead of a storage cloud.

Further, the feature may allow sharing selected incident through “subscribed
10 contacts.” For instance, the subscribed contacts may include (but not limited to) ABC news, subscribed user, organizations, personal contacts, etc.

Further, the disclosed system may allow Geofencing. For instance, add one or more locations, multiple points, check-points, etc. in order to get notifications from positional and timing anomalies – alert; notification (made it, diverted, normal route, auto check-in), and/or
15 schedule tracking of each “leg” etc.

Further, the disclosed system may include drone deployment. For instance, take data from location incident, tracking. Further, an organization drone may be deployed to a location in order to monitor the incident.

Further, the disclosed system may include a Chirp Responder Home that may include
20 messaging services, CB radio emulations (such as real-time messages), PTT, one-person talking to same, and time-dependent duration talk, etc.

Further, the disclosed system may include facial and object recognition that may be configured to scan and identify (such as object recognition, identifying a gun), and/or automatically runs a trigger to scan faces to qualify the gun carrier – if NOT qualified, triggers an event such as (but not limited to) a notification automatically to be received by a dispatch system. Further, in an instance, the disclosed system may be configured to scan face (facial scan) and match the scanned face with data associated with a database to identify zone-based violation (such as a pedophile near a school) once identified automated trigger. Further, the disclosed method may include an autonomous process such as capturing frame, running a scan, redundancy override, etc. For instance, the disclosed system may be configured to identify the object and/or face by using facial and trained object detection data. Further, once a face and/or object may be identified, the disclosed system may be configured to capture a frame. Further, the disclosed system, in an instance, may run the redundancy scan before scanning the database (and/or image database).

Further, the user, in an instance, may receive an alert when a person may be lost. Accordingly, that user may turn on a device for scanning and/or capturing Bluetooth (wireless network) or NFC or any type of retrievable device creating a code for that device to trigger that lost person alert within geofencing proximity. Further, when the user device may identify the device code of the lost person, the user device may trigger a notification to responsible parties and/or may dispatch the location and timestamp along with user information for assist request and the user with the lost person's data for assistance.

Further, an augmented reality view may be presented to the user through the user device. Further, the user device may track the location of individuals to show where they (the individuals) are in the facility (chirp integrated).

Further, the user device (such as landlines and/or office phones) may capture location when a person may call from the phone to automatically show where the person may be present. Further, the disclosed system may include Identifier-report (for location/tracking purposes).

5 Further, the disclosed system may include a feature such as Video Sourcing, which may allow cameras at a user's house to allocate surveillance in a case when an emergency service such as police may need video data (for instance to follow a criminal during a chase). For instance, a user may make a request to use the camera and the user may be authorized to access the camera for a limited time (timer orientated). Further, a notification that the camera
10 may no longer be used may also be shared using crowd-sourcing video. Tap into these cameras. Further, users may de-authorize cameras upon choice.

Further, organizations may create a geofence and when an incident may be executed, *Samscloud* (the application) may check a database and automatically route the incident. For instance, anyone with the application may trigger an event that directly connects them to any
15 organization, property, area with a geofence. Further, the application may be triggered by (for instance) clicking a button, swiping a component, shaking the phone, speech recognition, etc.

Further, the disclosed system, in an instance, may facilitate object and/or facial recognition. Accordingly, the disclosed system may be trained to identify a particular object (gun/weapon) such that when the particular object may be identified, the system may be
20 configured to run a script to check face to verify if the face may be authorized or not. Further, if the face may not be authorized, then the system may automatically run an emergency scenario alert. Further, using just the screen when a face is identified, the system may reduce

the need to record the video or take pictures and/or may reduce the need to process entire videos.

Further, the user may point and when a face may be identified (results may be served to the user). Further, the user may shake the device to move through the emergency phases.

- 5 Further, the user may be allowed to use the augmented reality view to locate victims during an emergency with a tap of the device. Further, the Chirp may allow the user to (with a click a button) communicate with one or more (similar to CB) users. Further, the users may have a group and/or one on one conversation without dialing just click and the system may connect everyone in the group to hear the conversation.

- 10 Further, the disclosed system may allow a user (or organization) to map the school, geofence, anything inside the geofencing automatically routes to that properties dispatch. Further, an organization may be prompted to create an account. Further, the organization may create a geofence. Further, the organization may access account using a database. Further, the user with a mobile device has an incident. Further, the user may click dispatch button.

- 15 Referring now to figures, FIG. 1 is a block diagram of a system 100 for facilitating supervision of individuals based on geofencing, in accordance with some embodiments. Accordingly, the system 100 may include a communication device 102, a processing device 104, and a storage device 106.

- Further, the communication device 102 may be configured for receiving at least one
20 parameter from at least one supervisor device associated with at least one supervisor. Further, the communication device 102 may be configured for receiving a geographical location from the at least one supervisor device. Further, the communication device 102 may be configured for receiving at least one supervisee data associated with a supervisee from at least one

supervisee device. Further, the at least one supervisee device may be disposed on the geographical area corresponding to the geofence. Further, the at least one supervisee device may include a wearable device. Further, the supervisee wears the wearable device. Further, the at least one supervisee device may be disposed on the geographical area corresponding to the geofence. Further, the communication device 102 may be configured for transmitting a supervision notification to the at least one supervisor device.

Further, the processing device 104 may be configured for analyzing the geographical location based on the at least one security parameter. Further, the processing device 104 may be configured for generating a geofence corresponding to a geographical area based on the analyzing. Further, the processing device 104 may be configured for analyzing the at least one supervisee data based on the geofence. Further, the processing device 104 may be configured for generating the supervision notification based on the analyzing of the at least one supervisee data.

Further, the storage device 106 may be configured for storing the at least one supervisee data and the supervision notification.

Further, in some embodiments, the communication device 102 may be further configured for receiving at least one location indication associated with the geographical area from the at least one supervisor device. Further, the processing device 104 may be further configured for identifying at least one location corresponding to the at least one location indication. Further, the processing device 104 may be further configured for analyzing the at least one supervisee data based on the at least one location. Further, the processing device 104 may be further configured for determining a location anomaly based on the analyzing of

the at least one supervisee data based on the at least one location. Further, the generating of the supervision notification may be based on the determining.

Further, in some embodiments, the processing device 104 may be further configured for identifying the supervisee based on the analyzing of the at least one supervisee data.

- 5 Further, the analyzing may include a facial recognition system. Further, the storage device 106 may be configured for retrieving supervisee profile data associated with the supervisee based on the identifying. Further, the generating of the supervision notification may be based on the retrieving.

- Further, in some embodiments, the processing device 104 may be further configured
10 for identifying at least one object associated with the supervisee based on the analyzing of the at least one supervisee data. Further, the analyzing may include IR scanning, X-ray scanning, etc. Further, the processing device 104 may be further configured for determining a lethality of the at least one object based on the identifying. Further, the generating of the supervision notification may be based on the determining.

- 15 Further, in some embodiments, the communication device 102 may be further configured for receiving at least one environment data associated the geographical area corresponding to the geofence. Further, the processing device 104 may be further configured for analyzing the at least one environment data. Further, the processing device 104 may be further configured for determining at least one threat based on the analyzing of the at least
20 one environment data. Further, the generating of the supervisor notification may be based on the determining.

Further, in some embodiments, the storage device 106 may be further configured for retrieving a blueprint associated with the geographical area corresponding to the geofence.

Further, the geographical area may include a facility such as a school, a hostel, etc. Further, the processing device 104 may be further configured for analyzing the blueprint and the at least one supervisee data. Further, the processing device 104 may be further configured for determining a location of the supervisee on the blueprint based on the analyzing of the
5 blueprint and the at least one supervisee data. Further, the generating of the supervision data may be based on the determining.

Further, in some embodiments, the at least one supervisee device may include at least one sensor. Further, the at least one sensor may be configured for detecting at least one signal made by the supervisee. Further, the at least one signal may include a gesture signal, a sound
10 signal, etc. Further, the at least one sensor may be configured for generating the at least one supervisee data based on the detecting. Further, the at least one sensor may include an IR sensor, an image sensor, etc.

Further, in some embodiments, the supervision notification may include at least one supervisee event. Further, the at least one supervisee event may be associated with at least
15 one action. Further, the processing device 104 may be configured for determining the at least one action based on the supervision notification. Further, the processing device 104 may be configured for performing the at least one action based on the determining. Further, the at least one action may include an establishment of a communication session between the at least one supervisor device and the at least one supervisee device.

20 Further, in some embodiments, the geofence may be characterized by a geofence area corresponding to the geographical area. Further, the geofence may include a plurality of geofence grid boxes associated with the geofence area. Further, each geofence grid box may be characterized by a grid box geofence area of the geofence area. Further, the

communication device 102 may be configured for receiving at least one grid parameter from the at least one supervisor device. Further, the processing device 104 may be configured for analyzing the at least one grid parameter. Further, the processing device 104 may be configured for determining the grid box geofence area based on the analyzing of the at least one grid parameter. Further, the processing device 104 may be configured for generating a number of geofence grid boxes based on the determining.

Further, in some embodiment, the supervisee may be associated with at least one near field communication (NFC) identification. Further, the communication device 102 may be configured for receiving at least one NFC indication corresponding to the at least NFC identification from the at least one supervisee device. Further, the processing device 104 may be configured for identifying the supervisee based on the at least one NFC indication. Further, the generating of the supervision notification may be based on the identifying.

FIG. 2 is a flowchart of a method 200 for facilitating supervision of individuals based on geofencing, in accordance with some embodiments. Accordingly, at 202, the method 200 may include a step of receiving, using a communication device, at least one parameter from at least one supervisor device associated with at least one supervisor.

Further, at 204, the method 200 may include a step of receiving, using the communication device, a geographical location from the at least one supervisor device.

Further, at 206, the method 200 may include a step of analyzing, using a processing device, the geographical location based on the at least one security parameter.

Further, at 208, the method 200 may include a step of generating, using the processing device, a geofence corresponding to a geographical area based on the analyzing.

Further, at 210, the method 200 may include a step of receiving, using the communication device, at least one supervisee data associated with a supervisee from at least one supervisee device.

Further, at 212, the method 200 may include a step of analyzing, using the processing
5 device, the at least one supervisee data based on the geofence.

Further, at 214, the method 200 may include a step of generating, using the processing device, a supervision notification based on the analyzing of the at least one supervisee data.

Further, at 216, the method 200 may include a step of transmitting, using the communication device, the supervision notification to the at least one supervisor device.

10 Further, at 218, the method 200 may include a step of storing, using a storage device, the at least one supervisee data and the supervision notification.

FIG. 3 is a flowchart of a method 300 for facilitating determination of a location anomaly based on the geofencing, in accordance with some embodiments. Accordingly, at 302, the method 300 may include a step of receiving, using the communication device, at
15 least one location indication associated with the geographical area from the at least one supervisor device.

Further, at 304, the method 300 may include a step of identifying, using the processing device, at least one location corresponding to the at least one location indication.

Further, at 306, the method 300 may include a step of analyzing, using the processing
20 device, the at least one supervisee data based on the at least one location.

Further, at 308, the method 300 may include a step of determining, using the processing device, a location anomaly based on the analyzing of the at least one supervisee data based on the at least one location. Further, the generating of the supervision notification may be based on the determining.

5 FIG. 4 is a flowchart of a method 400 for facilitating performing of an action based on the geofencing, in accordance with some embodiments. Accordingly, at 402, the method 400 may include a step of determining, using the processing device, the at least one action based on the supervision notification.

 Further, at 404, the method 400 may include a step of performing, using the
10 processing device, the at least one action based on the determining. Further, the at least one action may include an establishment of a communication session between the at least one supervisee device and the at least one supervisor device.

 FIG. 5 is a flowchart of a method 500 for facilitating generating a geofence grid based on the geofencing, in accordance with some embodiments. Accordingly, at 502, the method
15 500 may include a step of receiving, using the communication device, at least one grid parameter from the at least one supervisor device.

 Further, at 504, the method 500 may include a step of analyzing, using the processing device, the at least one grid parameter.

 Further, at 506, the method 500 may include a step of determining, using the
20 processing device, the grid box geofence area based on the analyzing of the at least one grid parameter.

Further, at 508, the method 500 may include a step of generating, using the processing device, a number of geofence grid boxes based on the determining.

FIG. 6 is a flowchart of a method 600 for facilitating identification of a supervisee based on the geofencing, in accordance with some embodiments. Accordingly, at 602, the
5 method 600 may include a step of identifying, using the processing device, the supervisee based on the analyzing of the at least one supervisee data. Further, the analyzing may include a facial recognition system.

Further, at 604, the method 600 may include a step of retrieving, using the storage device, supervisee profile data associated with the supervisee based on the identifying.

10 Further, the generating of the supervision notification may be based on the retrieving.

FIG. 7 is a flowchart of a method 700 for facilitating determination of lethality of an object based on the geofencing, in accordance with some embodiments. Accordingly, at 702, the method 700 may include a step of identifying, using the processing device, at least one object associated with the supervisee based on the analyzing of the at least one supervisee
15 data. Further, the analyzing may include IR scanning, X-ray scanning, etc.

Further, at 704, the method 700 may include a step of determining, using the processing device, a lethality of the at least one object based on the identifying. Further, the generating of the supervision notification may be based on the determining.

FIG. 8 is a flowchart of a method 800 for facilitating determination of a threat in an
20 environment of a supervisee based on the geofencing, in accordance with some embodiments. Accordingly, at 802, the method 800 may include a step of receiving, using the

communication device, at least one environment data associated the geographical area corresponding to the geofence.

Further, at 804, the method 800 may include a step of analyzing, using the processing device, the at least one environment data.

5 Further, at 806, the method 800 may include a step of determining, using the processing device, at least one threat based on the analyzing of the at least one environment data. Further, the generating of the supervisor notification may be based on the determining.

FIG. 9 is a flowchart of a method 900 for facilitating determination of a specific location of a supervisee based on the geofencing, in accordance with some embodiments.

10 Accordingly, at 902, the method 900 may include a step of retrieving, using the storage device, a blueprint associated with the geographical area corresponding to the geofence. Further, the geographical area may include a facility such as a school, a hostel, etc.

Further, at 904, the method 900 may include a step of analyzing, using the processing device, the blueprint and the at least one supervisee data.

15 Further, at 906, the method 900 may include a step of determining, using the processing device, a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data. Further, the generating of the supervision data may be based on the determining.

20 Further, in some embodiments, the at least one supervisee device may include at least one sensor. Further, the at least one sensor may be configured for detecting at least one signal made by the supervisee. Further, the at least one signal may include a gesture signal, a sound

signal, etc. Further, the at least one sensor may be configured for generating the at least one supervisee data based on the detecting.

FIG. 10 is a flowchart of a method 1000 for facilitating identification of a supervisee using NFC based on the geofencing, in accordance with some embodiments. Accordingly, at 5 1002, the method 1000 may include a step of receiving, using the communication device, at least one NFC indication corresponding to with the at least NFC identification from the at least one supervisee device. Further, the supervisee may be associated with the at least one NFC identification.

Further, at 1002, the method 1000 may include a step of identifying, using the 10 processing device, the at least one supervisee based on the at least one NFC indication.

FIG. 11 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervisor device, in accordance with some embodiments. Further, the user interface, in an instance, may include a loading screen 1102. Further, the user interface, in an instance, may include a home screen 1104 which may include options such as 15 (but not limited to) “My Children” 1106 (for managing users), “Geofences 1108,” “tasks 1110,” “contacts 1112,” “messenger 1114,” “history 1116,” “settings 1194,” “notification center 1120,” and/or “view map 1118.” Further, the settings 1194, in an instance, may include options such as (but not limited to) edit profile 1122, sign out 1124, push notifications 1126, play sound 1128, vibrate on 1130, privacy policy 1132, and/or terms of 20 use 1134. Further, the Edit profile 1122, in an instance, may also allow the supervisor to edit credentials such as (but not limited to) full name 1136, telephone 1138, email address 1140, address line 1 1142, address line 2 1144, state/province 1146, zip/postal code 1148, country 1150, password 1152, and confirm password 1154. Further, the messenger 1114, in an

instance, may allow the supervisor to view and/or follow conversations (conversation 1 1156, conversation 1 1158, and group chat 1 1160) with other users (such as the supervised users). Further, My Children option 1106 from the home screen, in an instance, may allow the supervisor to add profile associated with the supervised user. Further, My Children option
5 1106 may include child 1 1162, child 3 1164, and add child 1166.

FIG. 12 is a continuation flow diagram of a method used for explaining processes carried out as shown in FIG. 11. Further, the child 1 1162 may include a child 1 profile 1168, in an instance, may include options such as (but not limited to) GeoLocate 1170, Quick message 1172, call 1174, contact 1 1176, contact 2 1178, and add contact 1180. Further, the
10 contact 1 1176 that may further include contacts 1182 such as full name 1184, telephone 1186, email address 1188, relationship 1190, emergency (y/n) 1192.

FIG. 13 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervised user device, in accordance with some embodiments. Further, the user interface, in an instance, may include a loading screen 1302. Further, the
15 user interface, in an instance, may include a home screen 1304 which may include options such as (but not limited to) a request help 1306, my profile 1308, contacts 1310, history 1312, messenger 1314, settings 1316, notification center 1320, and/or view map 1318. Further, the request help 1306 (as shown in FIG. 9), in an instance, may include (but not limited to) send help 1322, and/or call 911 1324. Further, the supervised user, in an instance, may select “send
20 help” 1322, and/or call 911 1324 from the request help that may send a notification to the supervisor device (sending help 1326 and/or calling 911 1328). Further, the settings 1316, in an instance, may include options such as (but not limited to) edit profile 1330, sign out 1332, push notifications 1334, play sound 1336, vibrate on 1338, privacy policy 1340, and/or terms of use 1342. Further, the messenger 1314, in an instance, may allow the supervised user to
25 view and/or follow conversations (conversation 1 1344 and conversation 1 1346) with other

users. Further, the contacts 1310 may include contact 1 1348, contact 2 1350, and add contact 1352.

FIG. 14 is a continuation flow diagram of a method used for explaining processes carried out as shown in FIG. 13. Further, the add contact 1352 from the home screen may include contacts 1354 (such as full name 1356, telephone 1358, email address 1360, relationship 1362, emergency (y/n) 1364) associated with other users. Further, the Edit profile 1330, in an instance, may also allow the supervised user to edit credentials such as (but not limited to) full name 1366, telephone 1368, email address 1370, address line 1 1372, address line 2 1374, state/province 1376, zip/postal code 1378, country 1380, password 1382, and confirm password 1384.

FIG. 15 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervisor device at the online platform 4200, in accordance with some embodiments. Further, the user interface, in an instance, may include a loading screen 1502. Further, the user interface, in an instance, may include a home 1504 which may include options such as email address 1506, password 1508, and sign up 1510. Further, the sign up 1510 may include a welcome email 1512 which further may include a confirm email 1514. Further, a welcome screen 1516 may include a complete profile 1518. Further, a create profile 1520, in an instance, may also allow the supervisor to edit credentials such as (but not limited to) full name 1522, telephone 1524, email address 1526, address line 1 1528, address line 2 1530, state/province 1532, zip/postal code 1534, country 1536, password 1538, and confirm password 1540. Further, a home screen 1542 may include my children 1544, my profile 1546, contacts 1548, messenger 1550, settings 1552, and notification centre 1554.

FIG. 16 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervised user device to create a profile for a supervised user at the online platform 4200, in accordance with some embodiments. Further, a supervisor (such as

parents) may create the profile for a child by interacting with the supervisor device. Further, the child may receive a welcome email 1602 or text message. Further, the welcome email 1602 may include a confirmation email 1604. Further, a welcome screen 1606 may include a complete profile 1608. Further, create profile 1610 may include full name 1612, telephone 1614, email address 1616, address line 1 1618, address line 2 1620, state/province 1622, zip/postal code 1624, country 1626, password 1628, and confirm password 1630. Further, a home screen 1632 may include my family 1634, my profile 1636, contacts 1638, messenger 1640, settings 1642, and notification centre 1644.

FIG. 17 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a supervised user device to send an emergency alert, in accordance with some embodiments. Further, the user interface may include a home screen 1702 which further may include a request help 1704, my profile 1706, contacts 1708, messenger 1710, settings 1712, and notification centre 1714. Further, the request help 1704, in an instance, further may include a send help 1716 and call 911 1718. Further, the supervised user, in an instance, may select “send help” 1716, and/or call 911 1718 from the request help that may send a notification to the supervisor device (sending help 1720 and/or calling 911 1722).

FIG. 18 is a flow diagram illustrating various navigation paths with respect to user interfaces available when a supervised user (such as a child) may request for help and a supervisor (such as a parent) may receive a notification through the supervisor device, in accordance with some embodiments. Further, the child may request for help. Further, a supervisor (such as a parent) may receive a notification informing that the child may have requested for the help from their parent. Further, the user interface may include a notification centre 1802 which further may include an emergency alert 1804, old notification 1 1806, and old notification 2 1808, etc. Further, the emergency alert 1804, in an instance, may include an

alert 1 1810 that may further include requested help 1812, call jane 1814, call 911 1816, and quick message 1818. Further, the quick message further may include chat 1820.

FIG. 19 is a flow diagram illustrating various navigation paths with respect to user interfaces available when the supervised user (such as a child) may auto-check into the geofence, in accordance with some embodiments. Further, the child may reach the specific location. Further, the child may receive a notification requesting a check-in. Further, the user interface may include a notification centre 1902. Further, the notification centre 1902 may include you checked in! 1904, old notification 1 1906, old notification 2 1908, etc. Further, the supervisor (parent) may be notified 1910 after the child has auto checked into the location. Further, the supervisor (such as parent) may dismiss 1912 the notification.

FIG. 20 is a flow diagram illustrating various navigation paths with respect to user interfaces available when a supervised user (such as a child) may reach the geofence and a supervisor (such as a parent) may receive a notification through the supervisor device, in accordance with some embodiments. Further, the supervisor may be informed that the supervised user (and/or the child) has checked in to a specific location (geofence). Further, the child may reach the location. Further, a supervisor (such as a parent) may receive a notification informing that the child may have checked in into a specific location. Further, the user interface may include a notification centre 2002. Further, the notification centre 2002 may include (NAME) has checked in 2004, old notification 1 2006, old notification 2 2008, etc. Further, the (NAME) may arrive safely at the location. Further, the supervisor (such as parent) may call (NAME) 2010, message 2014, and dismiss 2012 the notification.

FIG. 21 is a flow diagram illustrating various navigation paths with respect to user interfaces available when the supervised user (such as a child) may reach a location (such as the geofence) and the child may receive a notification requesting a check-in, in accordance with some embodiments. Further, the child may reach the location. Further, the child may

receive the notification requesting a check-in. Further, the user interface may include my tasks 2102 which further may include active task 1 2104, old task 1 2106, old task 2 2108, etc. Further, the active task 1 2104 further may include task description 2110, mark as complete 2112, and dismiss 2114.

5 FIG. 22 is a flow diagram illustrating various navigation paths with respect to user interfaces available when the supervised user (such as a child) may reach a location (such as the geofence) and a supervisor (such as a parent) may receive a notification through the supervisor device, in accordance with some embodiments. Further, the supervisor may be informed that the supervised user (and/or the child) has checked in to a specific location
10 (geofence). Further, the parent may receive a notification informing that the child may have checked into a specific location. Further, the user interface may include a notification centre 2202 which further may include (NAME) may have completed the task 2204, old notification 1 2206, old notification 2 2208, etc. Further, (NAME) may have safely arrived at the location. Further, the supervisor (such as a parent) may call (NAME) 2210, message 2214, and dismiss
15 2212 the notification.

 FIG. 23 is a flow diagram illustrating various navigation paths with respect to user interfaces available for the supervisor device when the supervisor (such as parents) may create the geofence, in accordance with some embodiments. Further, a child (supervised user) may reach a location. Further, the user interface may include a home screen 2302 which
20 further may include my children 2304, geofences 2306, tasks 2308, contacts 2310, messenger 2312, history 2314, settings 2316, view map 2318, and notification centre 2320. Further, the geofences 2306 may include geofence 1 2322, geofence 2 2324, and create new 2326. Further, the create new 2326 may include creating geofence 2328. Further, the creating geofence 2328 may include a name 2330, a location 2332, a radius 2334, an auto-check-in
25 Y/N 2336, add family member 2338, family member 1 2340, family member 2 2342, etc.

Further, the location 232 may include a map 2344. Further, the map 2344 may include selecting a location (drop pin) 2346 and confirming location 2348. Further, the add family member 2338 may include a search by name 2350, notify me when (NAME) arrives 2352, notify me when (NAME) leaves 2354, and confirm 2356.

5 FIG. 24 is a flow diagram illustrating various navigation paths with respect to user interfaces available for the supervisor device when the supervisor (such as parents) may create a task, in accordance with some embodiments. Further, the user interface may include a home screen 2402 which further may include my children 2404, geofences 2406, tasks 2408, contacts 2410, messenger 2412, history 2414, settings 2416, view map 2418, and
10 notification centre 2420. Further, the tasks 2408 may include active task 1 2422, active task 2 2424, create new 2426, etc. Further, the create new 2426 may include a create task 2428. Further, the create task 2428 further may include title 2430, description 2432, add family member 2434, family member 1 2436, family member 2 2438, etc. Further, the add family member 2434 may include a search by name 2440, notify me when (NAME) arrives 2442,
15 notify me when (NAME) leaves 2444, and confirm 2446.

 FIG. 25 is a flow diagram illustrating various navigation paths with respect to user interfaces available for the supervisor device when the supervisor (such as parents) may select the “Map View” option from the home screen, in accordance with some embodiments. Further, the user interface may include a home screen 2502 which further may include my
20 children 2504, geofences 2506, tasks 2508, contacts 2510, messenger 2512, history 2514, settings 2516, view map 2518, and notification centre 2520. Further, the supervisor (such as parents) may view map on a map view 2520. Further, the map view 2520 may show the location of child 1, child 2, child 3, etc. Further, the child 1 may be associated with child 1 profile 2522. Further, the child 1 profile 2522 may include geoLocate 2524, quick message
25 2526, call (NAME) 2528, contact 1 2530, contact 2 2532, add contact 2534, etc.

FIG. 26 is a flow diagram of a method 2600 for setting up a geofence, in accordance with some embodiments. Further, at 2602, the method 2600 may include a step of setting up a building. Further, at 2604, the method 2600 may include a step of adding data. Further, at 2606, the method 2600 may include a step of creating a geo fence (marking organization
5 property). Further, at 2608, the method 2600 may include a step of marking an area.

Further, at 2610, the method 2600 may include an advanced setup. Further, at 2612, the method 2600 may include a step of adding zones. Further, at 2614, the method 2600 may include a step of adding CCTV. Further, at 2616, the method 2600 may include adding a new CCTV. Further, at 2618, the method 2600 may include a step of searching CCTV. Further, at
10 2620, the method 2600 may include a step of adding a floor. Further, at 2622, the method 2600 may include a step of determining the altitude of the floor. Further, at 2624, the method 2600 may include a step of selecting the floor. Further, at 2626, the method 2600 may include a step of adding a document. Further, at 2628, the method 2600 may include a step of determining the type of the document. Further, at 2630, the method 2600 may include a step
15 of adding the document to scenarios.

FIG. 27 is a flow diagram of a method 2700 for adding and/or removing users from a database (such as the database 114), in accordance with some embodiments. Further, the method 2700 may include groups 2716. Further, at 2702, the method 2700 may include a step of creating a new group. Further, at 2704, the method 2700 may include a step of naming the
20 new group. Further, at 2706, the method 2700 may include a step of saving the new group. Further, at 2708, the method 2700 may include a step of adding users and types. Further, at 2710, the method 2700 may include a step of selecting or searching users. Further, at 2712, the method 2700 may include a step of adding or saving users. Further, at 2714, the method 2700 may include a step of confirming transmitting a confirmation notification (user added).
25 Further, at 2718, the method 2700 may include a step of inspecting a list view. Further, at

2720, the method 2700 may include a step of viewing users. Further, at 2722, the method 2700 may include a step of adding or deleting. Further, at 2724, the method 2700 may include a step of viewing status that may be active, pending or inactive. Further, at 2726, the method 2700 may include a step of adding a date. Further, at 2728, the method 2700 may include a step of editing the users. Further, at 2730, the method 2700 may include a step of removing the users. Further, at 2732, the method 2700 may include a step of providing a confirmation.

FIG. 28 is a flow diagram of a method 2800 for user login, in accordance with some embodiments. Further, the method 2800 may include users 2802. Further, at 2804, the method 2800 may include a step of adding a user. Further, at 2806, the method 2800 may include a step of importing CSV. Further, at 2808, the method 2800 may include a step of inviting an individual user with a name, email, and phone number. Further, the individual user may be app user 2810. Further, the individual user may be retrieved from sams user database 2812. Further, at 2814, the method 2800 may include a step of sending an email/text/app. Further, at 2816, the method 2800 may include a step of subscribing to ORG via PROCODE by the users. Further, at 2818, the method 2800 may include a step of logging in by the users. Further, at 2820, the method 2800 may include a step of listing users. Further, at 2822, the method 2800 may include a step of determining user's name, email, phone number, status, membership, and timestamp. Further, at 2824, the method 2800 may include a step of determining the role of the user. Further, at 2824, the method 2800 may include a step of determining user roles. Further, at 2826, the user may add user roles. Further, at 2828, the method 2800 may include a step of determining groups of the users. Further, at 2830, the user may be added to the group. Further, at 2832, the method 2800 may include a step of determining the profile of the users. Further, at 2834, the user may create a profile page.

FIG. 29 is a flow diagram of a method 2900 for adding a user to an organization subscriber list, in accordance with some embodiments. Therefore, if an organization sends a message, then the user (that may be added in the organization subscriber list) may receive the message as well. Further, 2902, the method 2900 may include a user. Further, 2904, the method 2900 may include a step of creating ProCode by organization (organization may have sub-Pro-codes) and making public. Further, the ProCode may be created by teachers or those with permission (push message only). Further, 2906, the user may become a subscriber. Further, 2908, the method 2900 may include a step of adding the user to an organization subscriber list. Further, 2910, the method 2900 may include a step of sending a message by the organization. Further, 2912, the message may be sent to the organization subscriber list. Further, 2914, the method 2900 may include a step of drawing geofence/filter. Further, at 2916, the method 2900 may include a step of searching or adding pro code to an app by the user. Further, 2918, the method 2900 may include a user incident. Further, 2920, the method 2900 may include a route to organization dispatch.

FIG. 30 is a flow diagram of a method 3000 for adding a role corresponding to a user, in accordance with some embodiments. Further, at 3002, the method 3000 may include a role. Further, at 3004, the method 3000 may include a step of assigning a new role. Further, at 3006, the method 3000 may include a step of providing name and description of the new role. Further, at 3008, the method 3000 may include a step of searching roles. Further, at 3010, the method 3000 may include a step of adding users to the role. Further, at 3012, the method 3000 may include a step of adding system permissions. Further, at 3014, the method may include a step of saving the roles.

FIG. 31 is a flow diagram of a method 3100 for granting permission associated with the role corresponding to a user, in accordance with some embodiments. Further, at 3102, the method 3100 may include instance permissions. Further, at 3104, the method 3100 may

include a step of creating a permission scheme. Further, at 3106, the method 3100 may include a step of listing permission schemes. Further, at 3108, the method 3100 may include a step of editing or removing permissions. Further, at 3110, the method 3100 may include a step of granting permission. Further, at 3112, the method 3100 may include a step of
5 choosing a permission type. Further, at 3114, the method 3100 may include a step of granting to the role. Further, at 3116, the method 3100 may include a step of saving the permission.

FIG. 32 is a flow diagram of a method 3200 to initiate a script associated with face recognition in order to verify if a user with the particular object may be an authorized user or not, in accordance with some embodiments. Further, the method 3200 may be configured to
10 identify a particular object (such as a gun and/or a weapon). Further, at 3202, the method 3200 may include a step of capturing frame by a CCTV. Further, at 3204, the method 3200 may include a step of capturing frame by a phone Cam or Bluetooth Cam. Further, at 3206, the method 3200 may include a step of saving the captured frame. Further, the phone Cam or Bluetooth Cam may be associated with an ID at 3208. Further, at 3230, the method 3200 may
15 include a step of performing tensor flow of object and facial recognition. Further, the method 3200 may include a step of image queuing of person 2 at 3212 and person 3 at 3210. Further, the method 3200 may include a step of initiating an AWS REK script which may include a person 1 at 3214. Further, at 3216, data of the person 1 may be stored in the temporary storage S3 image bucket. Further, at 3218, the method 3200 may include a step of pulling
20 API (AWS recognition API). Further, at 3220, the method 3200 may include a step of matching the data with image database. Further, at 3222, the image database may include mass image library import. Further, at 3224, the API may include log activity such as usage/cost management. Further, at 3226, the method 3200 may include a step of transmitting the data of each person to a web application. Further, the web application may include a list
25 of names. Further, the web application, in an instance, may include profile data of person 1

and person 2. Further, the web application, in an instance, may not include a record of person 3. Further, at 3228, the method 3200 may include a step of transmitting a notification to phone display associated with a user profile.

FIG. 33 is a flow diagram of a method 3300 to facilitate communication between the supervised user device and the supervisor device based on geofencing, in accordance with some embodiments. Further, at 3302, the method 3300 may include a step of opening an application. Further, at 3304, the method 3300 may include a step of determining if auto start on settings on or off. Further, if yes (on), at 3306, the method 3300 may include a step of capturing a video by a CCTV or mobile device. Further, the CCTV or mobile device may be associated with GPS location. Further, at 3308, the method 3300 may include a step of storing the video in a database. Further, at 3310, if no (off), the method 3300 may include a step of capturing a video. Further, at 3312, a user may click the start app (BTN). Further, at 3314, the method 3300 may include a step of determining if “shake on” setting is on or off. Further, if no, at 3316, the method 3300 may include a step of providing notification that shake is not on. Further, at 3318, the method 3300 may include a step of going to step 1. Further, at 3320, the user may click the send app (BTN). Further, at 3322, the method 3300 may include a step of determining if shake on confirmed. Further, at 3324, the method 3300 may include a step of checking for contacts. Further, at 3326, the method 3300 may include a step of providing a notification that no contacts may be added. Further, at 3328, the method 3300 may include a step of continuing to step 1. Further, at 3330, the method 3300 may include a step of transmitting the contacts to the mobile device. Further, at 3332, the method 3300 may include a step of determining a pro code user. Further, at 3334, if no pro code user is determined the method 3300 may include a step of retrieving data from geofence database. Further, at 3336, the method 3300 may include a step of checking geofencing database for the owner. Further, at 3338, the method 3300 may include a step of providing a notification if no

monitoring services are monitored in this location. Further, at 3340, the method 3300 may include a step of continuing to step 1. Further, at 3342, the method 3300 may include a step of determining is auto-route on in the setting. Further, at 3344, the method 3300 may include a step of requesting to send. Further, at 3346, the method 3300 may include a step of
5 continuing to step 1. Further, at 3348, the method 3300 may include a step of dispatching incident data. Further, at 3350, the method 3300 may include a step of stopping the process by the user. Further, at 3352, the method 3300 may include a step of ending the process by pre-defined end reason. Further, at 3354, the method 3300 may include a step of determining if auto send on settings on or off. Further, at 3356, if no, the method 3300 may include a step
10 of waiting for action and continuing to the step 2 of capturing.

FIG. 34 is a continuation flow diagram of the method 3300 used for explaining processes carried out as shown in FIG. 33.

FIG. 35 is a flow diagram illustrating various navigation paths with respect to user interfaces available to facilitate triggering the emergency scenario, in accordance with some
15 embodiments. Further, at 3502, if start is pressed, method may be followed by a user interface 3504. Further, if start is pressed on the user interface 3504, the method may be followed by a user interface 3518, as shown in FIG. 36. Further, if escalate is pressed on the user interface 3504, the method may be followed by a user interface 3508. Further, if chat is pressed on the user interface 3506, the method may follow a user interface 3514, as shown in
20 FIG. 36. Further, if the video recorder is pressed on the user interface 3514, the method may be followed by a user interface 3516. Further, if hide is pressed on the user interface 3504, the method may be followed by a user interface 3510. Further, if 911 is pressed on the user interface 3506, the method may follow a user interface 3512. Further, if escalate is pressed on the user interface 3502, the method may be followed by a user interface 3518.

FIG. 36 is a continuation flow diagram of a method used for explaining processes carried out as shown in FIG. 35.

FIG. 37 is a flow diagram of a method to facilitate communication between the supervised user device and the supervisor device based on geofencing, in accordance with some embodiments. Further, at 3702, the method may include a step of determining whether a phone is in stealth mode. Further, if no, the method may include a step of a user initiating an alert through a mobile device. Further, at 3704, the method may include dispatching. Further, if the dispatching is accepted, the method may include a step of transferring to step 3710. Further, at 3706, the method may include a step of determining whether CCTV is in a zone. Further, if yes, at 3718, the method may include a step of retrieving CCTV data from a database. Further, an emergency responder 3714 (one or many) may view video in multi-view 3716 using the mobile device. Further, the user may view dispatch list and contact (phone info) online/offline using the mobile device. Further, incident database 3712 may store/retrieve a data associated with the step 3710.

FIG. 38 is a flow diagram illustrating various navigation paths with respect to user interfaces available for a user device, in accordance with some embodiments. Further, the user device, in an instance, may be a GPS enabled device configured to support augmented reality (AR) technology, and/or facial recognition. Further, a user interface 3802 may include a push notification displaying an incident alert message from dispatch. Further, the user interface may include a user profile, incident type, and stealth (on/off). Further, the user interface may display rounds, notifications, incident history, messenger, etc. Further, a user interface 3804 may include a video in multi-view that may be associated with a CCTV database 3816. Further, a user interface 3806 may be linked to incident database 3818. Further, a user interface 3808 may include user profiles of at least one user. Further, a user interface 3814 may include a user profile, incident type, and stealth (on/off). Further, a user

interface 3812 may include a user profile with map with updated ETA. Further, a user interface 3810 may include a bird's eye view showing user profiles of users.

FIG. 39 is a continuation flow diagram of a method used for explaining processes carried out as shown in FIG. 38.

5 FIG. 40 is a flow diagram illustrating various navigation paths with respect to user interfaces available to trigger the emergency scenario, in accordance with some embodiments. Further, the user interface, in an instance, may allow the user to chat with one or more supervisors and/or emergency services in real-time. Further, the user may be allowed to video-call with the one or more supervisors and/or emergency services in real-time.

10 Further, a user interface 4002 may display emergency notifications. Further, at 4004, user interface may display video. Further, a user interface 4006 may display a user profile on a map with updated ETA from an emergency responder. Further, a user interface 4008 may display users. Further, a user interface 4010 may display chat buttons that may facilitate in chatting with a user.

15 FIG. 41 is a block diagram of a system 4100 to facilitate communication between a supervisor device 4102 and a supervised user device 4104 based on geofencing, in accordance with some embodiments. Accordingly, the system 4100, in an instance, may include (but not limited to) a supervisor device 4102, a supervised user device 4104, a sensor device 4106, a server 4108, etc. Further, the supervisor device 4102, in an instance, may be

20 any GPS enabled device that may be operated by a supervisor. Further, the supervisor, in an instance, may be any individual and/or organization that may wish to supervise other users (such as children). For instance, the supervisor may include, but not limited to, parents, teachers, doctors, guardians, caretakers, cops, etc. Further, the supervisor device 4102, in an instance, may be an IoT based device that may be configured to communicate with the server

25 4108 through a wired and/or wireless communication medium such as, but not limited to, a

Wi-Fi, a Bluetooth, an electromagnetic waveform, ultra-sound, cellular (5G) and/or an Infra-red, etc. Further, the supervisor device 4102, in an instance, may include devices such as (but not limited to) smartphones, smartwatches, laptops, PCs, etc.

Further, the supervised user device 4104, in an instance, may be a GPS enabled
5 device which may be operated by a supervised user. Further, the supervised user, in an instance, may be an individual that may need to be supervised by the supervisor. For instance, the supervised user may include a child going to a school that may need to be supervised by the parents with regard to a location associated with the child. Further, in another instance, the supervised user may be a patient in a hospital that may need to be supervised by
10 caretakers and/or doctors with regard to a location associated with the patient. Further, the supervised user device 4104, in an instance, may be configured to communicate with the server 4108 through a wired and/or wireless communication medium such as, but not limited to, a Wi-Fi, a Bluetooth, an electromagnetic waveform, ultra-sound, cellular (5G) and/or an Infra-red, etc. Further, the supervised user device 4104, in an instance, may include devices
15 such as (but not limited to) smartphones, smartwatches, laptops, PCs, etc. Further, the supervised user device 4104, in an instance, may include one or more sensors that may be configured to capture sensory data associated with the supervised user. Further, the sensory data, in an instance, may include any data and/or information that may reflect something of interest about the supervised user. For instance, the sensory data may include a live location
20 associated with the supervised user (such as a child). Further, in another instance, the sensory data may include multimedia content (such as, but not limited to, an image, a video, a live audiovisual content, etc.) associated with a surrounding of the supervised user. Further, the one or more sensors, in an instance, may include, but not limited to, location sensors (such as GPS), motion sensors, camera sensors, audio sensors (such as a microphone), proximity
25 sensors, etc.

Further, the supervisor device 4102, in an instance, may allow the supervisor to map a facility and/or create a geofence within and/or around the facility. Further, the facility, in general, may be any space that may be associated with the supervised user. For instance, the facility may include, but not limited to, a school, a hospital, an office, a restaurant, a building, a road, a construction site, and/or a forest area, etc. Further, the geofence, in an instance, may be a set of boundaries within and/or around the facility that may be set by the supervisor in order to track entry and/or exit events of the supervised user into and/or from the geofence. For instance, the supervisor (such as parents) may be notified (through an alert which may be transmitted to the supervisor device 4102 by the server 4108) when the supervised user (such as a child) may enter and/or exit the geofence. Further, in another instance, the supervisor (such as parents) may be notified when the supervised user (such as a child) may be present in a location at a time instant when the child is not supposed to be present at that location. Further, the geofence, in an instance, may be any area within and/or around the facility that may require relatively higher surveillance. For instance, the geofence may include key places within the facility where relatively more number of incidents (such as, but not limited to, criminal activities) have taken place in recent times. Further, the key place, in an instance, may include locations such as, but not limited to, a corridor, a room, an open ground, an intersection, a busy hallway, an alleyway, etc.

Further, the supervisor, in an instance, may create the geofence by interacting with the supervisor device 4102. For instance, in one embodiment, the supervisor may provide (through a keyboard and/or a touch-screen panel associated with the supervisor device 4102) a name associated with the key place. Further, in another instance, the supervisor may provide (through a keyboard and/or a touch-screen panel associated with the supervisor device 4102) latitudinal, longitudinal, and/or altitude coordinates associated with the key place. Further, in another instance, the supervisor may drop a pin and/or select (through a

trackpad and/or a touch-screen panel associated with the supervisor device 4102) a location on a map associated with the facility in order to create the geofence within and/or around the facility. Further, the supervisor, in an instance, may create more than one geofence by adding more locations (and/or adding multiple points, check-points, etc.) by interacting with the
5 supervisor device 4102.

Further, in some embodiments, the supervisor device 4102, in an instance, may allow the supervisor to create the geofence based on a physical movement of the supervisor. For instance, the supervisor may allow the server 4108 to track a location associated with the physical movement of the supervisor device 4102 when the supervisor may provide a signal
10 to the server 4108 to start tracking the location (such as by tapping on a “responder button” option that may be available on a user interface associated with the supervisor device 4102). Further, the server 4108, in an instance, may be configured to receive location data from the location sensors of the supervisor device 4102. Further, the server 4108, in an instance, may receive the location data until the supervisor may provide an indication signal to the server
15 4108 to stop tracking the location (such as by tapping on a “stop tracking” option that may be available on a user interface associated with the supervisor device 4102). Further, the server 4108, in an instance, may be configured to analyze the location data. Further, the server 4108, in an instance, may be configured to generate a geofence data based on the analyses of the location data. Further, the geofence data, in an instance, may be any data and/or information
20 that may reflect a real-world location of the geofence in a digital form. Further, the geofence data, in an instance, may include information such as (but not limited to) name, coordinates, size (such as area), etc. associated with the geofence. Further, the server 4108, in an instance, may be configured to store the geofence data in a database (such as the database 4214).

Further, in some embodiments, the supervisor device 4102, in an instance, may allow
25 the supervisor to create the geofence based on audio data. Further, the audio data, an instance,

may be any audible phrase which may be said by the supervisor in order to create the geofence. For instance, the supervisor may provide an audible phrase such as “create a geofence for a location with relatively higher incidents in recent times.” Further, the supervisor device 4102, in an instance, may be configured to sense the audio data through the

5 audio sensor (such as the microphone) that may be embedded within the supervisor device 4102. Further, the supervisor device 4102, in an instance, may be configured to transmit the audio data to the server 4108. Further, the server 4108, in an instance, may be configured to analyze the audio signal. Further, the analyses, in an instance, may include audio analysis (e.g. speech recognition, speaker recognition, etc.). Further, the server 4108, in an instance,

10 may be configured to determine the geofence based on the analyses by retrieving data from other databases. For instance, in order to determine locations with relatively higher incidents (and/or criminal activities) in recent times, the server 4108 may retrieve data from a database associated with multiple organizations (such as, but not limited to, police stations) that may be storing historical criminal activities.

15 Further, the system 4100, in an instance, may include the sensor device 4106 that may be disposed within and/or around the facility. The sensor device 4106, in an instance, may be devices that may be configured to collect sensor data associated with an incident that may take place in the vicinity of the facility. Further, the incident, in an instance, may be an event in which the supervised user may require assistance from the supervisor and/or from

20 emergency services (such as police, medical services, fire services, news services, etc.). For instance, the incident may include (but not limited to) a criminal event, a police chase, etc. Further, the sensor data, in an instance, may include audio data, audiovisual data, textual data, location data, etc. Further, the sensor device 4106, in an instance, may include (but not limited to) a CCTV camera, a microphone, a motion detector, a face detecting setup, a

25 biometric scanner, etc. Further, the sensor device 4106, in an instance, may be configured to

communicate with the server 4108 through a wired and/or a wireless communication medium such as, but not limited to, a Wi-Fi, a Bluetooth, an electromagnetic waveform, ultra-sound, cellular (5G) and/or an Infra-red, etc. Further, in some embodiments, the sensor device 4106, in an instance, may be embedded within an unmanned aerial vehicle (such as a drone).

5 Further, the drone, in an instance, may be configured to be deployed to a location within and/or around the facility where the incident may be taking place. Further, the drone, in an instance, may be configured to monitor the incident (through the sensor device 4106 that may be embedded within the drone) and/or may be configured to transmit the sensor data to the server 4108.

10 Further, the server 4108, in an instance, may be configured to analyze the sensor data received from the sensor device 4106. Further, the analyses, in an instance, may include processes such as data extraction (e.g. numerical value extraction, format conversion, etc.), data analysis (e.g. statistical analysis, etc.), image analysis (e.g. OCR, object recognition, face recognition, etc.), audio analysis (e.g. speech recognition, speaker recognition, etc.) and so
15 on. Further, the server 4108, in an instance, may be configured to trigger an emergency scenario based on the analyses of the sensor data. Further, the emergency scenario, in an instance, may be an event in which the supervised user may be able to communicate with one or more supervisors and/or emergency services. Further, in some embodiments, the emergency scenario may be triggered if the supervised user may click a button (such as a
20 dispatch button) on the supervised user device 4104, and/or may shake the supervised user device 4104, etc. Further, the emergency scenario may be triggered if the supervised user (such as a child) may provide a certain audible phrase to the supervised user device 4104.

FIG. 42 is an illustration of an online platform 4200 consistent with various embodiments of the present disclosure. By way of non-limiting example, the online platform
25 4200 to facilitate supervision of individuals based on geofencing may be hosted on a

centralized server 4202, such as, for example, a cloud computing service. The centralized server 4202 may communicate with other network entities, such as, for example, a mobile device 4206 (such as a smartphone, a laptop, a tablet computer, etc.), other electronic devices 4210 (such as desktop computers, server computers, etc.), databases 4214, and sensors 4216
5 over a communication network 4204, such as, but not limited to, the Internet. Further, users of the online platform 4200 may include relevant parties such as, but not limited to, end-users, administrators, service providers, service consumers and so on. Accordingly, in some instances, electronic devices operated by the one or more relevant parties may be in communication with the platform.

10 A user 4212, such as the one or more relevant parties, may access online platform 4200 through a web-based software application or browser. The web-based software application may be embodied as, for example, but not be limited to, a website, a web application, a desktop application, and a mobile application compatible with a computing device 4300.

15 With reference to FIG. 43, a system consistent with an embodiment of the disclosure may include a computing device or cloud service, such as computing device 4300. In a basic configuration, computing device 4300 may include at least one processing unit 4302 and a system memory 4304. Depending on the configuration and type of computing device, system memory 4304 may comprise, but is not limited to, volatile (e.g. random-access memory
20 (RAM)), non-volatile (e.g. read-only memory (ROM)), flash memory, or any combination. System memory 4304 may include operating system 4305, one or more programming modules 4306, and may include a program data 4307. Operating system 4305, for example, may be suitable for controlling computing device 4300's operation. In one embodiment, programming modules 4306 may include image-processing module, machine learning

module. Furthermore, embodiments of the disclosure may be practiced in conjunction with a graphics library, other operating systems, or any other application program and is not limited to any particular application or system. This basic configuration is illustrated in FIG. 43 by those components within a dashed line 4308.

5 The computing device 4300 may have additional features or functionality. For example, the computing device 4300 may also include additional data storage devices (removable and/or non-removable) such as, for example, magnetic disks, optical disks, or tape. Such additional storage is illustrated in FIG. 43 by a removable storage 4309 and a non-removable storage 4310. Computer storage media may include volatile and non-volatile,
10 removable and non-removable media implemented in any method or technology for storage of information, such as computer-readable instructions, data structures, program modules, or other data. System memory 4304, removable storage 4309, and non-removable storage 4310 are all computer storage media examples (i.e., memory storage.) Computer storage media may include, but is not limited to, RAM, ROM, electrically erasable read-only memory
15 (EEPROM), flash memory or other memory technology, CD-ROM, digital versatile disks (DVD) or other optical storage, magnetic cassettes, magnetic tape, magnetic disk storage or other magnetic storage devices, or any other medium which can be used to store information and which can be accessed by computing device 4300. Any such computer storage media may be part of device 4300. Computing device 4300 may also have input device(s) 4312 such
20 as a keyboard, a mouse, a pen, a sound input device, a touch input device, a location sensor, a camera, a biometric sensor, etc. Output device(s) 4314 such as a display, speakers, a printer, etc. may also be included. The aforementioned devices are examples and others may be used.

 Computing device 4300 may also contain a communication connection 4316 that may allow device 4300 to communicate with other computing devices 4318, such as over a
25 network in a distributed computing environment, for example, an intranet or the Internet.

Communication connection 4316 is one example of communication media. Communication media may typically be embodied by computer readable instructions, data structures, program modules, or other data in a modulated data signal, such as a carrier wave or other transport mechanism, and includes any information delivery media. The term “modulated data signal”
5 may describe a signal that has one or more characteristics set or changed in such a manner as to encode information in the signal. By way of example, and not limitation, communication media may include wired media such as a wired network or direct-wired connection, and wireless media such as acoustic, radio frequency (RF), infrared, and other wireless media. The term computer-readable media as used herein may include both storage media and
10 communication media.

As stated above, a number of program modules and data files may be stored in system memory 4304, including operating system 4305. While executing on processing unit 4302, programming modules 4306 (e.g., application 4320 such as a media player) may perform processes including, for example, one or more stages of methods, algorithms, systems,
15 applications, servers, databases as described above. The aforementioned process is an example, and processing unit 4302 may perform other processes.

Generally, consistent with embodiments of the disclosure, program modules may include routines, programs, components, data structures, and other types of structures that may perform particular tasks or that may implement particular abstract data types. Moreover,
20 embodiments of the disclosure may be practiced with other computer system configurations, including hand-held devices, general-purpose graphics processor-based systems, multiprocessor systems, microprocessor-based or programmable consumer electronics, application-specific integrated circuit-based electronics, minicomputers, mainframe computers, and the like. Embodiments of the disclosure may also be practiced in distributed
25 computing environments where tasks are performed by remote processing devices that are

linked through a communications network. In a distributed computing environment, program modules may be located in both local and remote memory storage devices.

Furthermore, embodiments of the disclosure may be practiced in an electrical circuit comprising discrete electronic elements, packaged or integrated electronic chips containing
5 logic gates, a circuit utilizing a microprocessor, or on a single chip containing electronic elements or microprocessors. Embodiments of the disclosure may also be practiced using other technologies capable of performing logical operations such as, for example, AND, OR, and NOT, including but not limited to mechanical, optical, fluidic, and quantum technologies. In addition, embodiments of the disclosure may be practiced within a general-purpose
10 computer or in any other circuits or systems.

Embodiments of the disclosure, for example, may be implemented as a computer process (method), a computing system, or as an article of manufacture, such as a computer program product or computer-readable media. The computer program product may be a computer storage media readable by a computer system and encoding a computer program of
15 instructions for executing a computer process. The computer program product may also be a propagated signal on a carrier readable by a computing system and encoding a computer program of instructions for executing a computer process. Accordingly, the present disclosure may be embodied in hardware and/or in software (including firmware, resident software, micro-code, etc.). In other words, embodiments of the present disclosure may take the form
20 of a computer program product on a computer-usable or computer-readable storage medium having computer-usable or computer-readable program code embodied in the medium for use by or in connection with an instruction execution system. A computer-usable or computer-readable medium may be any medium that can contain, store, communicate, propagate, or transport the program for use by or in connection with the instruction execution system,
25 apparatus, or device.

The computer-usable or computer-readable medium may be, for example, but not limited to, an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system, apparatus, device, or propagation medium. More specific computer-readable medium examples (a non-exhaustive list), the computer-readable medium may include the following:

5 an electrical connection having one or more wires, a portable computer diskette, a random-access memory (RAM), a read-only memory (ROM), an erasable programmable read-only memory (EPROM or Flash memory), an optical fiber, and a portable compact disc read-only memory (CD-ROM). Note that the computer-usable or computer-readable medium could even be paper or another suitable medium upon which the program is printed, as the program

10 can be electronically captured, via, for instance, optical scanning of the paper or other medium, then compiled, interpreted, or otherwise processed in a suitable manner, if necessary, and then stored in a computer memory.

Embodiments of the present disclosure, for example, are described above with reference to block diagrams and/or operational illustrations of methods, systems, and

15 computer program products according to embodiments of the disclosure. The functions/acts noted in the blocks may occur out of the order as shown in any flowchart. For example, two blocks shown in succession may, in fact, be executed substantially concurrently or the blocks may sometimes be executed in the reverse order, depending upon the functionality/acts involved.

20 While certain embodiments of the disclosure have been described, other embodiments may exist. Furthermore, although embodiments of the present disclosure have been described as being associated with data stored in memory and other storage mediums, data can also be stored on or read from other types of computer-readable media, such as secondary storage devices, like hard disks, solid-state storage (e.g., USB drive), or a CD-ROM, a carrier wave

25 from the Internet, or other forms of RAM or ROM. Further, the disclosed methods' stages

may be modified in any manner, including by reordering stages and/or inserting or deleting stages, without departing from the disclosure.

Although the present disclosure has been explained in relation to its preferred embodiment, it is to be understood that many other possible modifications and variations can
5 be made without departing from the spirit and scope of the disclosure.

The following is claimed:

1. A method for facilitating supervision of individuals based on geofencing, the method comprising:

5 receiving, using a communication device, at least one parameter from at least one supervisor device associated with at least one supervisor;

receiving, using the communication device, a geographical location from the at least one supervisor device;

analyzing, using a processing device, the geographical location based on the at least one security parameter;

10 generating, using the processing device, a geofence corresponding to a geographical area based on the analyzing;

receiving, using the communication device, at least one supervisee data associated with a supervisee from at least one supervisee device;

analyzing, using the processing device, the at least one supervisee data based on the geofence;

15 generating, using the processing device, a supervision notification based on the analyzing of the at least one supervisee data;

transmitting, using the communication device, the supervision notification to the at least one supervisor device; and

20 storing, using a storage device, the at least one supervisee data and the supervision notification.

2. The method of claim 1 further comprising:

receiving, using the communication device, at least one location indication associated with the geographical area from the at least one supervisor device;

identifying, using the processing device, at least one location corresponding to the at least one location indication;

analyzing, using the processing device, the at least one supervisee data based on the at least one location; and

5 determining, using the processing device, a location anomaly based on the analyzing of the at least one supervisee data based on the at least one location, wherein the generating of the supervision notification is based on the determining.

3. The method of claim 1, wherein the supervision notification comprises at least one supervisee event, wherein the at least one supervisee event is associated with at least one action, wherein the method comprises:

10 determining, using the processing device, the at least one action based on the supervision notification; and

 performing, using the processing device, the at least one action based on the determining, wherein the at least one action comprises an establishment of a communication session between the at least one supervisor device and the at least one supervisee device.

4. The method of claim 1 further comprising:

 identifying, using the processing device, the supervisee based on the analyzing of the at least one supervisee data; and

20 retrieving, using the storage device, supervisee profile data associated with the supervisee based on the identifying, wherein the generating of the supervision notification is based on the retrieving.

5. The method of claim 1 further comprising:

 identifying, using the processing device, at least one object associated with the supervisee based on the analyzing of the at least one supervisee data; and

determining, using the processing device, a lethality of the at least one object based on the identifying, wherein the generating of the supervision notification is based on the determining.

6. The method of claim 1 further comprising:

5 receiving, using the communication device, at least one environment data associated the geographical area corresponding to the geofence;
analyzing, using the processing device, the at least one environment data; and
determining, using the processing device, at least one threat based on the analyzing of the at least one environment data, wherein the generating of the
10 supervisor notification is based on the determining.

7. The method of claim 1 further comprising:

retrieving, using the storage device, a blueprint associated with the geographical area corresponding to the geofence;
analyzing, using the processing device, the blueprint and the at least one
15 supervisee data; and
determining, using the processing device, a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining.

8. The method of claim 1, wherein the at least one supervisee device comprises at least
20 one sensor, wherein the at least one sensor is configured for detecting at least one signal made by the supervisee, wherein the at least one sensor is configured for generating the at least one supervisee data based on the detecting.

9. The method of claim 1, wherein the geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence comprises a plurality of
25 geofence grid boxes associated with the geofence area, wherein each geofence grid

box is characterized by a grid box geofence area of the geofence area, wherein the method comprises:

receiving, using the communication device, at least one grid parameter from the at least one supervisor device;

5 analyzing, using the processing device, the at least one grid parameter;

determining, using the processing device, the grid box geofence area based on the analyzing of the at least one grid parameter; and

generating, using the processing device, a number of geofence grid boxes based on the determining.

10 10. The method of claim 1, wherein the supervisee is associated with at least one near field communication (NFC) identification, wherein the method comprises:

receiving, using the communication device, at least one NFC indication corresponding to the at least NFC identification from the at least one supervisee device; and

15 identifying, using the processing device, the supervisee based on the at least one NFC indication, wherein the generating of the supervision notification is based on the identifying.

11. A system for facilitating supervision of individuals based on geofencing, the system comprising:

20 a communication device configured for:

receiving at least one parameter from at least one supervisor device associated with at least one supervisor;

receiving a geographical location from the at least one supervisor device;

receiving at least one supervisee data associated with a supervisee from
at least one supervisee device; and

transmitting a supervision notification to the at least one supervisor
device;

5 a processing device configured for:

analyzing the geographical location based on the at least one security
parameter;

generating a geofence corresponding to a geographical area based on
the analyzing;

10 analyzing the at least one supervisee data based on the geofence; and
generating the supervision notification based on the analyzing of the at
least one supervisee data; and

a storage device configured for storing the at least one supervisee data and the
supervision notification.

15 12. The system of claim 11, wherein the communication device is further configured for
receiving at least one location indication associated with the geographical area from
the at least one supervisor device, wherein the processing device is further configured
for:

20 identifying at least one location corresponding to the at least one location
indication;

analyzing the at least one supervisee data based on the at least one location;
and

determining a location anomaly based on the analyzing of the at least one supervisee data based on the at least one location, wherein the generating of the supervision notification is based on the determining.

13. The system of claim 11, wherein the supervision notification comprises at least one supervisee event, wherein the at least one supervisee event is associated with at least one action, wherein the processing device is further configured for:

determining the at least one action based on the supervision notification; and

performing the at least one action based on the determining, wherein the at least one action comprises an establishment of a communication session between the at least one supervisor device and the at least one supervisee device.

14. The system of claim 11, wherein the processing device is further configured for identifying the supervisee based on the analyzing of the at least one supervisee data, wherein the storage device is configured for retrieving supervisee profile data associated with the supervisee based on the identifying, wherein the generating of the supervision notification is based on the retrieving.

15. The system of claim 11, wherein the processing device is further configured for:

identifying at least one object associated with the supervisee based on the analyzing of the at least one supervisee data; and

determining a lethality of the at least one object based on the identifying,

wherein the generating of the supervision notification is based on the determining.

16. The system of claim 11, wherein the communication device is further configured for receiving at least one environment data associated the geographical area corresponding to the geofence, wherein the processing device is further configured for:

analyzing the at least one environment data; and

determining at least one threat based on the analyzing of the at least one environment data, wherein the generating of the supervisor notification is based on the determining.

17. The system of claim 11, wherein the storage device is further configured for retrieving a blueprint associated with the geographical area corresponding to the geofence, wherein the processing device is further configured for analyzing the blueprint and the at least one supervisee data; and

determining a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining.

18. The system of claim 11, wherein the at least one supervisee device comprises at least one sensor, wherein the at least one sensor is configured for detecting at least one signal made by the supervisee, wherein the at least one sensor is configured for generating the at least one supervisee data based on the detecting.

19. The system of claim 11, wherein the geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area, wherein each geofence grid box is characterized by a grid box geofence area of the geofence area, wherein the communication device is further configured for receiving at least one grid parameter from the at least one supervisor device, wherein the processing device is further configured for:

analyzing the at least one grid parameter;

determining the grid box geofence area based on the analyzing of the at least one grid parameter; and

generating a number of geofence grid boxes based on the determining.

20. The system of claim 11, wherein the supervisee is associated with at least one near field communication (NFC) identification, wherein the communication device is further configured for receiving at least one NFC indication corresponding to the at least NFC identification from the at least one supervisee device, wherein the
- 5 processing device is further configured for identifying the supervisee based on the at least one NFC indication, wherein the generating of the supervision notification is based on the identifying.

ABSTRACT

Disclosed herein is a method for facilitating supervision of individuals based on geofencing. Accordingly, the method may include receiving, using a communication device, a parameter from a supervisor device associated with a supervisor and a geographical
5 location from the supervisor device. Further, the method may include analyzing, using a processing device, the geographical location based on a security parameter and generating a geofence corresponding to a geographical area based on the analyzing. Further, the method may include receiving, using the communication device, supervisee data associated with a supervisee from a supervisee device. Further, the method may include analyzing, using the
10 processing device, the supervisee data based on the geofence and generating a supervision notification based on the analyzing of the supervisee data. Further, the method may include transmitting, using the communication device, the supervision notification to the supervisor device.

15

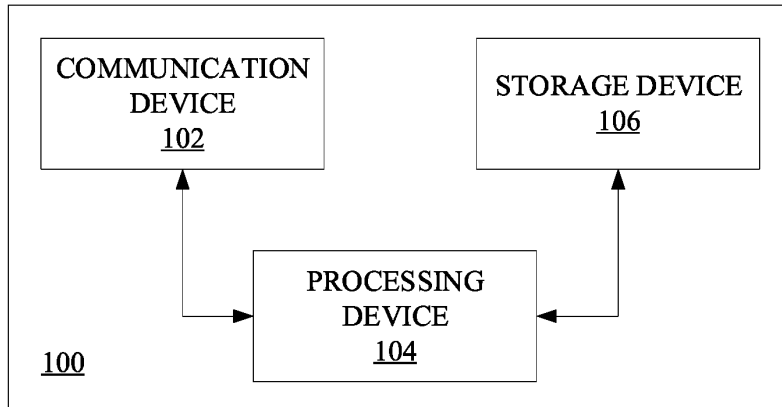
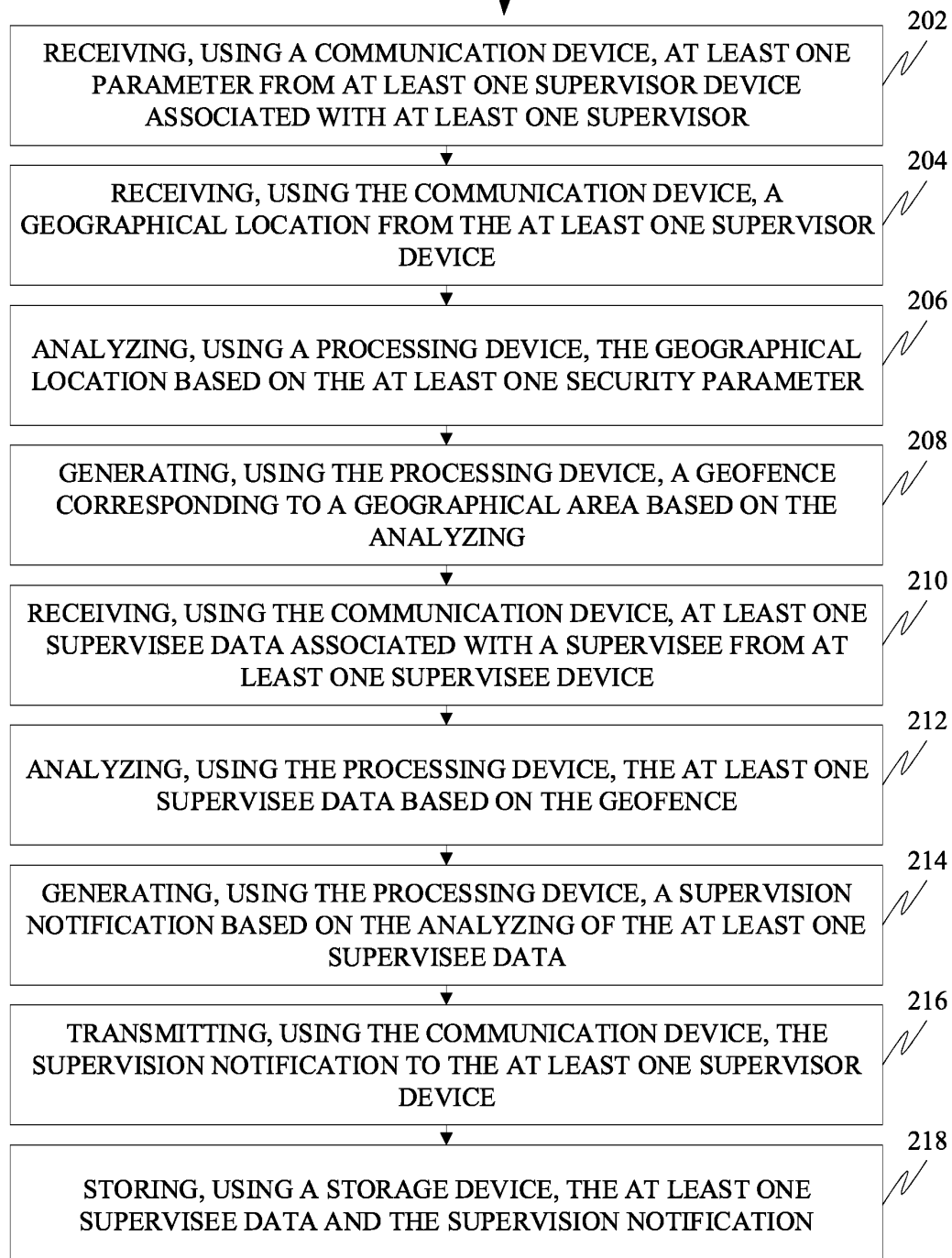


FIG. 1

**FIG. 2**

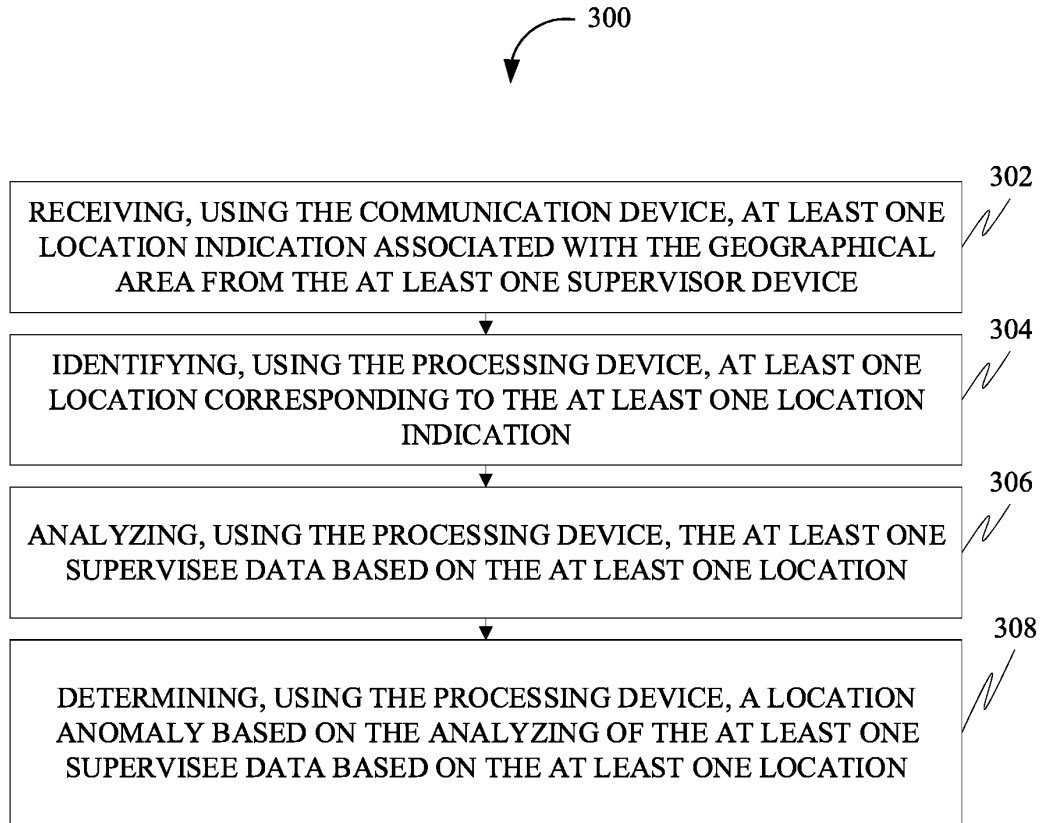


FIG. 3

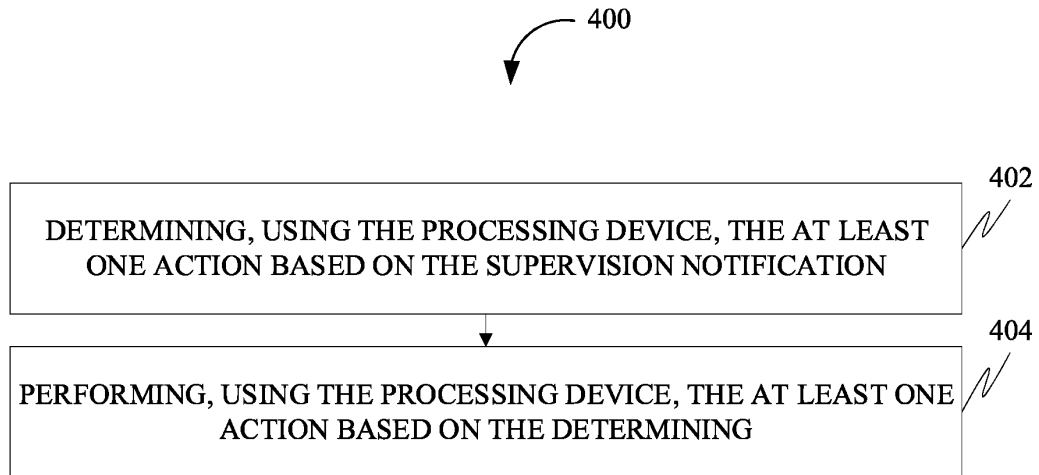


FIG. 4

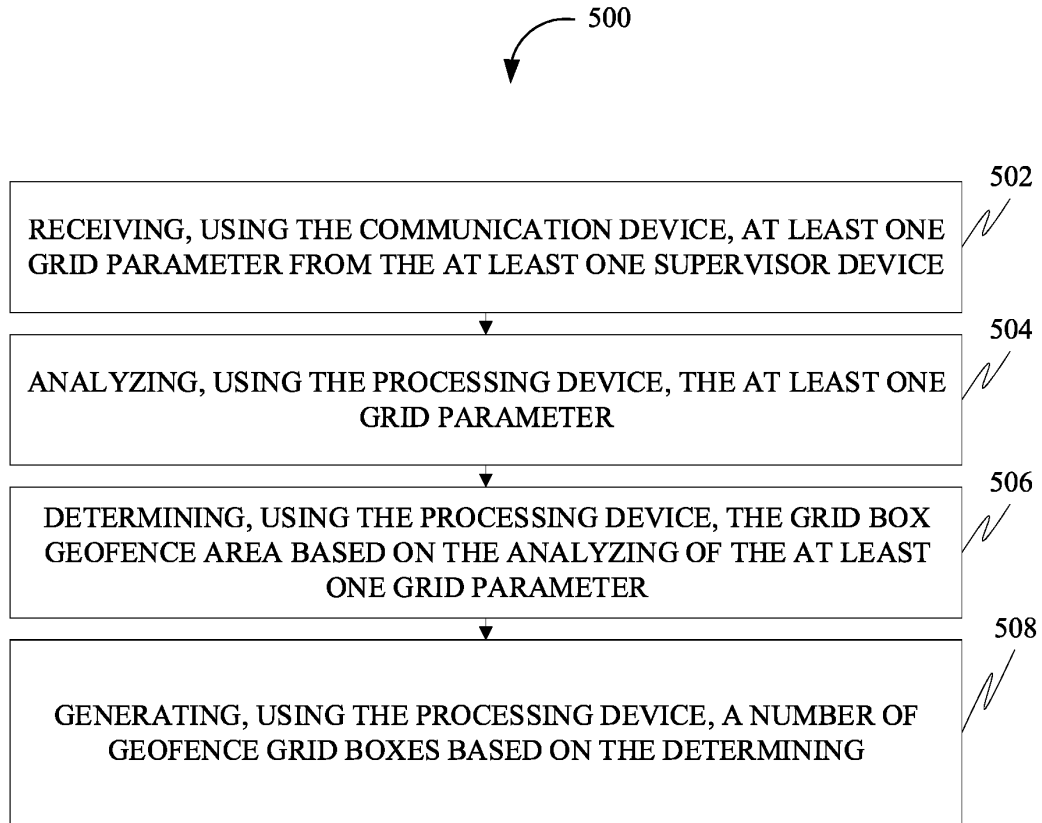


FIG. 5

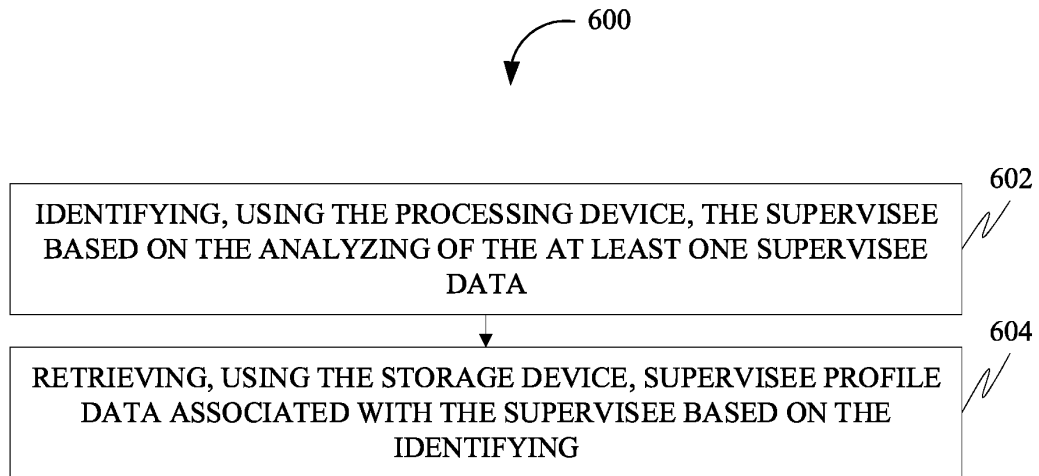


FIG. 6

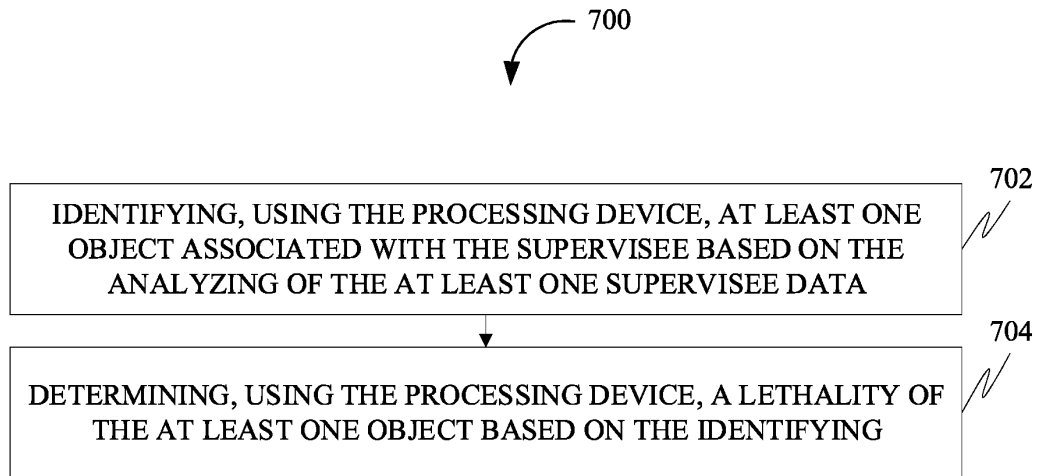


FIG. 7

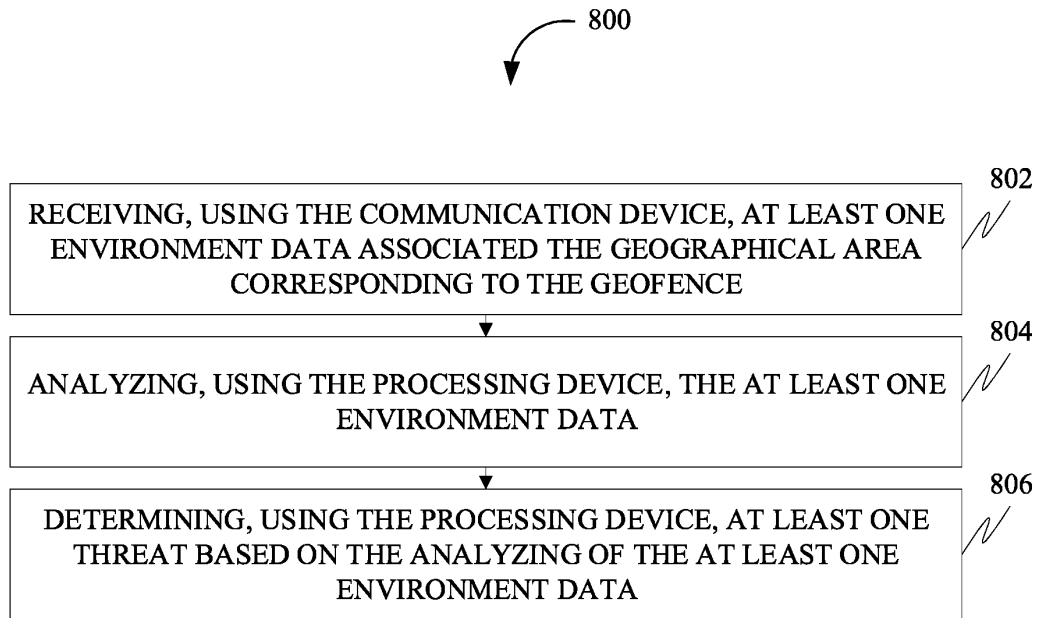


FIG. 8

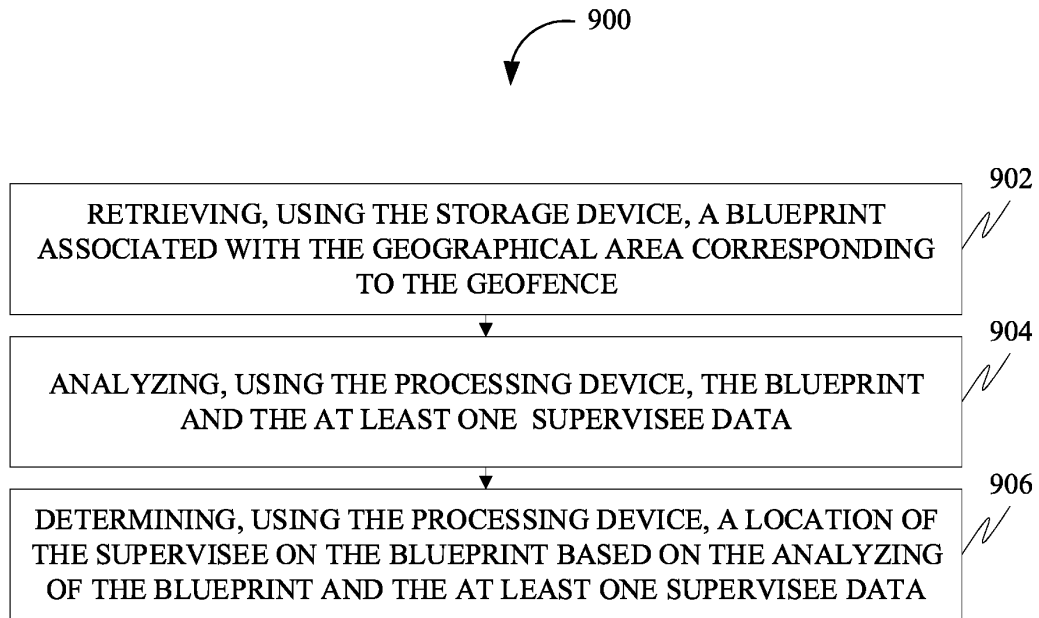


FIG. 9

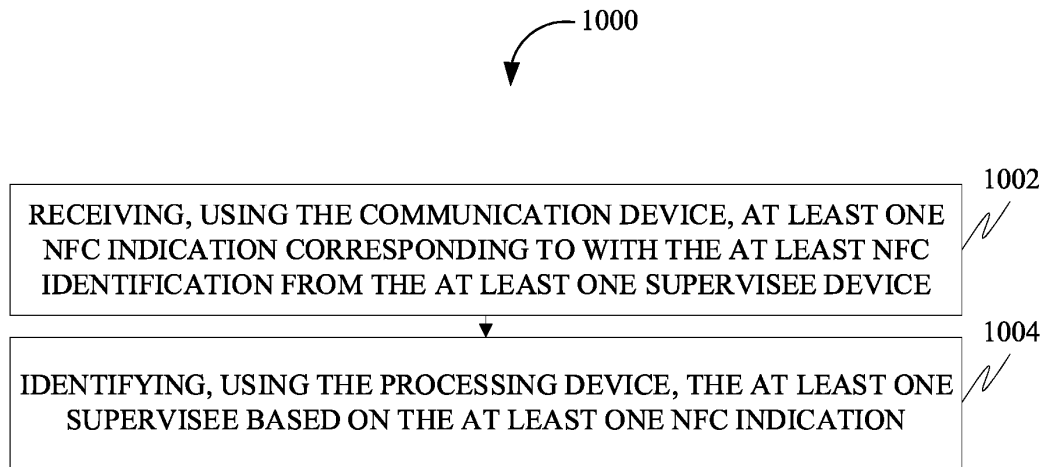
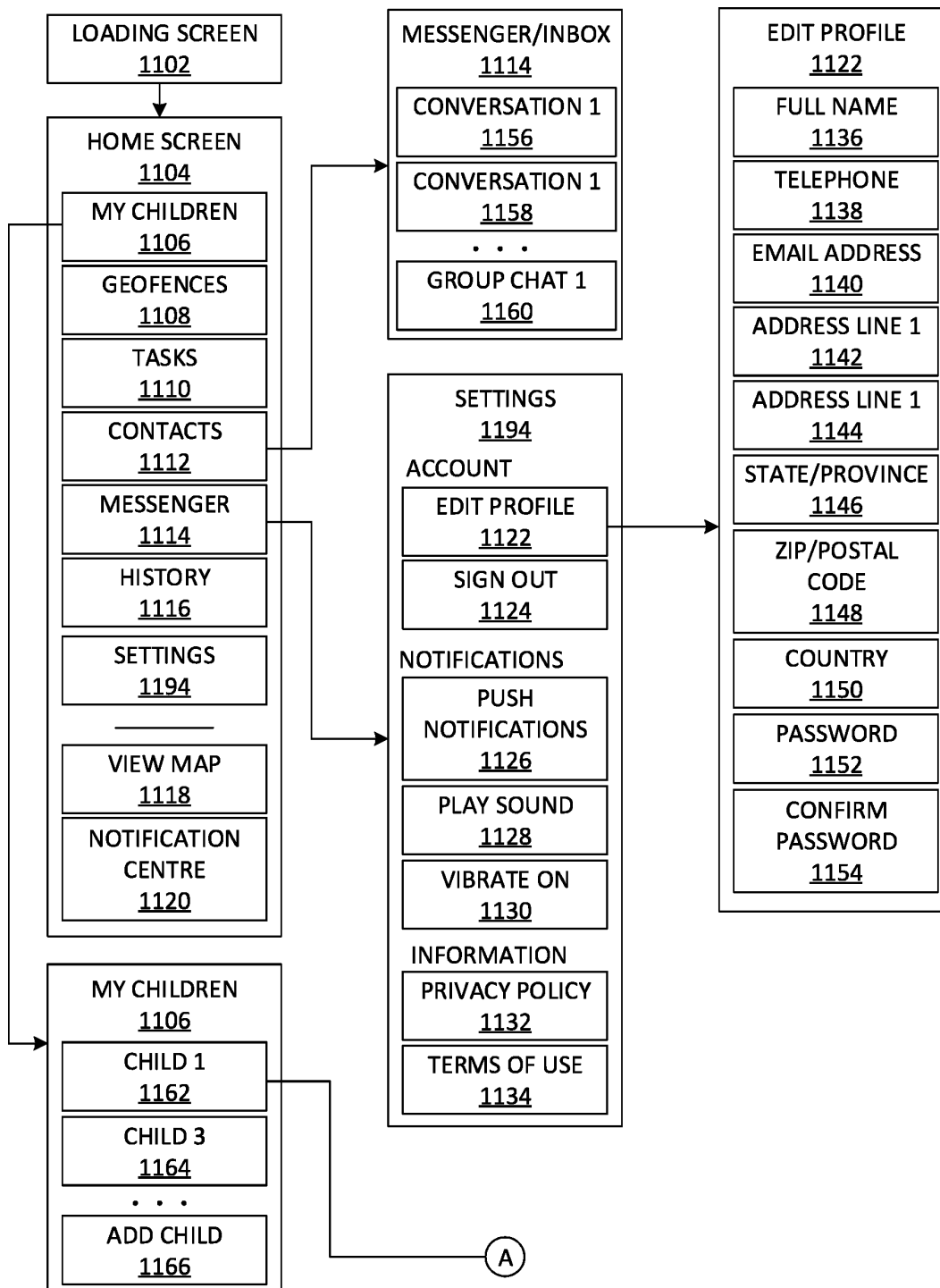
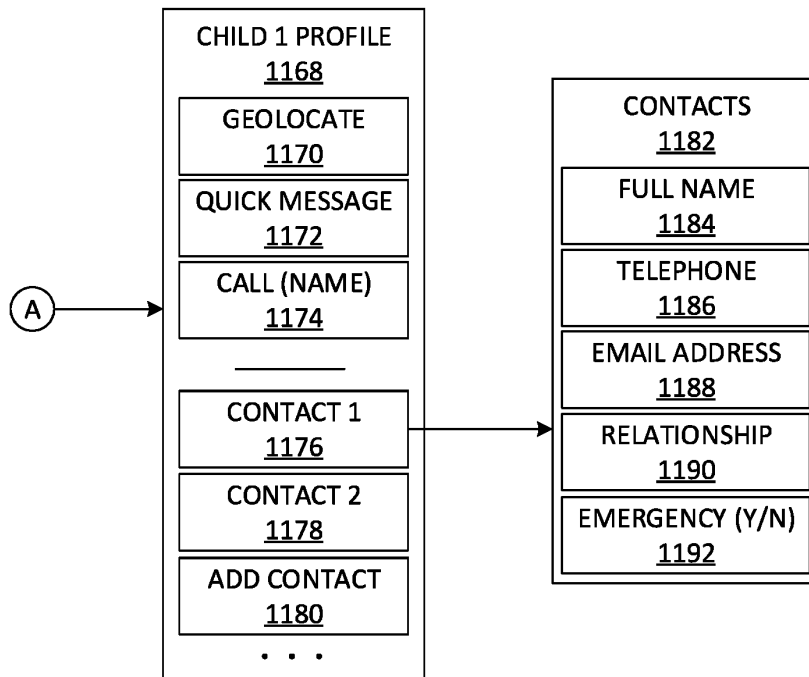


FIG. 10

**FIG. 11**

**FIG. 12**

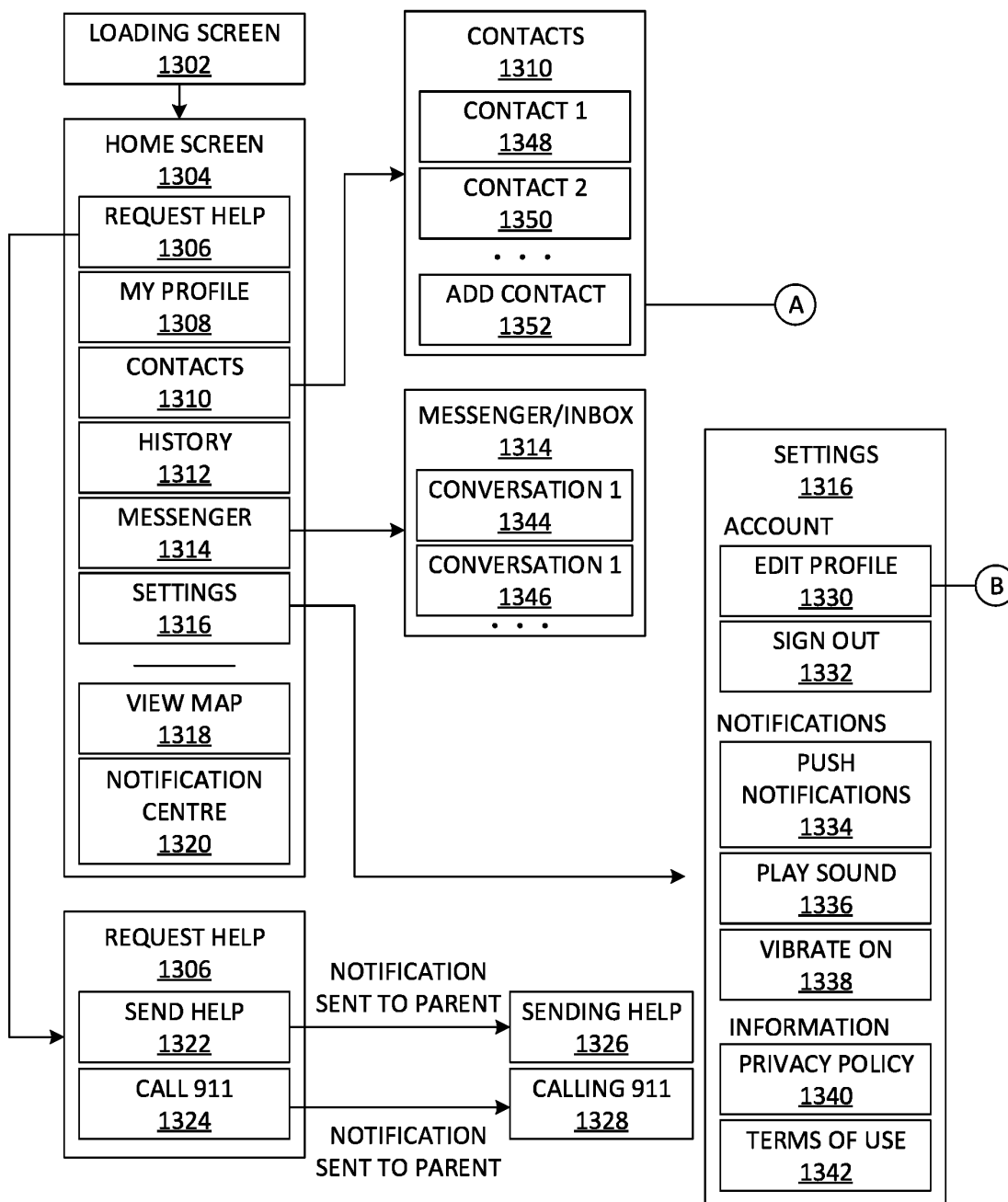
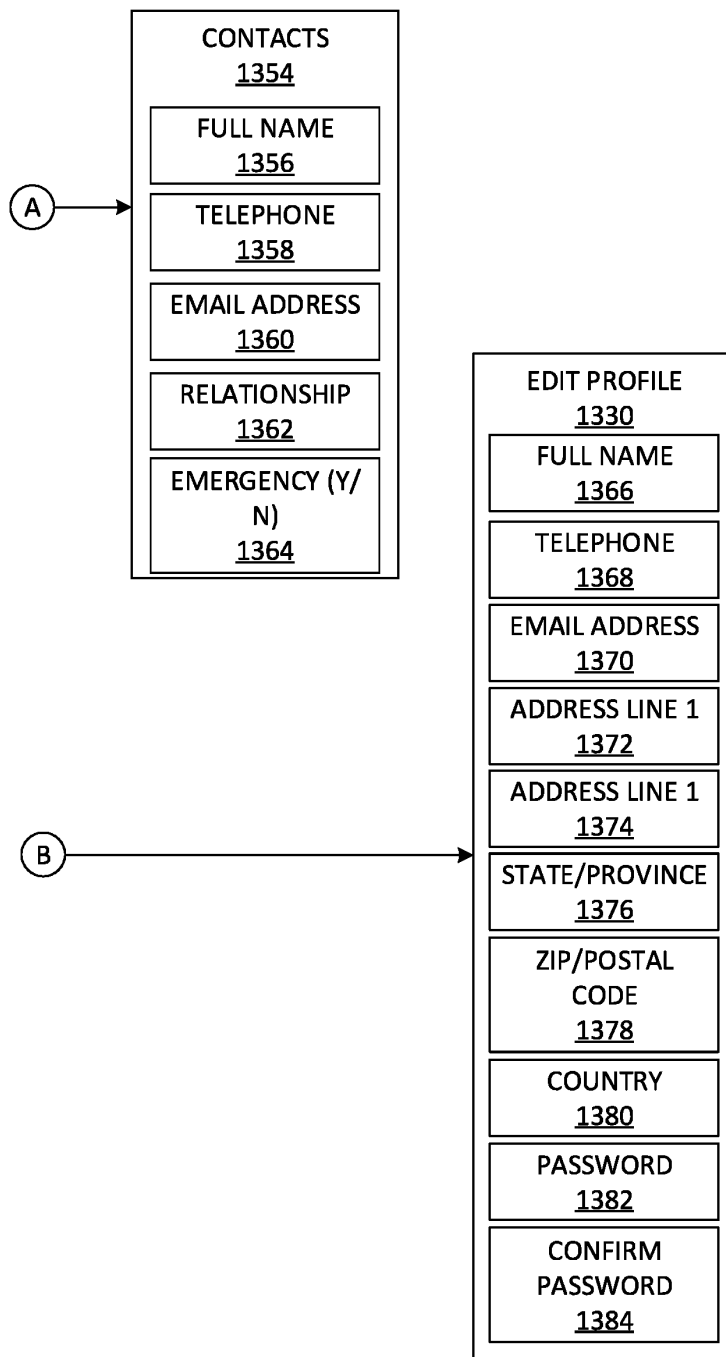
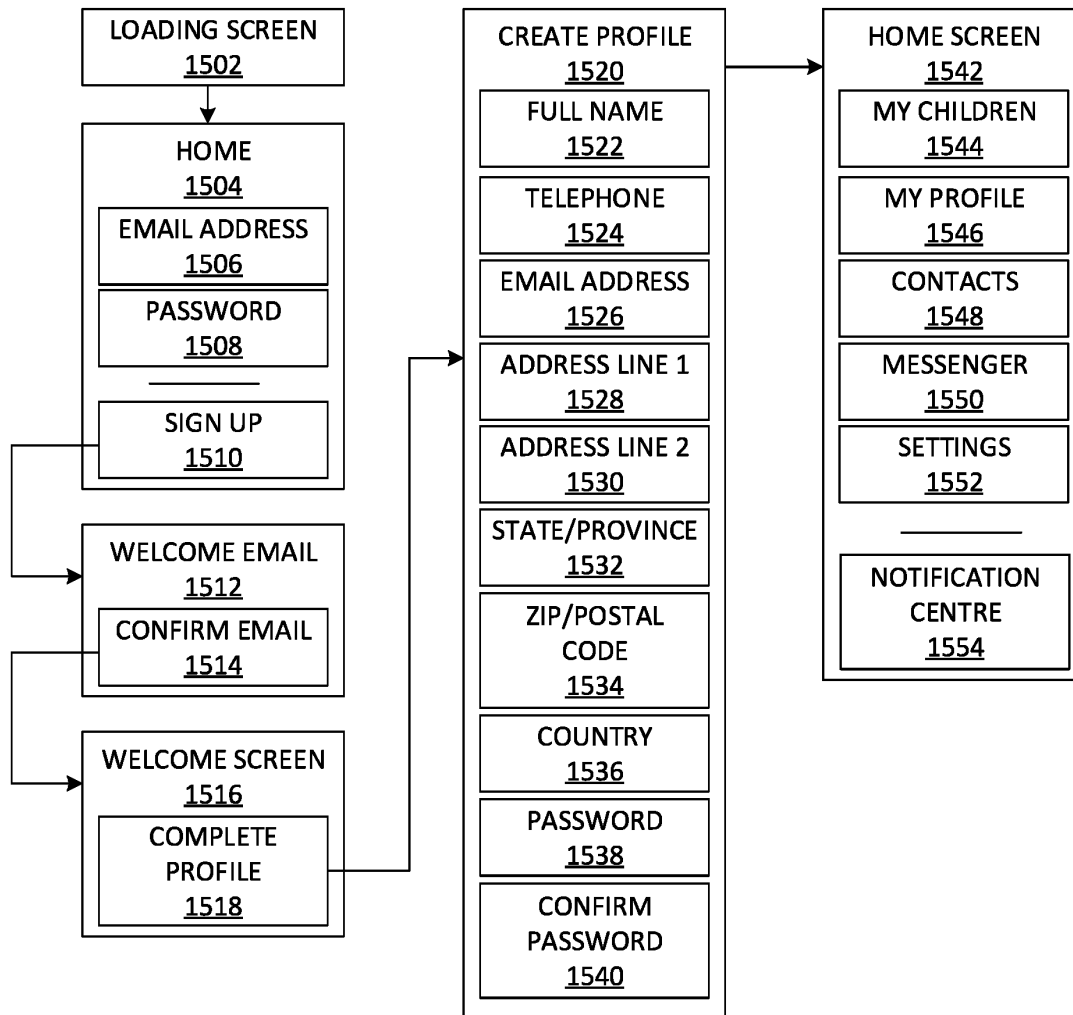
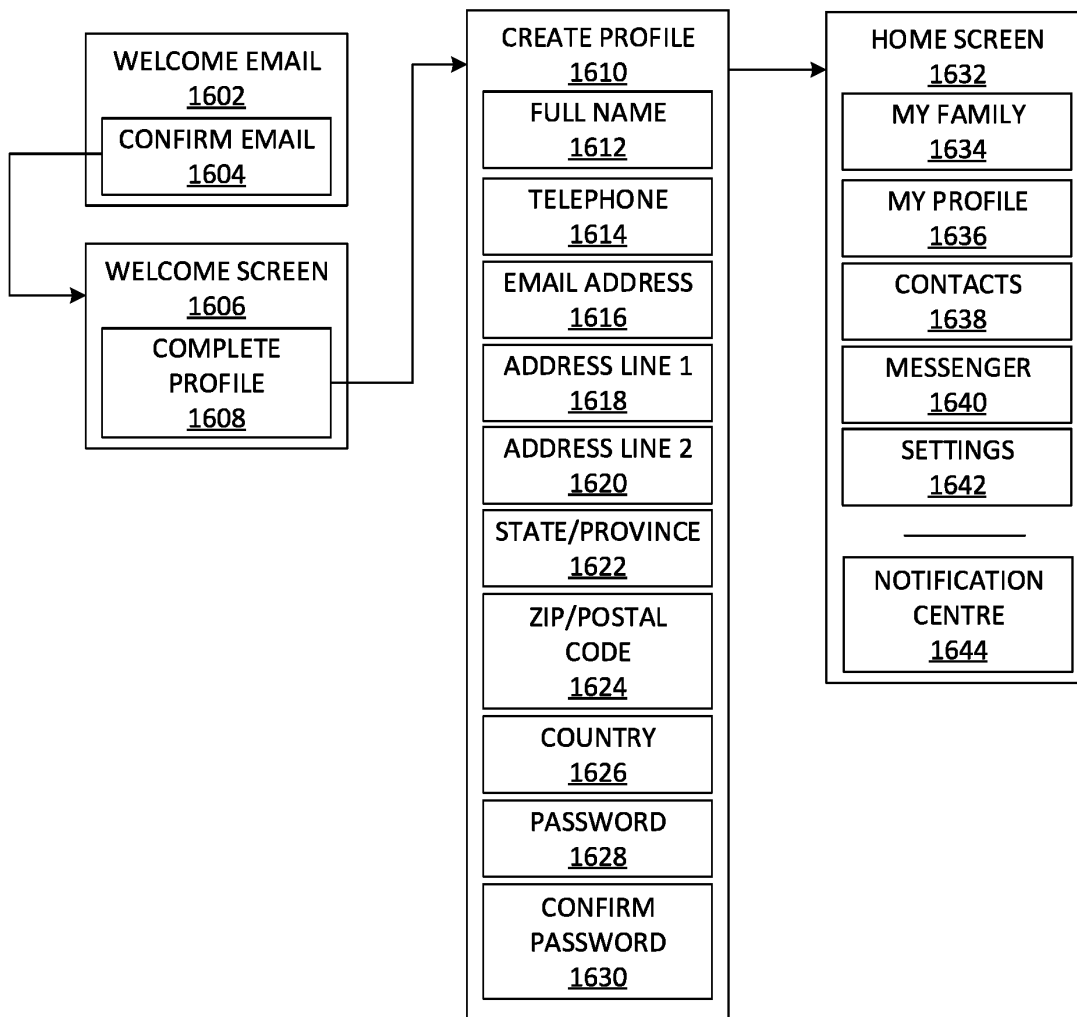
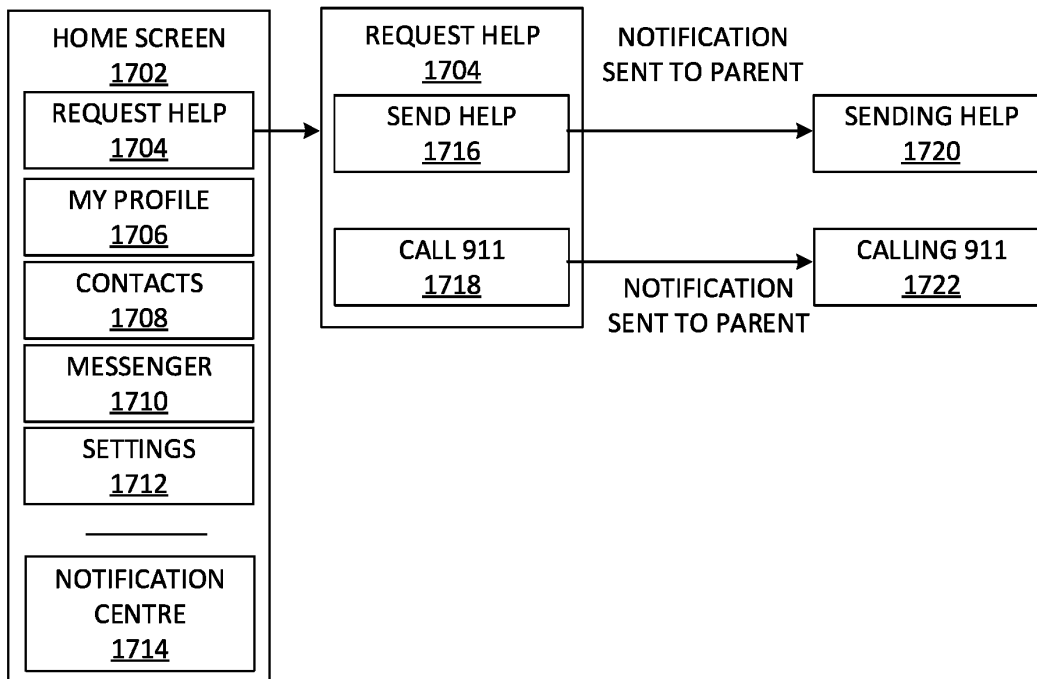


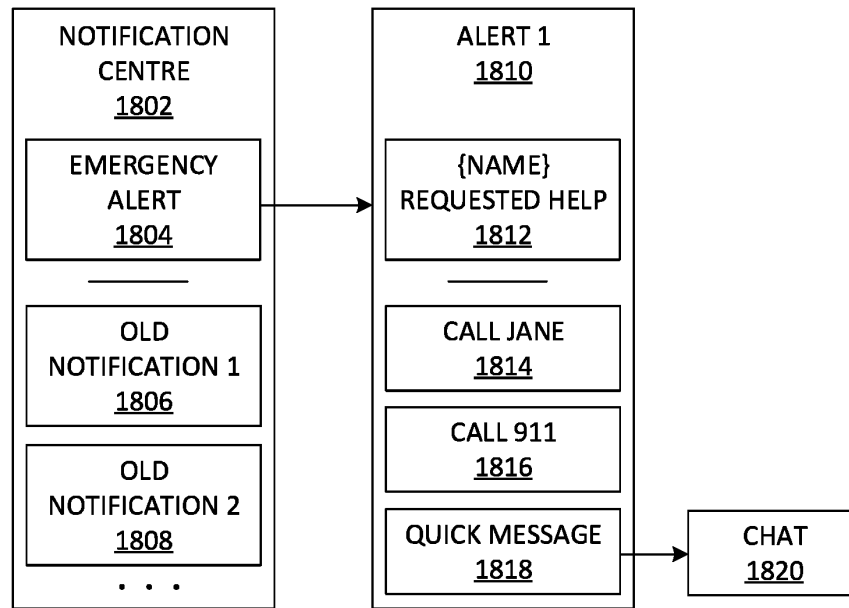
FIG. 13

**FIG. 14**

**FIG. 15**

**FIG. 16**

**FIG. 17**

**FIG. 18**

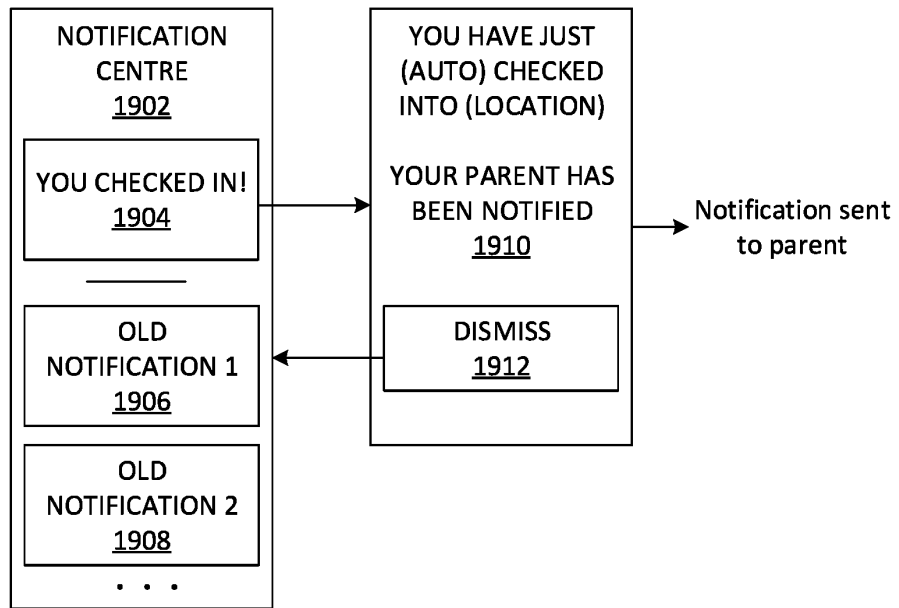
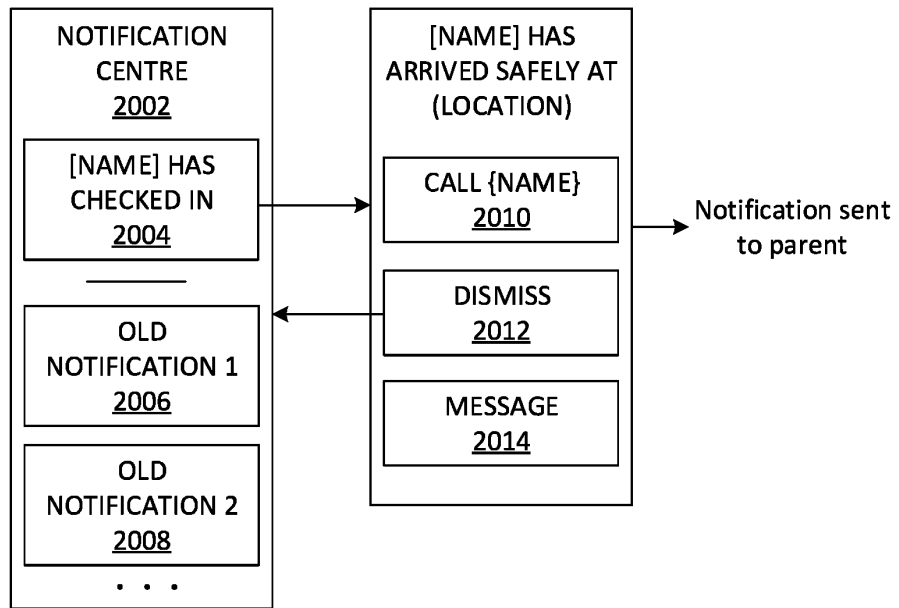
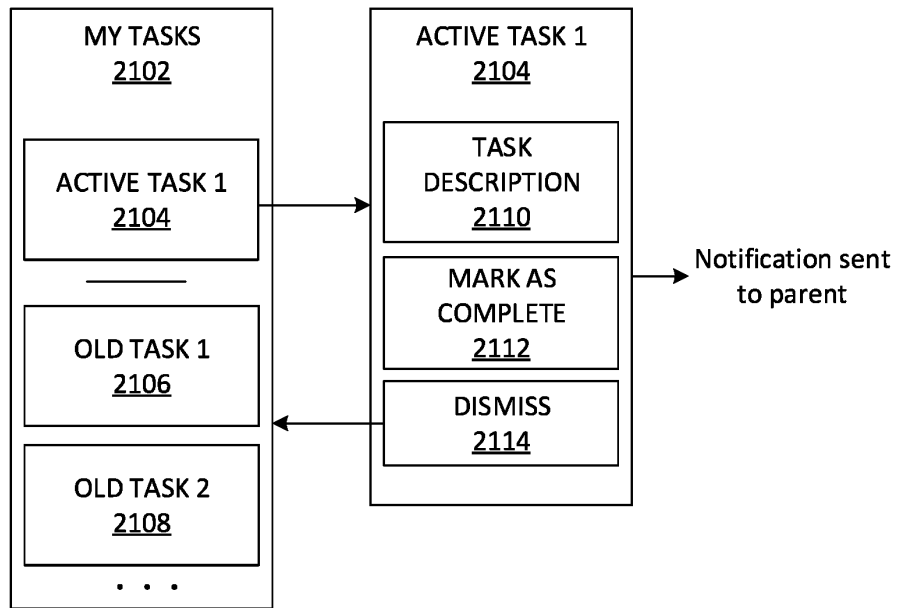
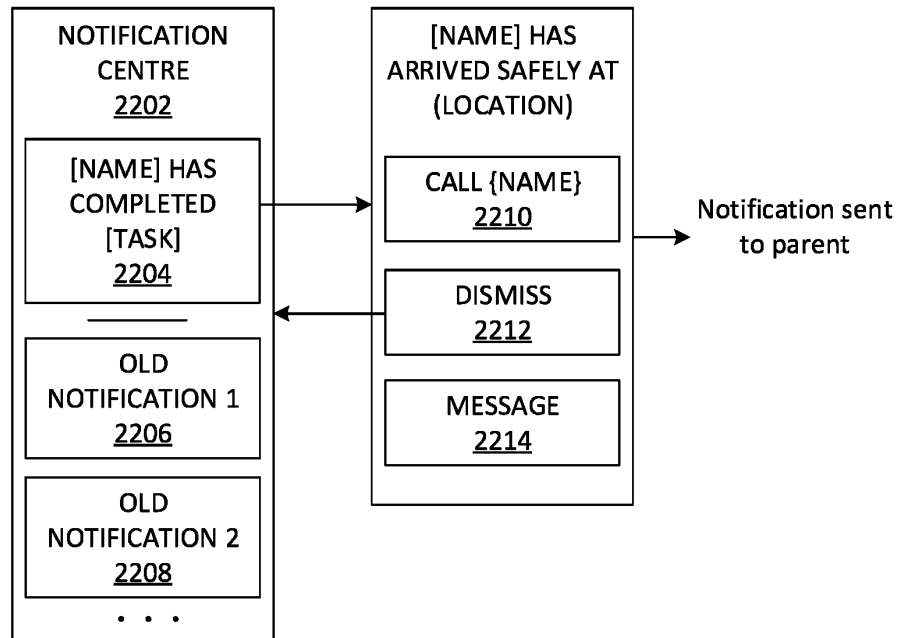
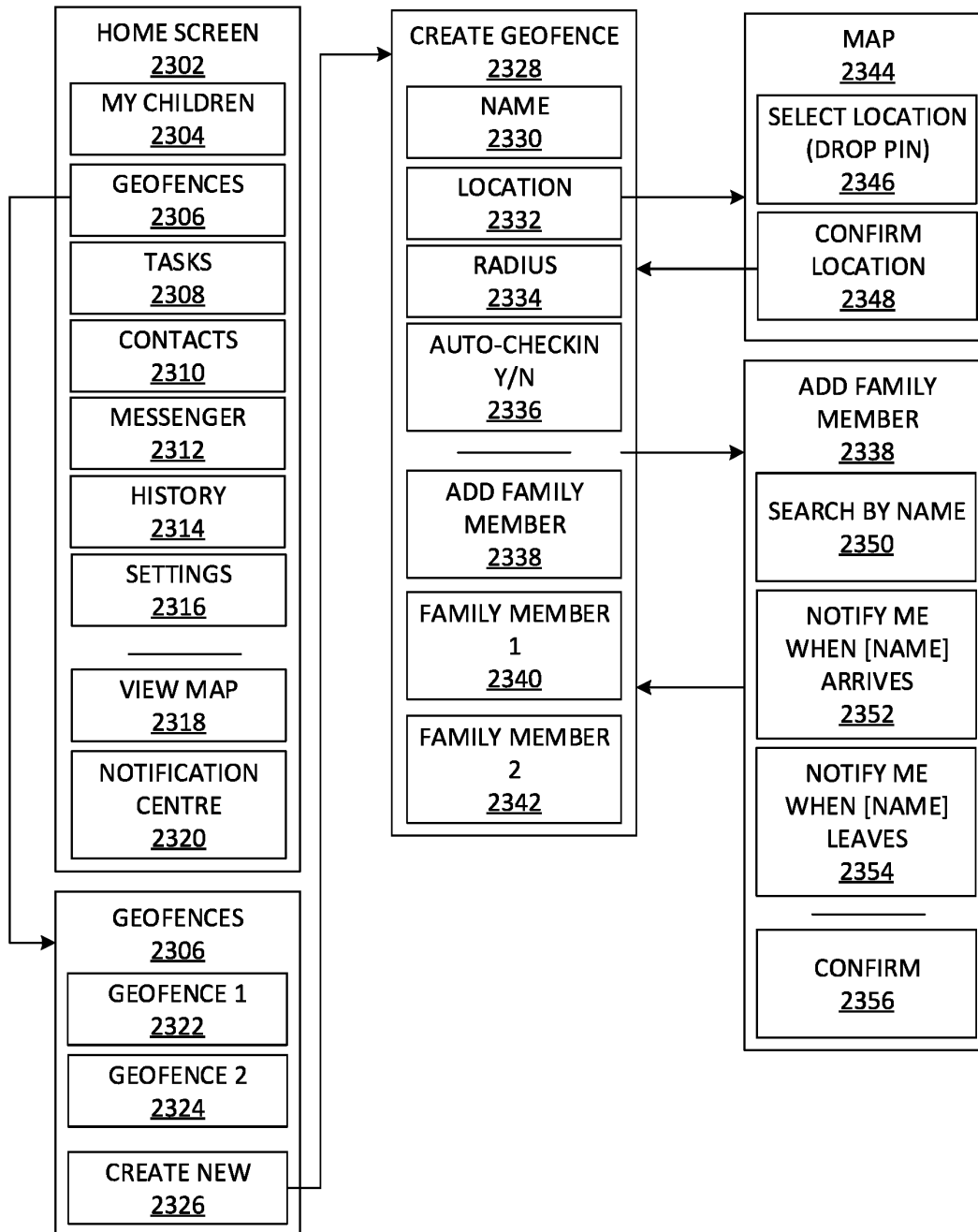


FIG. 19

**FIG. 20**

**FIG. 21**

**FIG. 22**

**FIG. 23**

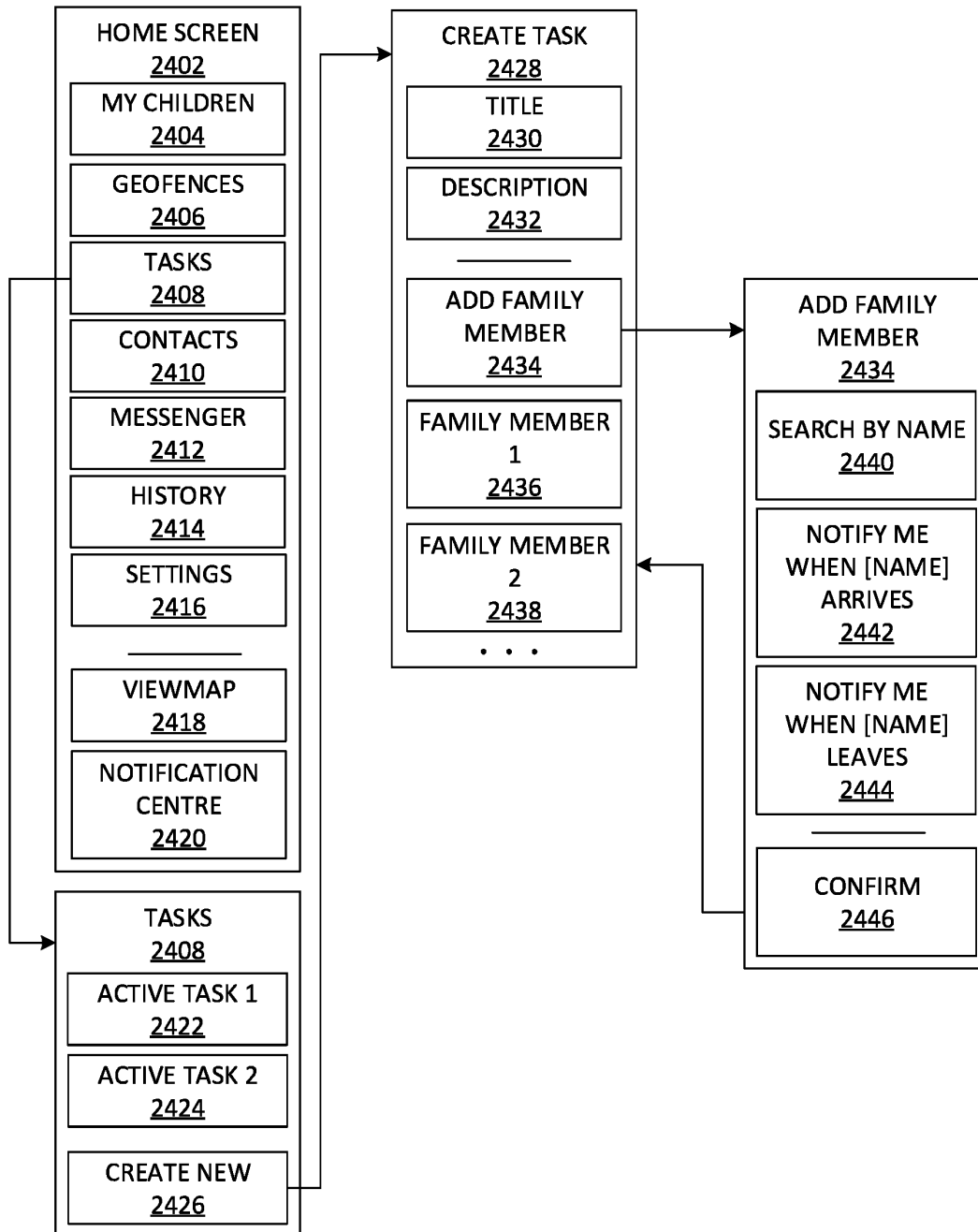
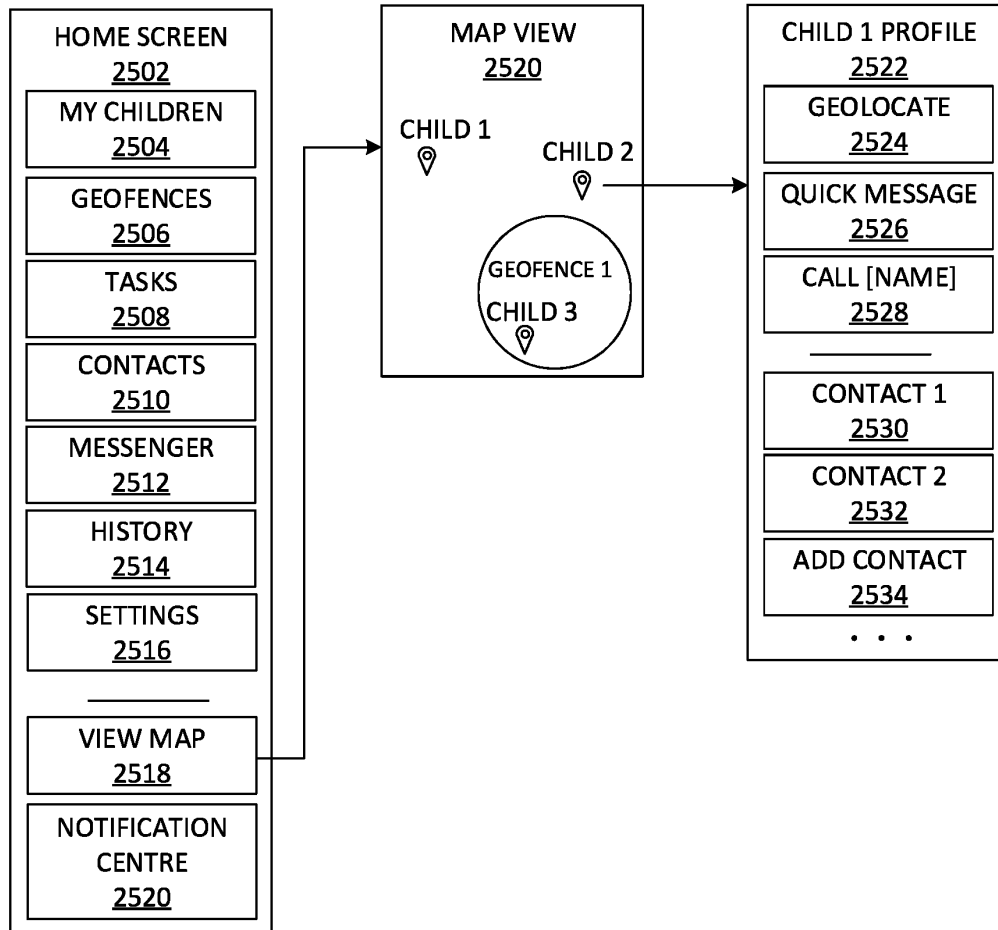


FIG. 24

**FIG. 25**

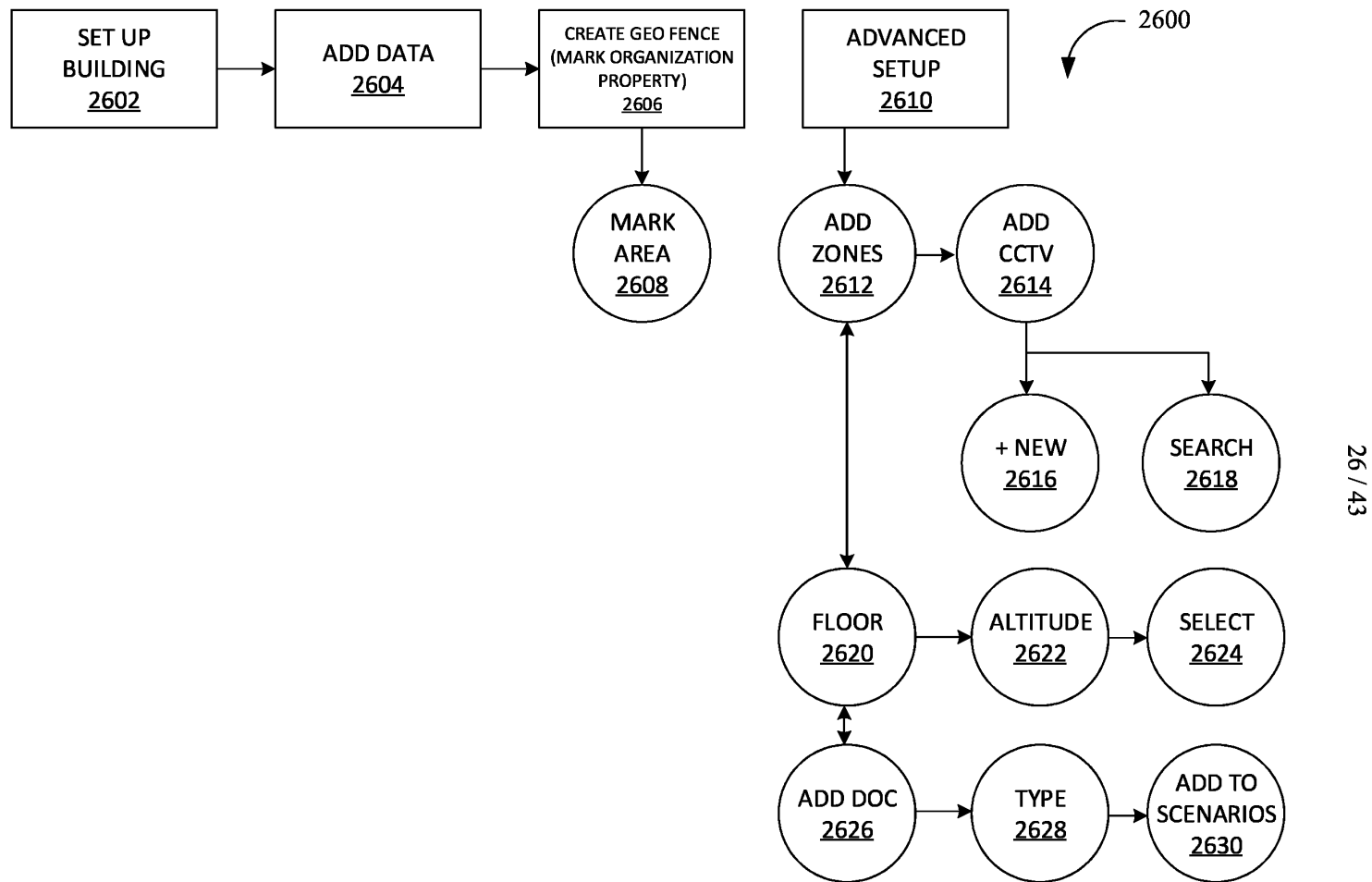
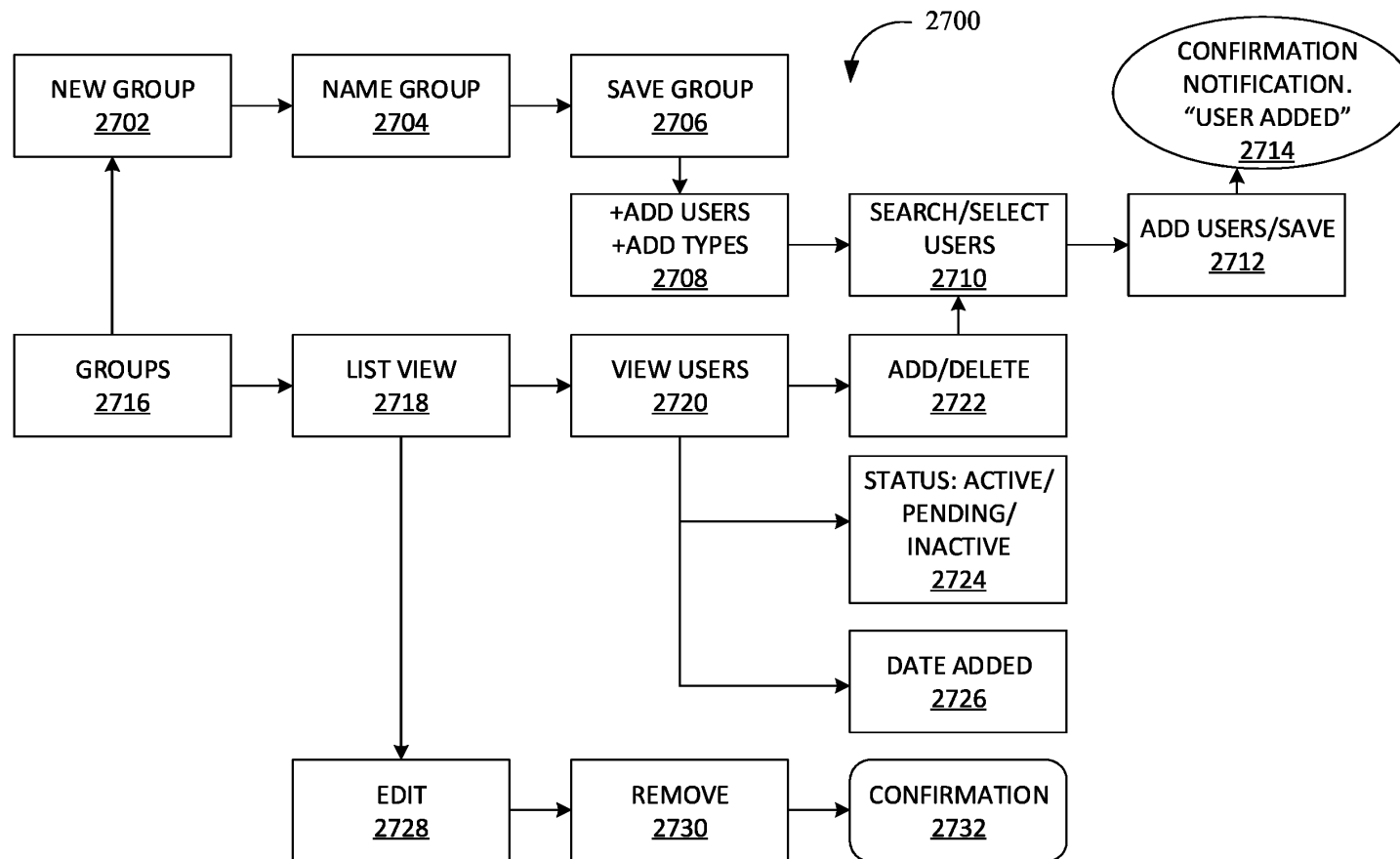
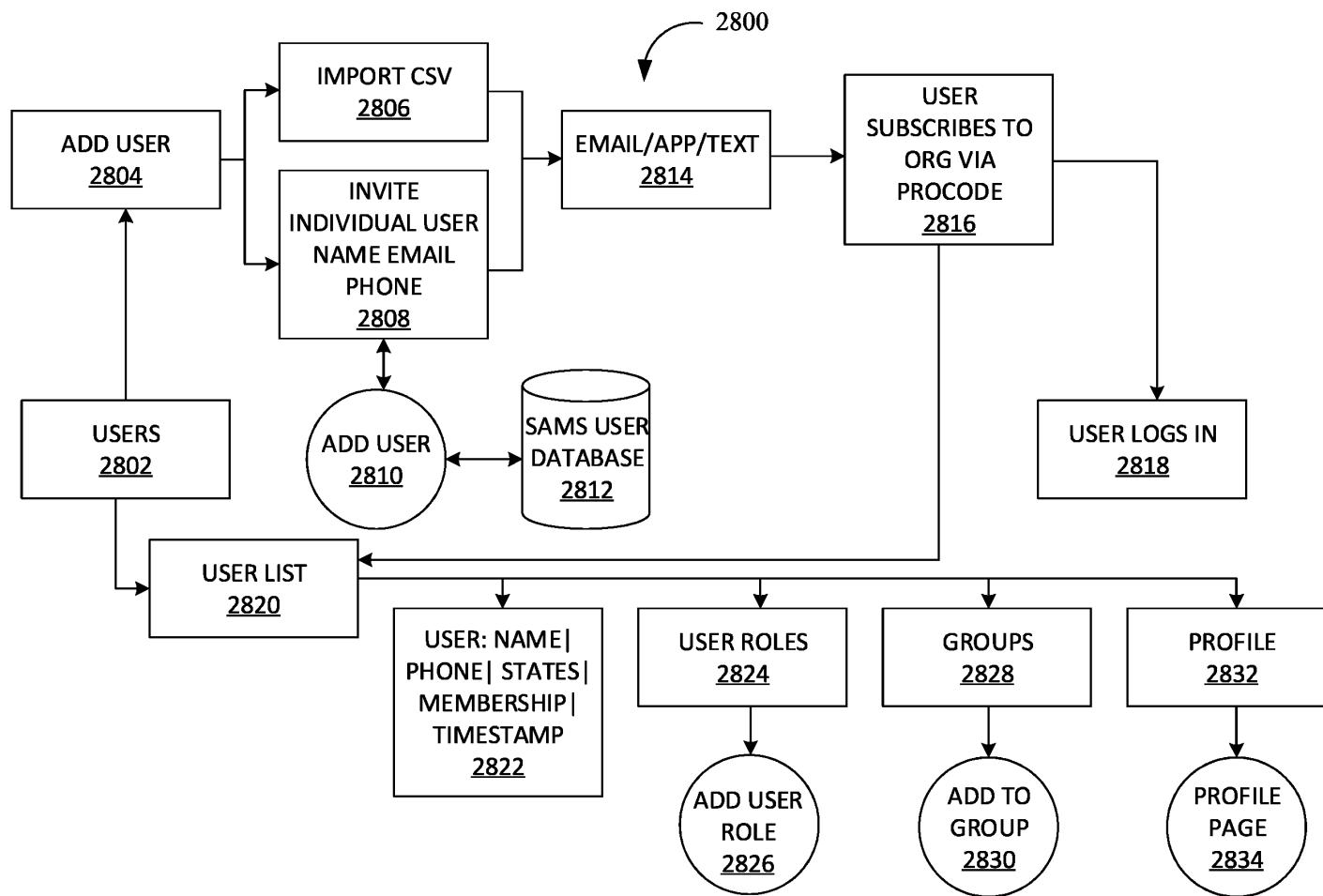


FIG. 26



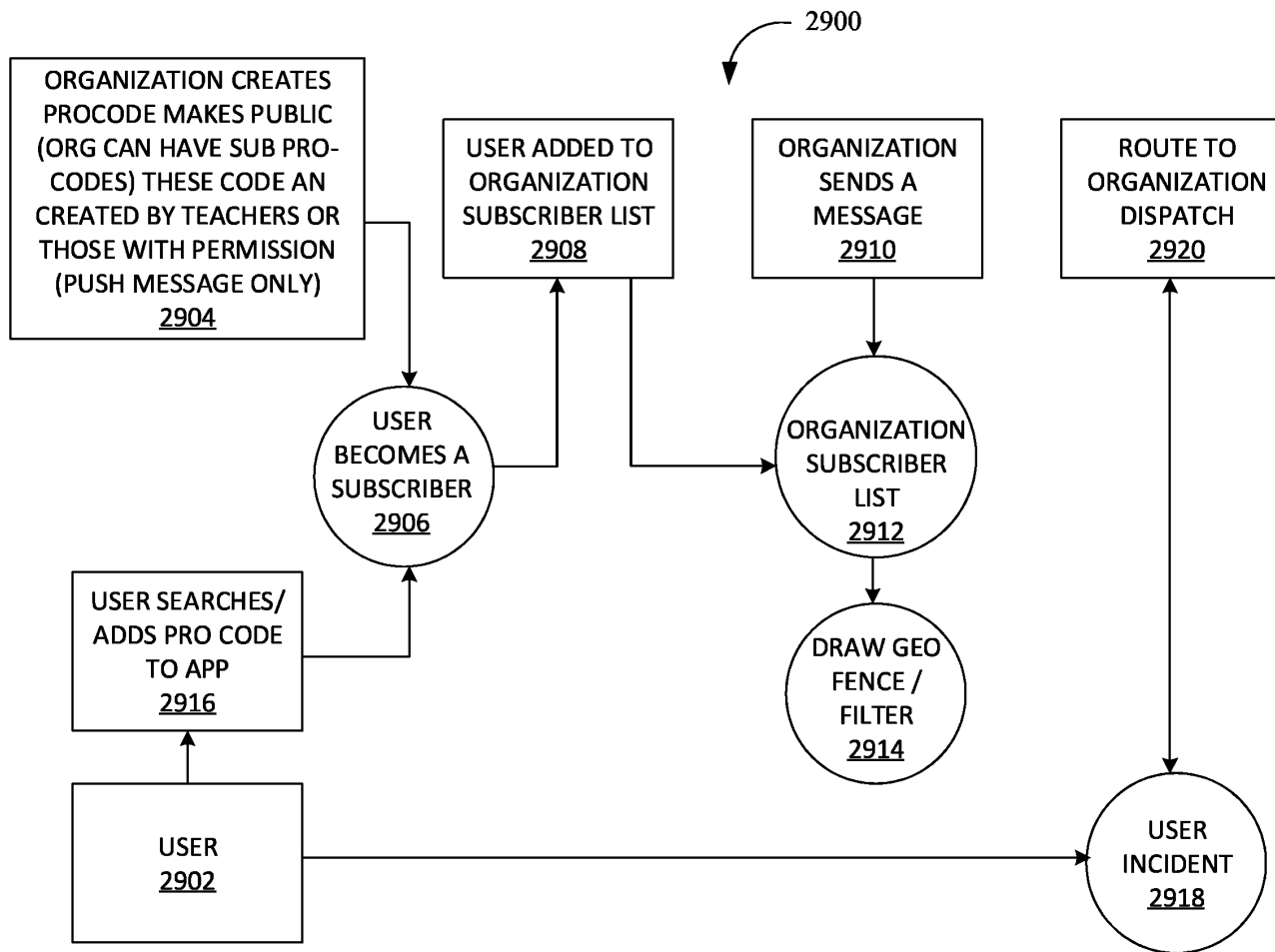
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FIG. 27



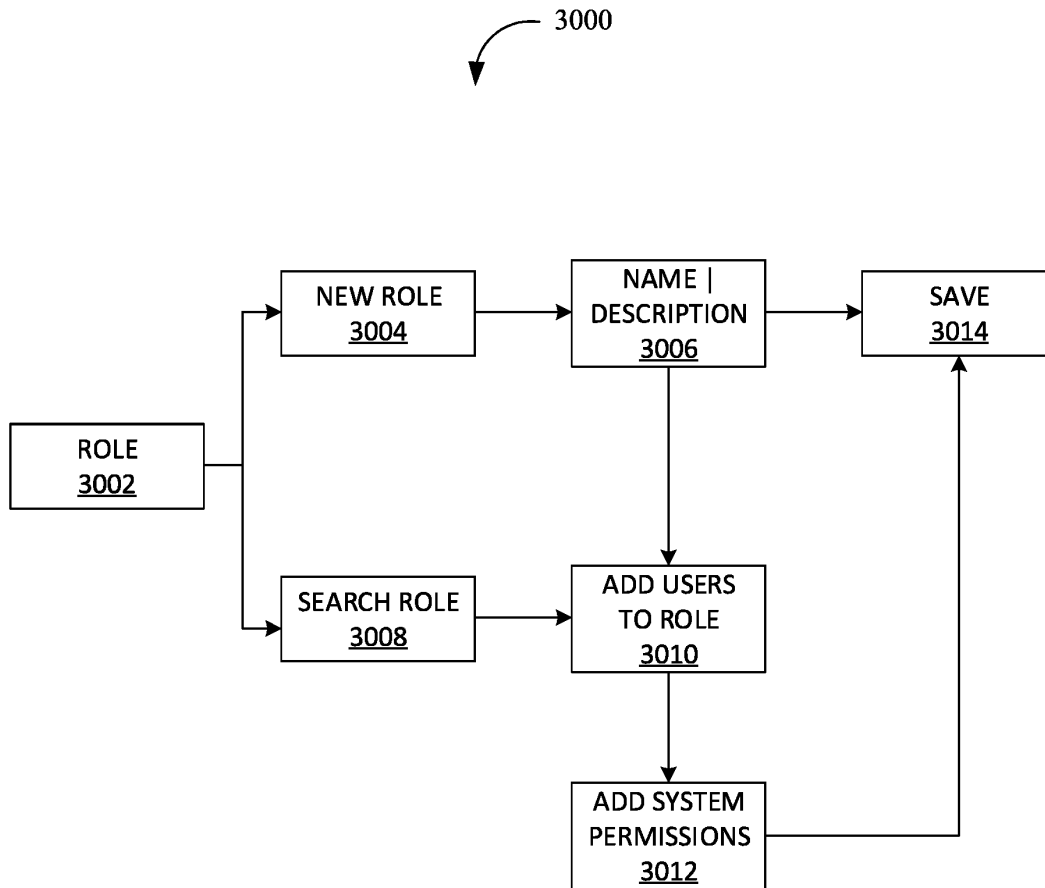
28 / 43

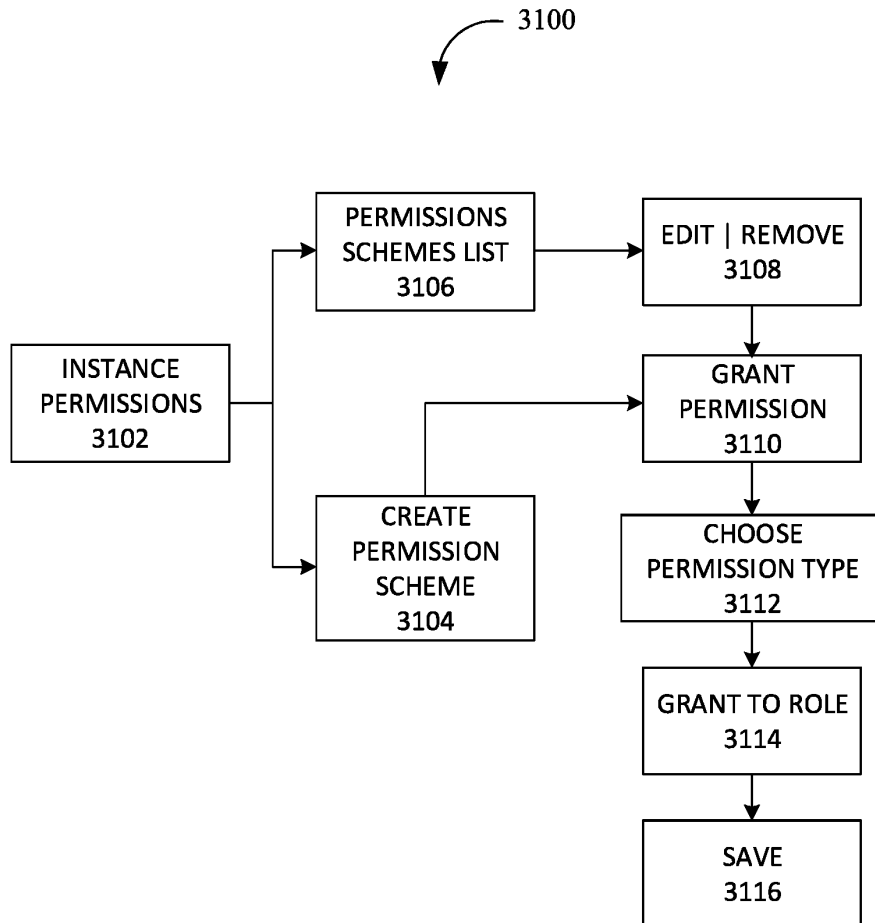
FIG. 28



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FIG. 29

**FIG. 30**

**FIG. 31**

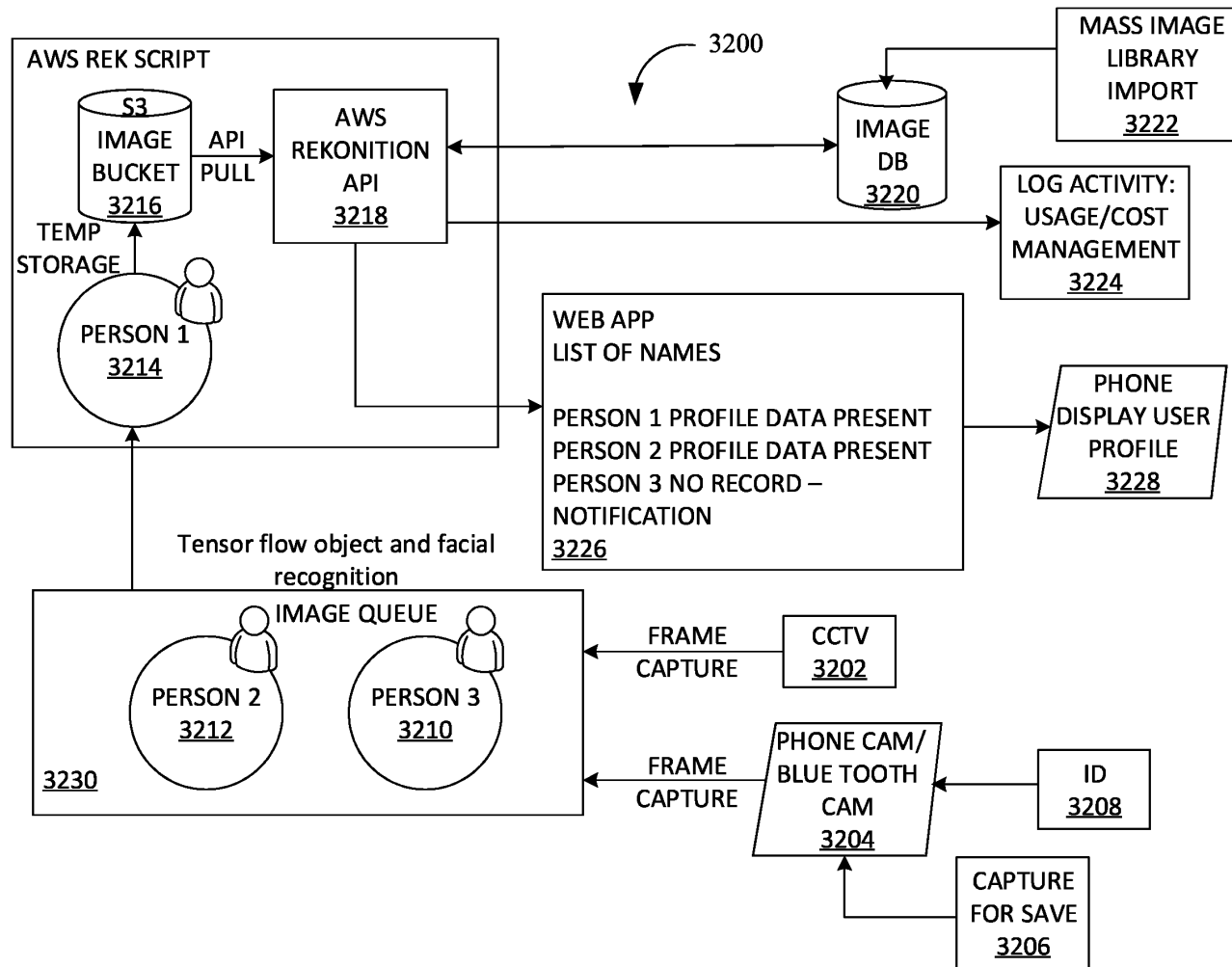


FIG. 32

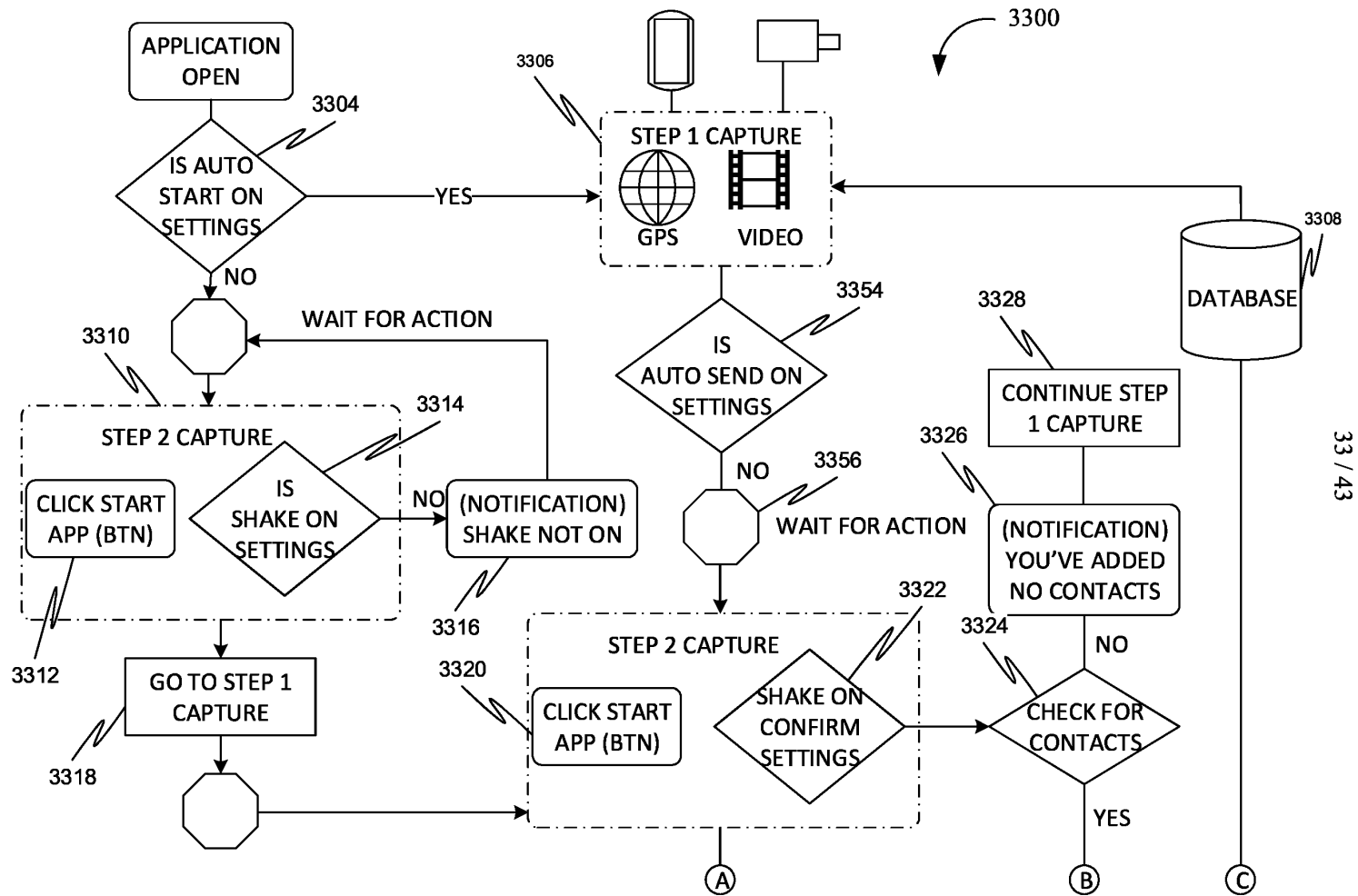


FIG. 33

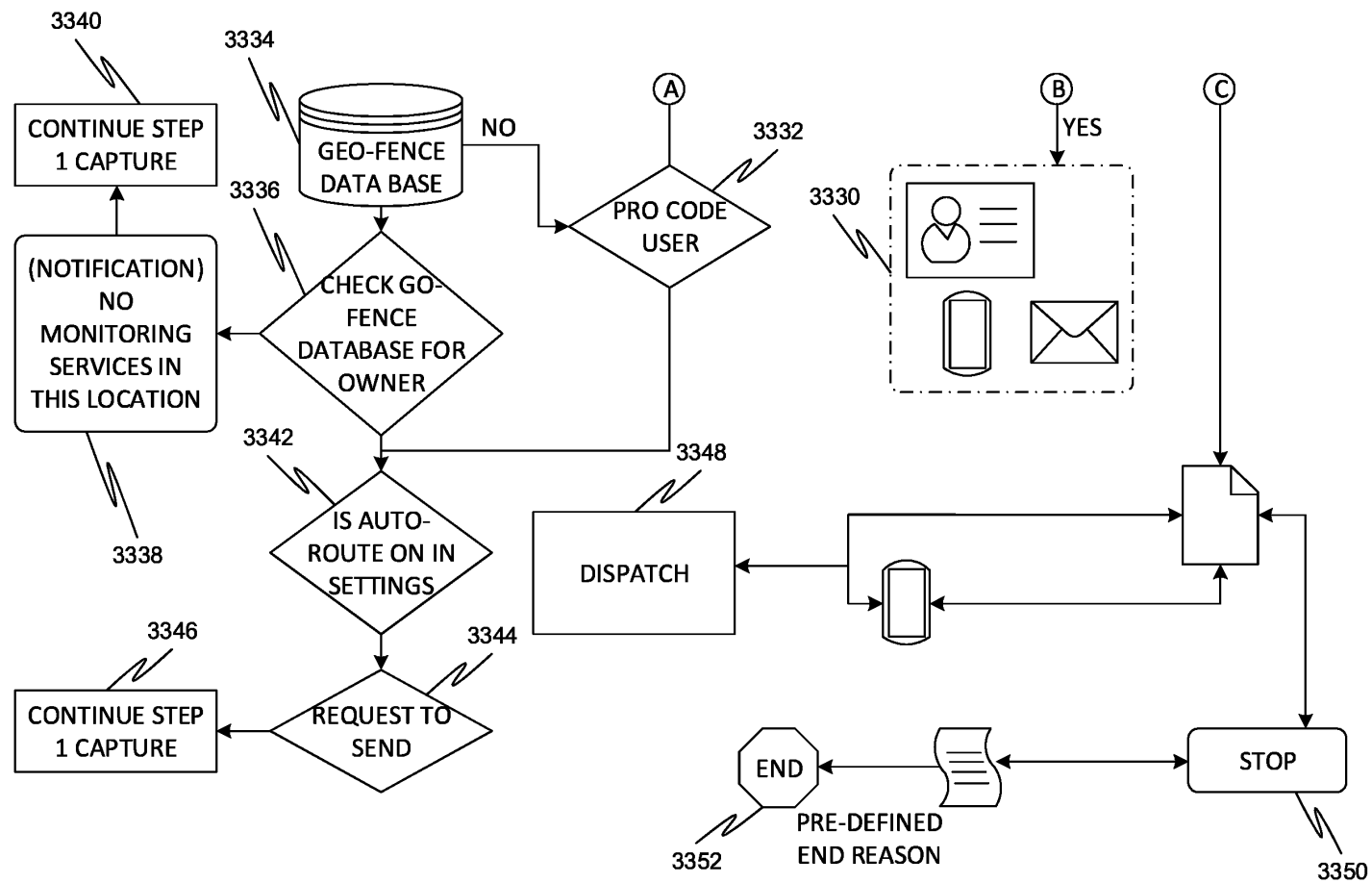


FIG. 34

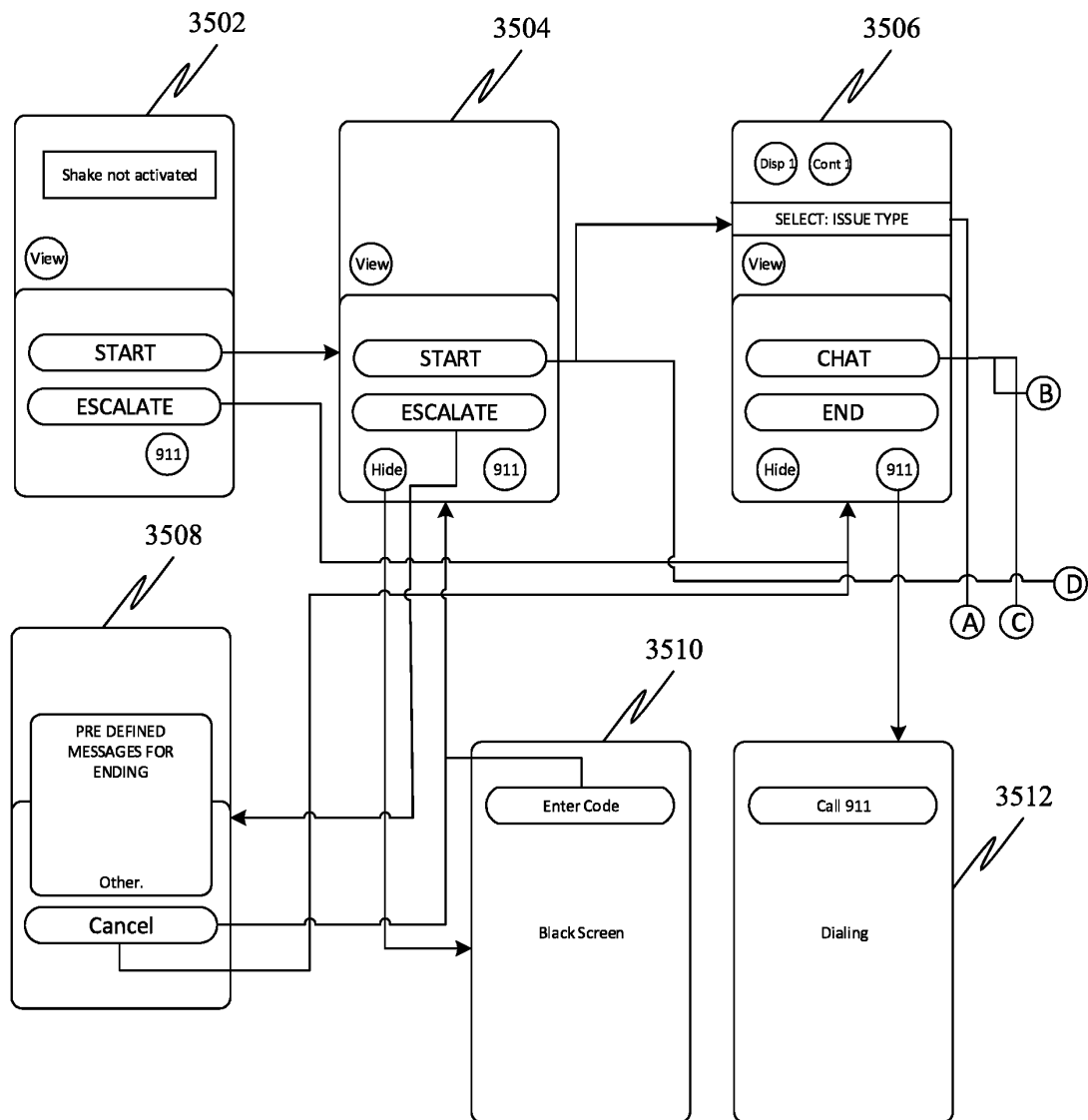
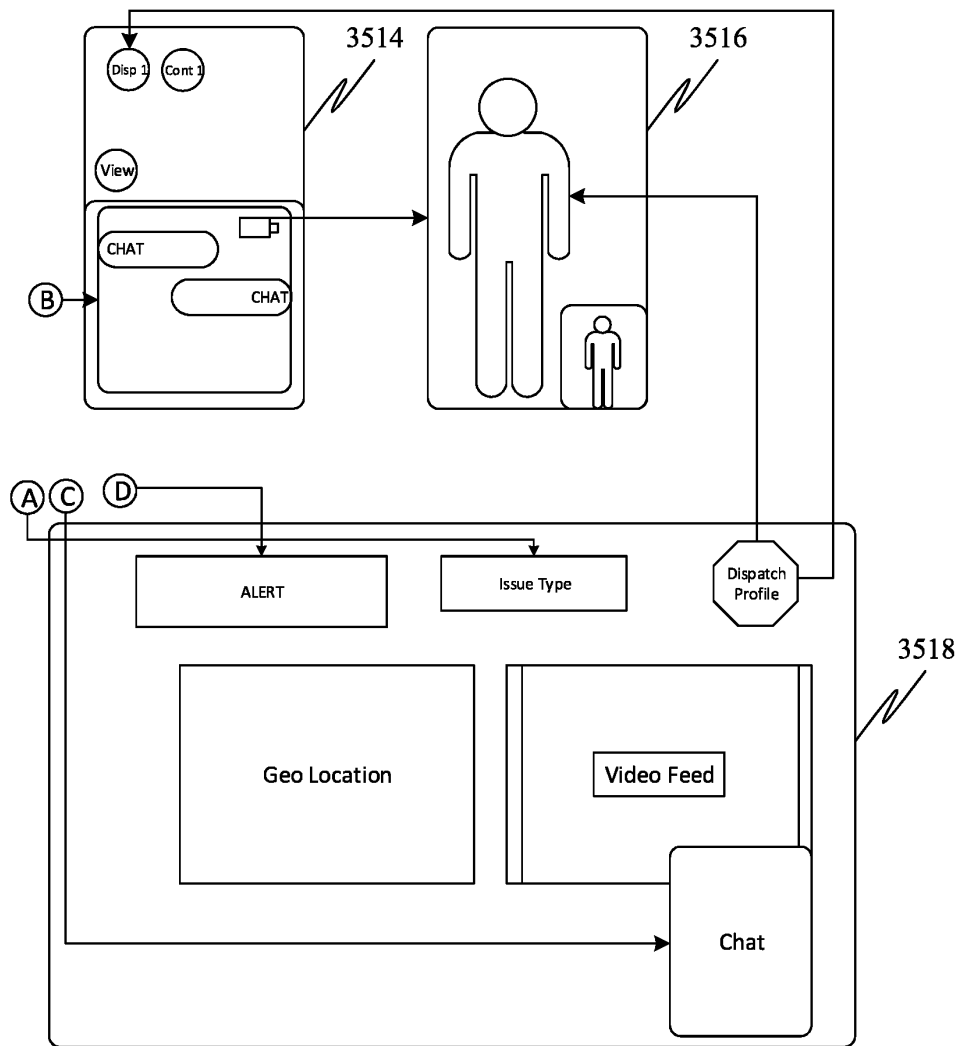
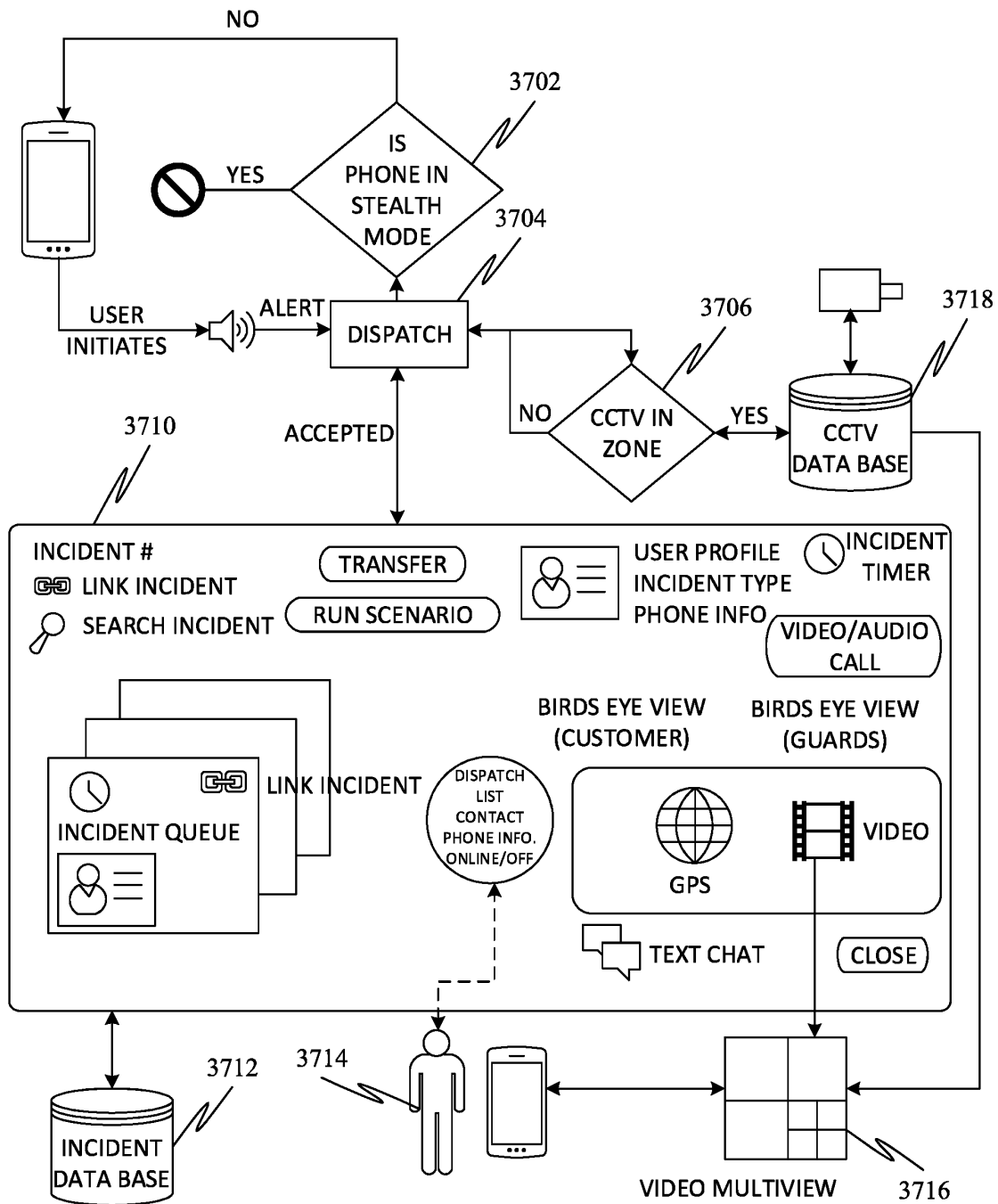


FIG. 35

**FIG. 36**

**FIG. 37**

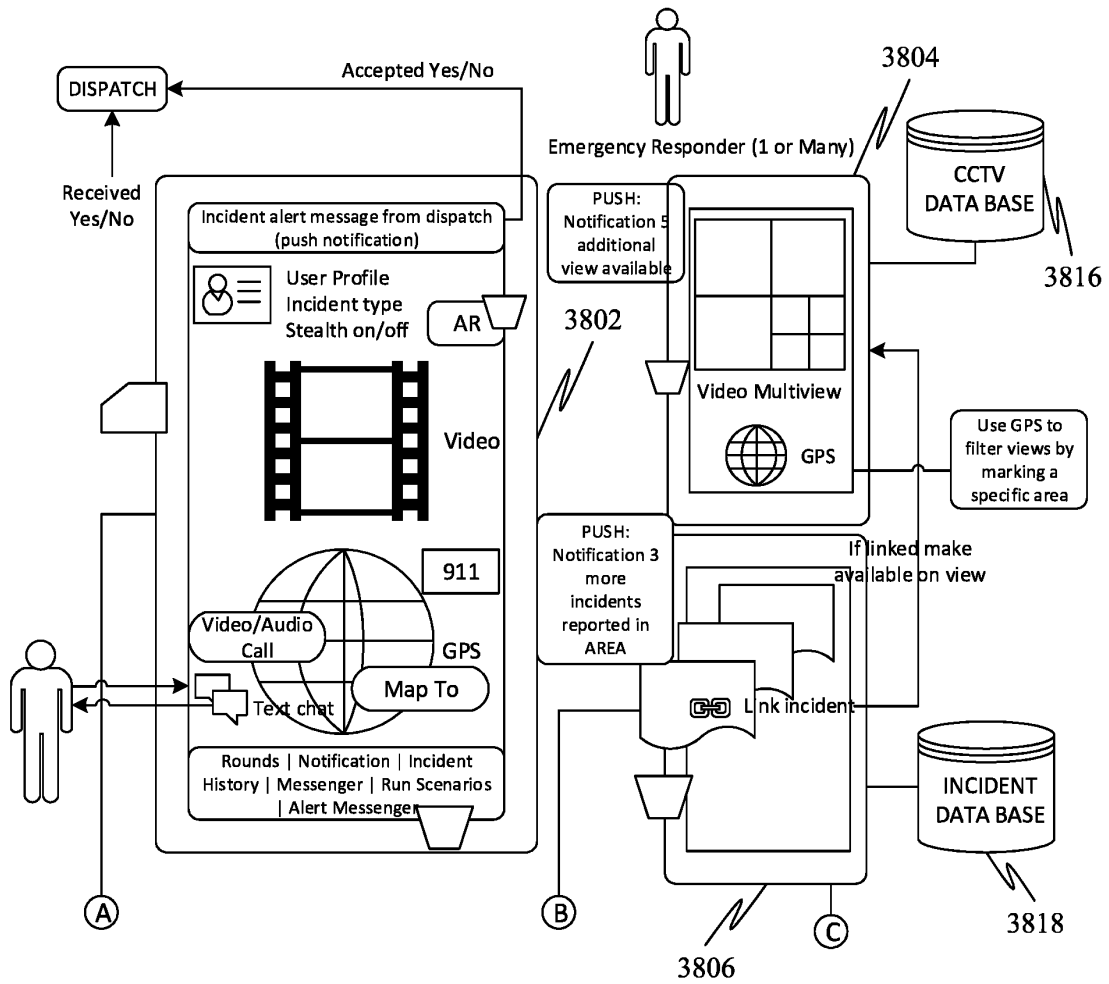


FIG. 38

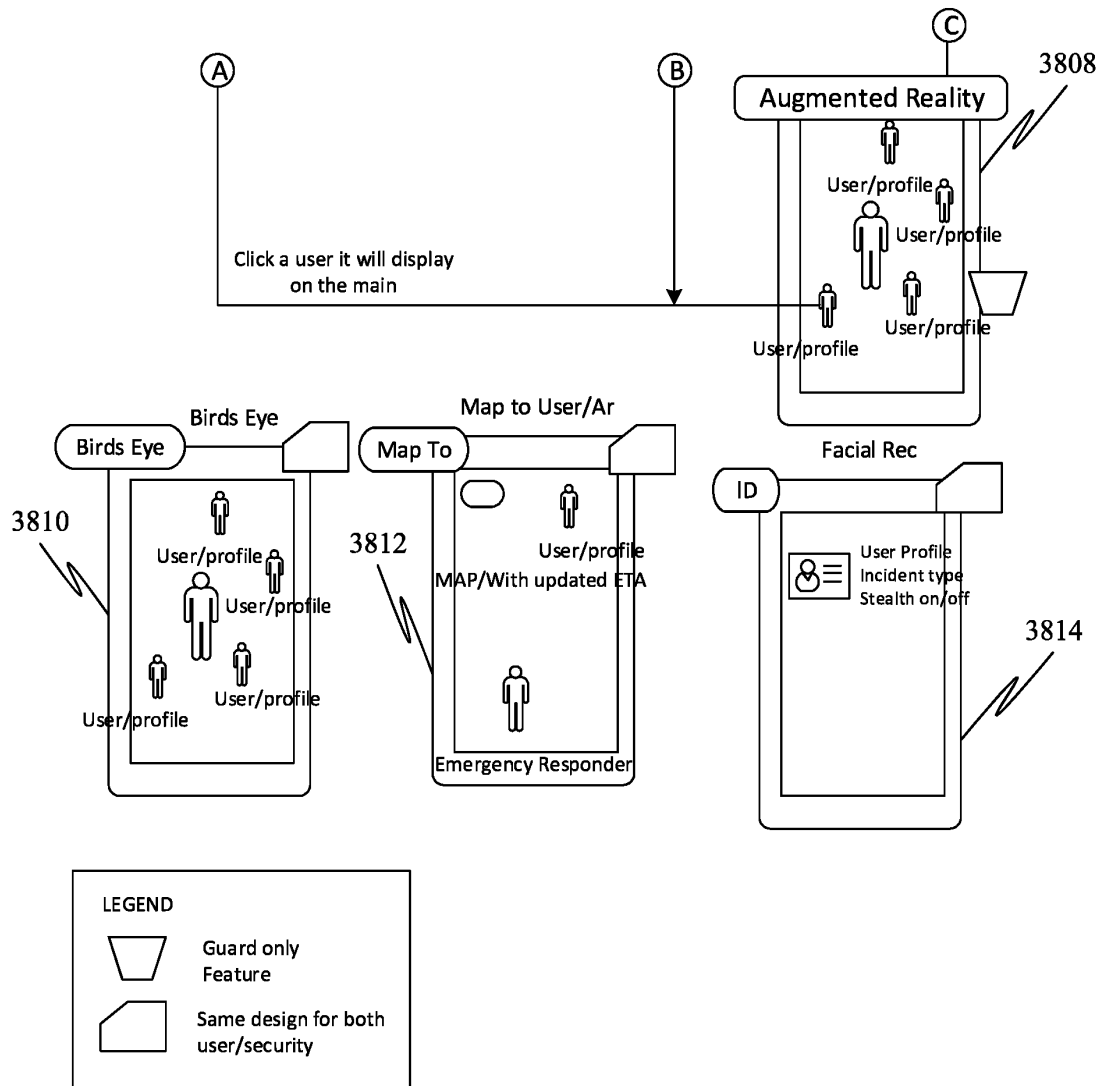
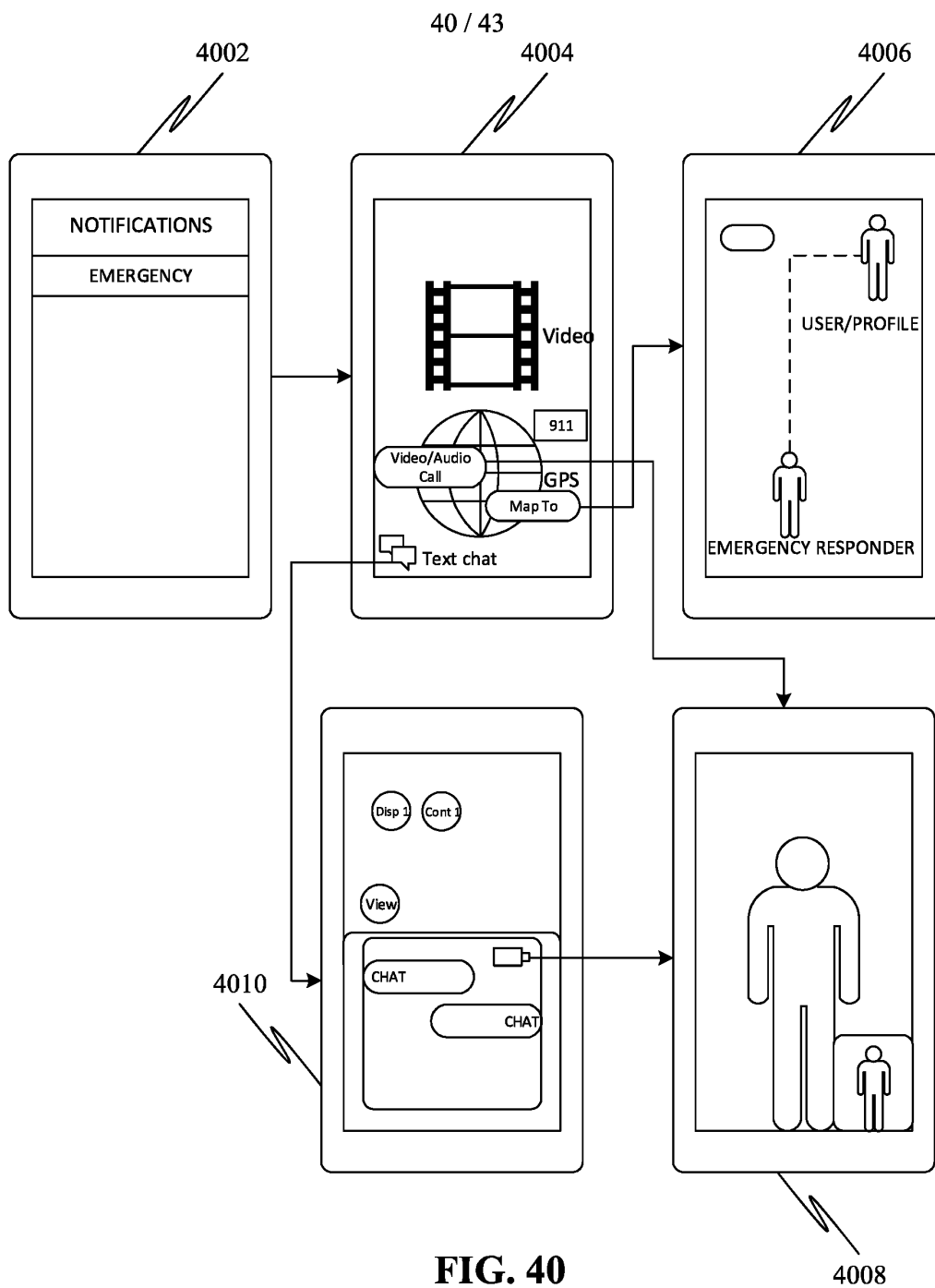


FIG. 39



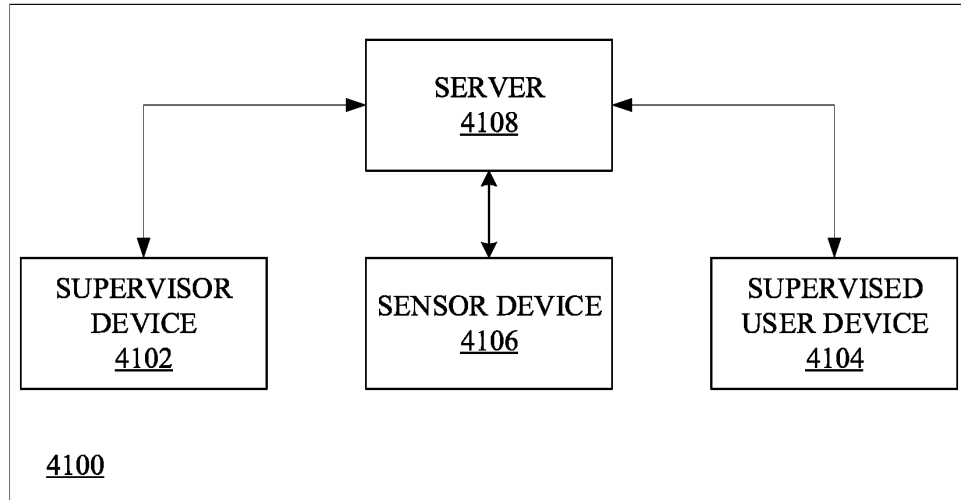
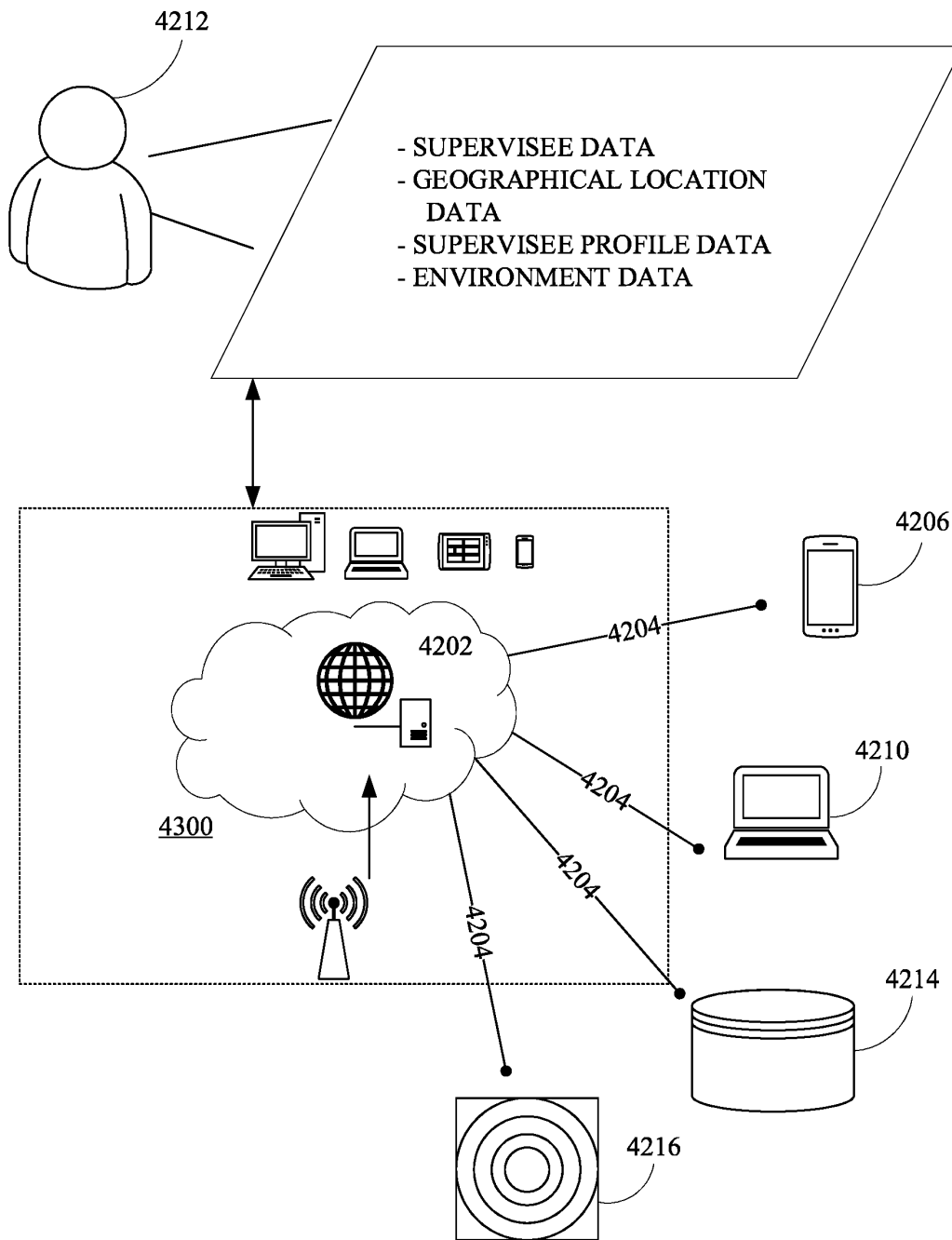


FIG. 41

**FIG. 42**

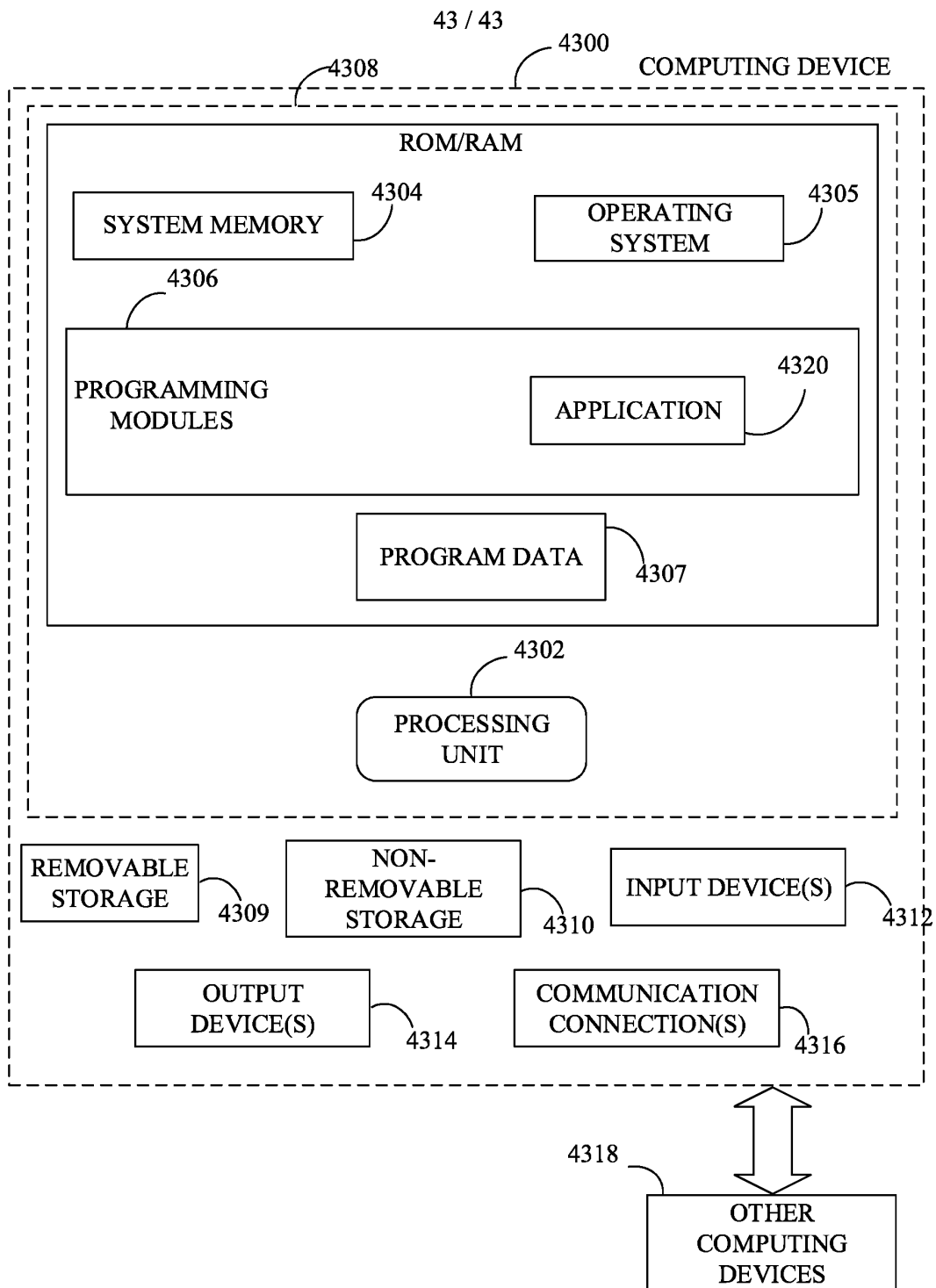


FIG. 43

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	TUP54874
		First Named Inventor	Gary Thomas Baker Jr
		COMPLETE IF KNOWN	
		Application Number	
		Filing Date	
☒ Declaration Submitted With Initial Filing OR ☐ Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(f)) required)		Art Unit	
		Examiner Name	

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING	
(Title of the Invention)	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
☒ The attached application,	
OR	
☐ United States Application Number or PCT International application number _____	
filed on _____	
The above-identified application was made or authorized to be made by me.	
I believe I am the original inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
Direct all correspondence to:	☒ The address associated with Customer Number: 062439 OR ☐ Correspondence address below
Name	
Address	
City	State Zip
Country	Telephone Email

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DECLARATION — Utility or Design Patent Application**WARNING:**

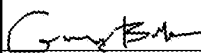
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LEGAL NAME OF SOLE OR FIRST INVENTOR:

(E.g., Given Name (first and middle if any) and Family Name or Surname)

Gary Thomas Baker Jr

Inventor's Signature



Date (Optional)

03/05/2020

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Country

US

Mailing Address

11131 Carriage Lake

City

Houston

State

TX

Zip

77065

Country

US

☐

Additional inventors are being named on the

Supplemental sheet(s) PTO/AIA/10 attached hereto

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 16/810,703	
APPLICATION AS FILED - PART I						
(Column 1)		(Column 2)		SMALL ENTITY		OR
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)	OTHER THAN SMALL ENTITY	
BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		N/A	75
SEARCH FEE <small>(37 CFR 1.16(k), (j), or (m))</small>	N/A	N/A	N/A		N/A	165
EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		N/A	190
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	20	minus 20 = *			x 25 =	0.00
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	2	minus 3 = *			x 115 =	0.00
APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).					0.00
MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>						0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL		TOTAL	430
APPLICATION AS AMENDED - PART II						
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	OTHER THAN SMALL ENTITY
	Total <small>(37 CFR 1.16(i))</small>	* Minus **	=	x =		x =
	Independent <small>(37 CFR 1.16(h))</small>	* Minus ***	=	x =		x =
	Application Size Fee <small>(37 CFR 1.16(s))</small>					
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>					
			TOTAL ADD'L FEE		TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	OTHER THAN SMALL ENTITY
	Total <small>(37 CFR 1.16(i))</small>	* Minus **	=	x =		x =
	Independent <small>(37 CFR 1.16(h))</small>	* Minus ***	=	x =		x =
	Application Size Fee <small>(37 CFR 1.16(s))</small>					
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>					
			TOTAL ADD'L FEE		TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.						



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	TOT CLAIMS	IND CLAIMS
16/810,703	03/05/2020		430	TUP54874	20	2

CONFIRMATION NO. 1752

FILING RECEIPT



62439
SINORICA, LLC
20251 Century Blvd.
Suite 140
Germantown, MD 20874

Date Mailed: 03/25/2020

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Gary Thomas Baker Jr., Houston, TX;

Applicant(s)

Gary Thomas Baker Jr., Houston, TX;

Power of Attorney: The patent practitioners associated with Customer Number 062439

Domestic Priority data as claimed by applicant

This appln claims benefit of 62/814,097 03/05/2019

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/24/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/810,703**

Projected Publication Date: 09/10/2020

Non-Publication Request: No

Early Publication Request: No

**** MICRO ENTITY ****

Title

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/810,703	03/05/2020	Gary Thomas Baker Jr.	TUP54874

CONFIRMATION NO. 1752

62439
SINORICA, LLC
20251 Century Blvd.
Suite 140
Germantown, MD 20874

PUBLICATION NOTICE



OC000000119791009

Title:SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

Publication No.US-2020-0286355-A1

Publication Date:09/10/2020

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 16/810,703		Filing Date 03/05/2020		☐ To be Mailed		
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO										
APPLICATION AS FILED - PART I										
		(Column 1)	(Column 2)							
FOR		NUMBER FILED	NUMBER EXTRA	RATE (\$)		FEE (\$)				
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A	N/A						
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A	N/A	N/A						
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A	N/A						
TOTAL CLAIMS (37 CFR 1.16(j))		minus 20 =	*	x \$100 =						
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =	*	x \$460 =						
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))										
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL						
APPLICATION AS AMENDED - PART II										
		(Column 1)	(Column 2)	(Column 3)						
AMENDMENT	10/15/2020	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	x \$100 =		0		
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	x \$480 =		0		
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
					TOTAL ADD'L FEE		0			
AMENDMENT		(Column 1)	(Column 2)	(Column 3)						
		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =				
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =				
	☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
					TOTAL ADD'L FEE					
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.					SLIE					
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".					/SHARON M WEST/					
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Electronic Acknowledgement Receipt	
EFS ID:	40852706
Application Number:	16810703
International Application Number:	
Confirmation Number:	1752
Title of Invention:	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING
First Named Inventor/Applicant Name:	Gary Thomas Baker
Customer Number:	62439
Filer:	Han-Jen Yu/Megan Huan
Filer Authorized By:	Han-Jen Yu
Attorney Docket Number:	TUP54874
Receipt Date:	15-OCT-2020
Filing Date:	05-MAR-2020
Time Stamp:	13:08:58
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Preliminary Amendment	preliminary_amendment_16810703.pdf	99550 348bb79d35f26d3aaf82ef3afc68539755d6e957	no	10
Warnings:					

Information:	
Total Files Size (in bytes):	99550
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of the first inventor:	*	Group Art Unit:
Gary Thomas Baker	*	
	*	Examiner:
	*	
Serial No: 16/810,703	*	Attorney Docket No: TUP54874
	*	
Filed: 03-05-2020	*	
	*	
Title: SYSTEMS AND METHODS FOR	*	
FACILITATING SUPERVISION	*	
OF INDIVIDUALS BASED ON	*	
GEOFENCING	*	

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PRELIMINARY AMENDMENTS

Pursuant to 37 CFR 1.115, Applicant hereby submits preliminary amendments. There is no new matter included in this amendments. Enclosed are,

1. A listing of claims

Respectfully submitted,

10-15-2020

Date

Sinorica, LLC
20251 Century Blvd Ste 140
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/Hanjen Yu/

Hanjen Yu
Registration No.: L1192

Listing of Claims

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Original) A method for facilitating supervision of individuals based on geofencing, the method comprising:
 - receiving, using a communication device, at least one parameter from at least one supervisor device associated with at least one supervisor;
 - receiving, using the communication device, a geographical location from the at least one supervisor device;
 - analyzing, using a processing device, the geographical location based on the at least one security parameter;
 - generating, using the processing device, a geofence corresponding to a geographical area based on the analyzing;
 - receiving, using the communication device, at least one supervisee data associated with a supervisee from at least one supervisee device;
 - analyzing, using the processing device, the at least one supervisee data based on the geofence;
 - generating, using the processing device, a supervision notification based on the analyzing of the at least one supervisee data;
 - transmitting, using the communication device, the supervision notification to the at least one supervisor device; and
 - storing, using a storage device, the at least one supervisee data and the supervision notification.

2. (Original) The method of claim 1 further comprising:
 - receiving, using the communication device, at least one location indication associated with the geographical area from the at least one supervisor device;
 - identifying, using the processing device, at least one location corresponding to the at least one location indication;
 - analyzing, using the processing device, the at least one supervisee data based on the at least one location; and
 - determining, using the processing device, a location anomaly based on the analyzing of the at least one supervisee data based on the at least one location, wherein the generating of the supervision notification is based on the determining.
3. (Original) The method of claim 1, wherein the supervision notification comprises at least one supervisee event, wherein the at least one supervisee event is associated with at least one action, wherein the method comprises:
 - determining, using the processing device, the at least one action based on the supervision notification; and
 - performing, using the processing device, the at least one action based on the determining, wherein the at least one action comprises an establishment of a communication session between the at least one supervisor device and the at least one supervisee device.
4. (Original) The method of claim 1 further comprising:
 - identifying, using the processing device, the supervisee based on the analyzing of the at least one supervisee data; and

retrieving, using the storage device, supervisee profile data associated with the supervisee based on the identifying, wherein the generating of the supervision notification is based on the retrieving.

5. (Original) The method of claim 1 further comprising:

identifying, using the processing device, at least one object associated with the supervisee based on the analyzing of the at least one supervisee data; and

determining, using the processing device, a lethality of the at least one object based on the identifying, wherein the generating of the supervision notification is based on the determining.

6. (Original) The method of claim 1 further comprising:

receiving, using the communication device, at least one environment data associated the geographical area corresponding to the geofence;

analyzing, using the processing device, the at least one environment data; and

determining, using the processing device, at least one threat based on the analyzing of the at least one environment data, wherein the generating of the supervisor notification is based on the determining.

7. (Original) The method of claim 1 further comprising:

retrieving, using the storage device, a blueprint associated with the geographical area corresponding to the geofence;

analyzing, using the processing device, the blueprint and the at least one supervisee data; and

determining, using the processing device, a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining.

8. (Original) The method of claim 1, wherein the at least one supervisee device comprises at least one sensor, wherein the at least one sensor is configured for detecting at least one signal made by the supervisee, wherein the at least one sensor is configured for generating the at least one supervisee data based on the detecting.
9. (Original) The method of claim 1, wherein the geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area, wherein each geofence grid box is characterized by a grid box geofence area of the geofence area, wherein the method comprises:
 - receiving, using the communication device, at least one grid parameter from the at least one supervisor device;
 - analyzing, using the processing device, the at least one grid parameter;
 - determining, using the processing device, the grid box geofence area based on the analyzing of the at least one grid parameter; and
 - generating, using the processing device, a number of geofence grid boxes based on the determining.
10. (Currently Amended) The method of claim 1, wherein the supervisee is associated with at least one ~~near field communication (NFC)~~ identification, wherein the method comprises:

receiving, using the communication device, at least one NFC indication corresponding to the at least NFC identification from the at least one supervisee device; wherein the receiving is performed over short range wireless communication comprising at least one of Bluetooth, Zigbee, Ultra-wideband, Wi-Fi and NFC, and

identifying, using the processing device, the supervisee based on the at least one NFC indication, wherein the generating of the supervision notification is based on the identifying.

11. (Original) A system for facilitating supervision of individuals based on geofencing, the system comprising:

a communication device configured for:

receiving at least one parameter from at least one supervisor device associated with at least one supervisor;

receiving a geographical location from the at least one supervisor device;

receiving at least one supervisee data associated with a supervisee from at least one supervisee device; and

transmitting a supervision notification to the at least one supervisor device;

a processing device configured for:

analyzing the geographical location based on the at least one security parameter;

generating a geofence corresponding to a geographical area based on the analyzing;

analyzing the at least one supervisee data based on the geofence; and
generating the supervision notification based on the analyzing of the at
least one supervisee data; and
a storage device configured for storing the at least one supervisee data and the
supervision notification.

12. (Original) The system of claim 11, wherein the communication device is further
configured for receiving at least one location indication associated with the
geographical area from the at least one supervisor device, wherein the processing
device is further configured for:

identifying at least one location corresponding to the at least one location
indication;

analyzing the at least one supervisee data based on the at least one location;
and

determining a location anomaly based on the analyzing of the at least one
supervisee data based on the at least one location, wherein the generating of the
supervision notification is based on the determining.

13. (Original) The system of claim 11, wherein the supervision notification comprises at
least one supervisee event, wherein the at least one supervisee event is associated
with at least one action, wherein the processing device is further configured for:

determining the at least one action based on the supervision notification; and

performing the at least one action based on the determining, wherein the at
least one action comprises an establishment of a communication session between the
at least one supervisor device and the at least one supervisee device.

14. (Original) The system of claim 11, wherein the processing device is further configured for identifying the supervisee based on the analyzing of the at least one supervisee data, wherein the storage device is configured for retrieving supervisee profile data associated with the supervisee based on the identifying, wherein the generating of the supervision notification is based on the retrieving.
15. (Original) The system of claim 11, wherein the processing device is further configured for:
- identifying at least one object associated with the supervisee based on the analyzing of the at least one supervisee data; and
 - determining a lethality of the at least one object based on the identifying, wherein the generating of the supervision notification is based on the determining.
16. (Original) The system of claim 11, wherein the communication device is further configured for receiving at least one environment data associated the geographical area corresponding to the geofence, wherein the processing device is further configured for:
- analyzing the at least one environment data; and
 - determining at least one threat based on the analyzing of the at least one environment data, wherein the generating of the supervisor notification is based on the determining.
17. (Original) The system of claim 11, wherein the storage device is further configured for retrieving a blueprint associated with the geographical area corresponding to the geofence, wherein the processing device is further configured for analyzing the blueprint and the at least one supervisee data; and

determining a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining.

18. (Original) The system of claim 11, wherein the at least one supervisee device comprises at least one sensor, wherein the at least one sensor is configured for detecting at least one signal made by the supervisee, wherein the at least one sensor is configured for generating the at least one supervisee data based on the detecting.

19. (Original) The system of claim 11, wherein the geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area, wherein each geofence grid box is characterized by a grid box geofence area of the geofence area, wherein the communication device is further configured for receiving at least one grid parameter from the at least one supervisor device, wherein the processing device is further configured for:

analyzing the at least one grid parameter;

determining the grid box geofence area based on the analyzing of the at least one grid parameter; and

generating a number of geofence grid boxes based on the determining.

20. (Currently Amended) The system of claim 11, wherein the supervisee is associated with at least one ~~near field communication (NFC)~~ identification, wherein the communication device is further configured for receiving at least one NFC indication corresponding to the at least NFC identification from the at least one supervisee device, wherein the receiving is performed over short range wireless communication

comprising at least one of Bluetooth, Zigbee, Ultra-wideband, Wi-Fi and NFC,

wherein the processing device is further configured for identifying the supervisee based on the at least one NFC indication, wherein the generating of the supervision notification is based on the identifying.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/810,703	03/05/2020	Gary Thomas Baker Jr.	TUP54874	1752
62439	7590	08/04/2021	EXAMINER	
Sinorica LLC dba Thoughts to Paper 20251 Century Blvd Ste 140 Germantown, MD 20874			ADNAN, MUHAMMAD	
			ART UNIT	PAPER NUMBER
			2688	
			NOTIFICATION DATE	DELIVERY MODE
			08/04/2021	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

SINORICA@GMAIL.COM
pair@sinorica.com
sinorica@outlook.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Election/Restriction

Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-10, drawn to an apparatus, classified in H04W 4/021.

II. Claims 11-20, drawn to method using a valve assembly, classified in G08B21/0208.

The inventions are independent or distinct, each from the other because:

Inventions Group I and Group II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product. See MPEP § 806.05(h). In the instant case the product as claimed can be used in a materially different process of using that product e.g. a process of performing remote communication or a process of remotely updated a device settings.

Restriction for examination purposes as indicated is proper because all the inventions listed in this action are independent or distinct for the reasons given above and there would be a serious search and/or examination burden if restriction were not required because one or more of the following reasons apply:

There is an examination and search burden for these patentably distinct groups due to their mutually exclusive characteristics. The groups require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search queries); and/or the

prior art applicable to one groups would not likely be applicable to another groups; and/or the groups are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112 (a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of an invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention .

The election of an invention may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable upon the elected invention.

Should applicant traverse on the ground that the inventions are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103 or pre-AIA 35 U.S.C. 103(a) of the other invention.

A telephone call was NOT made to Applicant to request an oral election regarding the election/restriction requirement due to at least one of the following:

- i. the restriction requirement is complex**
- ii. the application is being prosecuted by the applicant pro se**
- iii. from past experience an election will not be made by Applicant or Applicant's representative over the telephone.**

See MPEP 812.01

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be corrected in compliance with 37 CFR 1.48(a) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. A request to correct inventorship under 37 CFR 1.48(a) must be accompanied by an application data sheet in accordance with 37 CFR 1.76 that identifies each inventor by his or her legal name and by the processing fee required under 37 CFR 1.17(i).

The examiner has required restriction between product or apparatus claims and process claims. Where applicant elects claims directed to the product/apparatus, and all product/apparatus claims are subsequently found allowable, withdrawn process claims that include all the limitations of the allowable product/apparatus claims should be considered for rejoinder. All claims directed to a nonelected process invention must include all the limitations of an allowable product/apparatus claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product/apparatus claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product/apparatus are found allowable, an otherwise proper restriction requirement between product/apparatus claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product/apparatus claim will not be rejoined. See MPEP § 821.04. Additionally, in order for rejoinder to occur, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product/apparatus claims. **Failure to do so may result in no rejoinder.** Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUHAMMAD ADNAN whose telephone number is (571)270-3705. The examiner can normally be reached on Monday-Thursday 10AM-6PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Lim can be reached on 571-270-1210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <https://ppair-my.uspto.gov/pair/PrivatePair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MUHAMMAD ADNAN/
Primary Examiner, Art Unit 2688

<i>Index of Claims</i> 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47										
CLAIM		DATE								
Final	Original	07/30/2021								
	1	÷								
	2	÷								
	3	÷								
	4	÷								
	5	÷								
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Electronic Acknowledgement Receipt	
EFS ID:	43943142
Application Number:	16810703
International Application Number:	
Confirmation Number:	1752
Title of Invention:	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING
First Named Inventor/Applicant Name:	Gary Thomas Baker
Customer Number:	62439
Filer:	Kejun Gu/Alex Zhou
Filer Authorized By:	Kejun Gu
Attorney Docket Number:	TUP54874
Receipt Date:	04-OCT-2021
Filing Date:	05-MAR-2020
Time Stamp:	17:35:57
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Response to Election / Restriction Filed	OArestriction_election_16810703.pdf	174891 38b6df8c35752548fa67908f67d83e95b45dc954	no	10
Warnings:					

Information:	
Total Files Size (in bytes):	174891
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of the first inventor:	*	Group Art Unit: 2688
Gary Thomas Baker	*	
	*	Examiner: ADNAN, MUHAMMAD
	*	
Serial No: 16/810,703	*	Attorney Docket No: TUP54874
	*	
Filed: 03-05-2020	*	
	*	
Title: SYSTEMS AND METHODS FOR	*	
FACILITATING SUPERVISION	*	
OF INDIVIDUALS BASED ON	*	
GEOFENCING	*	

United States Patent and Trademark Office
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO RESTRICTION / ELECTION REQUIREMENT

This correspondence is responsive to the Restriction / Election requirement issued on 08/04/2021, concerning the subject patent application. Enclosed are,

1. A listing of claims
2. Remarks

Please amend the application as follows:

Listing of Claims

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Withdrawn) A method for facilitating supervision of individuals based on geofencing, the method comprising:
 - receiving, using a communication device, at least one parameter from at least one supervisor device associated with at least one supervisor;
 - receiving, using the communication device, a geographical location from the at least one supervisor device;
 - analyzing, using a processing device, the geographical location based on the at least one security parameter;
 - generating, using the processing device, a geofence corresponding to a geographical area based on the analyzing;
 - receiving, using the communication device, at least one supervisee data associated with a supervisee from at least one supervisee device;
 - analyzing, using the processing device, the at least one supervisee data based on the geofence;
 - generating, using the processing device, a supervision notification based on the analyzing of the at least one supervisee data;
 - transmitting, using the communication device, the supervision notification to the at least one supervisor device; and
 - storing, using a storage device, the at least one supervisee data and the supervision notification.
2. (Withdrawn) The method of claim 1 further comprising:
 - receiving, using the communication device, at least one location indication associated with the geographical area from the at least one supervisor device;
 - identifying, using the processing device, at least one location corresponding to the at least one location indication;

analyzing, using the processing device, the at least one supervisee data based on the at least one location; and

determining, using the processing device, a location anomaly based on the analyzing of the at least one supervisee data based on the at least one location, wherein the generating of the supervision notification is based on the determining.

3. (Withdrawn) The method of claim 1, wherein the supervision notification comprises at least one supervisee event, wherein the at least one supervisee event is associated with at least one action, wherein the method comprises:

determining, using the processing device, the at least one action based on the supervision notification; and

performing, using the processing device, the at least one action based on the determining, wherein the at least one action comprises an establishment of a communication session between the at least one supervisor device and the at least one supervisee device.

4. (Withdrawn) The method of claim 1 further comprising:

identifying, using the processing device, the supervisee based on the analyzing of the at least one supervisee data; and

retrieving, using the storage device, supervisee profile data associated with the supervisee based on the identifying, wherein the generating of the supervision notification is based on the retrieving.

5. (Withdrawn) The method of claim 1 further comprising:

identifying, using the processing device, at least one object associated with the supervisee based on the analyzing of the at least one supervisee data; and

determining, using the processing device, a lethality of the at least one object based on the identifying, wherein the generating of the supervision notification is based on the determining.

6. (Withdrawn) The method of claim 1 further comprising:

receiving, using the communication device, at least one environment data associated the geographical area corresponding to the geofence;

analyzing, using the processing device, the at least one environment data; and

determining, using the processing device, at least one threat based on the analyzing of the at least one environment data, wherein the generating of the supervisor notification is based on the determining.

7. (Withdrawn) The method of claim 1 further comprising:

retrieving, using the storage device, a blueprint associated with the geographical area corresponding to the geofence;

analyzing, using the processing device, the blueprint and the at least one supervisee data; and

determining, using the processing device, a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining.

8. (Withdrawn) The method of claim 1, wherein the at least one supervisee device comprises at least one sensor, wherein the at least one sensor is configured for detecting at least one signal made by the supervisee, wherein the at least one sensor is configured for generating the at least one supervisee data based on the detecting.

9. (Withdrawn) The method of claim 1, wherein the geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area, wherein each geofence grid box is characterized by a grid box geofence area of the geofence area, wherein the method comprises:

receiving, using the communication device, at least one grid parameter from the at least one supervisor device;

analyzing, using the processing device, the at least one grid parameter;

determining, using the processing device, the grid box geofence area based on the analyzing of the at least one grid parameter; and

generating, using the processing device, a number of geofence grid boxes based on the determining.

10. (Withdrawn) The method of claim 1, wherein the supervisee is associated with at least one identification, wherein the method comprises:

receiving, using the communication device, at least one NFC indication corresponding to the at least NFC identification from the at least one supervisee device; wherein the receiving is performed over short range wireless communication comprising at least one of Bluetooth, Zigbee, Ultra-wideband, Wi-Fi and NFC, and identifying, using the processing device, the supervisee based on the at least one NFC indication, wherein the generating of the supervision notification is based on the identifying.

11. (Original) A system for facilitating supervision of individuals based on geofencing, the system comprising:

a communication device configured for:

receiving at least one parameter from at least one supervisor device associated with at least one supervisor;

receiving a geographical location from the at least one supervisor device;

receiving at least one supervisee data associated with a supervisee from at least one supervisee device; and

transmitting a supervision notification to the at least one supervisor device;

a processing device configured for:

analyzing the geographical location based on the at least one security parameter;

generating a geofence corresponding to a geographical area based on the analyzing;

analyzing the at least one supervisee data based on the geofence; and

generating the supervision notification based on the analyzing of the at least one supervisee data; and
a storage device configured for storing the at least one supervisee data and the supervision notification.

12. (Original) The system of claim 11, wherein the communication device is further configured for receiving at least one location indication associated with the geographical area from the at least one supervisor device, wherein the processing device is further configured for:

identifying at least one location corresponding to the at least one location indication;

analyzing the at least one supervisee data based on the at least one location; and

determining a location anomaly based on the analyzing of the at least one supervisee data based on the at least one location, wherein the generating of the supervision notification is based on the determining.

13. (Original) The system of claim 11, wherein the supervision notification comprises at least one supervisee event, wherein the at least one supervisee event is associated with at least one action, wherein the processing device is further configured for:

determining the at least one action based on the supervision notification; and

performing the at least one action based on the determining, wherein the at least one action comprises an establishment of a communication session between the at least one supervisor device and the at least one supervisee device.

14. (Original) The system of claim 11, wherein the processing device is further configured for identifying the supervisee based on the analyzing of the at least one supervisee data, wherein the storage device is configured for retrieving supervisee profile data associated with the supervisee based on the identifying, wherein the generating of the supervision notification is based on the retrieving.

15. (Original) The system of claim 11, wherein the processing device is further configured for:
- identifying at least one object associated with the supervisee based on the analyzing of the at least one supervisee data; and
 - determining a lethality of the at least one object based on the identifying, wherein the generating of the supervision notification is based on the determining.
16. (Original) The system of claim 11, wherein the communication device is further configured for receiving at least one environment data associated the geographical area corresponding to the geofence, wherein the processing device is further configured for:
- analyzing the at least one environment data; and
 - determining at least one threat based on the analyzing of the at least one environment data, wherein the generating of the supervisor notification is based on the determining.
17. (Original) The system of claim 11, wherein the storage device is further configured for retrieving a blueprint associated with the geographical area corresponding to the geofence, wherein the processing device is further configured for analyzing the blueprint and the at least one supervisee data; and
- determining a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining.
18. (Original) The system of claim 11, wherein the at least one supervisee device comprises at least one sensor, wherein the at least one sensor is configured for detecting at least one signal made by the supervisee, wherein the at least one sensor is configured for generating the at least one supervisee data based on the detecting.
19. (Original) The system of claim 11, wherein the geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence

comprises a plurality of geofence grid boxes associated with the geofence area, wherein each geofence grid box is characterized by a grid box geofence area of the geofence area, wherein the communication device is further configured for receiving at least one grid parameter from the at least one supervisor device, wherein the processing device is further configured for:

- analyzing the at least one grid parameter;
- determining the grid box geofence area based on the analyzing of the at least one grid parameter; and
- generating a number of geofence grid boxes based on the determining.

20. (Previously Presented) The system of claim 11, wherein the supervisee is associated with at least one identification, wherein the communication device is further configured for receiving at least one NFC indication corresponding to the at least one NFC identification from the at least one supervisee device, wherein the receiving is performed over short range wireless communication comprising at least one of Bluetooth, Zigbee, Ultra-wideband, Wi-Fi and NFC, wherein the processing device is further configured for identifying the supervisee based on the at least one NFC indication, wherein the generating of the supervision notification is based on the identifying.

REMARKS**Status of Claims**

Claims 1-20 are pending in this application.

Claims 1-10 are withdrawn.

Restriction Requirement

The Office Action requires a restriction to one of the following groups of claims.

I. Claims 1-10, drawn to an apparatus, classified in H04W 4/021.

II. Claims 11-20, drawn to method using a valve assembly, classified in G08B21/0208.

The applicant wishes to bring the examiner's attention to the facts that:

- (1). Claims 1-10 are drawn to a method and claims 11-20 are drawn to an apparatus.
- (2). The phrase "valve assembly" does not appear in the specification and claims.

In response to the Restriction Requirement, Applicant hereby elects Group II comprising claims 11-20 without traverse. Claims 1-10, drawn to non-elected Group I, are hereby withdrawn.

The Examiner is invited to telephone the undersigned, Applicant's Attorney of Record, to facilitate advancement of the present application.

Respectfully submitted,

10-4-2021

Date

Sinorica, LLC

/Kejun Gu/

Kejun Gu
Registration No.: L1274

16/810,703

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Germantown, MD 20874
301-551-5128
DanielG@thoughtstopaper.com

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 16/810,703		Filing Date 03/05/2020		☐ To be Mailed		
ENTITY: ☐ LARGE ☐ SMALL ☒ MICRO										
APPLICATION AS FILED - PART I										
		(Column 1)	(Column 2)							
FOR		NUMBER FILED	NUMBER EXTRA		RATE (\$)		FEE (\$)			
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A		N/A					
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A	N/A		N/A					
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A		N/A					
TOTAL CLAIMS (37 CFR 1.16(j))		minus 20 =	*		x \$25 =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =	*		x \$115 =					
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))										
* If the difference in column 1 is less than zero, enter "0" in column 2.					TOTAL					
APPLICATION AS AMENDED - PART II										
		(Column 1)	(Column 2)		(Column 3)					
AMENDMENT	10/04/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	x \$25 =	0			
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	x \$120 =	0			
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE	0			
AMENDMENT		(Column 1)	(Column 2)		(Column 3)					
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =				
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =				
	☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
						TOTAL ADD'L FEE				
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						LIE				
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/VINCENT S BUTLER/				
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".										
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.										

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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Sinorica LLC dba Thoughts to Paper			ADNAN, MUHAMMAD	
20251 Century Blvd Ste 140				
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

SINORICA@GMAIL.COM
pair@sinorica.com
sinorica@outlook.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Election/Restrictions

Applicant's election without traverse of 11-20 in the reply filed on 10/04/2021 is acknowledged.

Drawings

The drawings were received on 03/05/2020. These drawings are acceptable.

Claims Status

Claims 11-20 are elected in light of the restriction mailed on 08/04/2021 and claims 1-10 are withdrawn as being directed to non-elected invention. Therefore, claims 11-20 are pending for examination in this Office action.

Claim Objections

Claims 11-20 objected to because of the following informalities.

Regarding claim 11, there is insufficient antecedent basis for the term "the at least one security parameter".

Regarding claim 18, there is insufficient antecedent basis for the term "the at least one sensor".

Regarding claim 20, the term "NFC" needs to be completely spelled out at least once.

Claims 12-17 and 19 are objected to for being dependent on objected base claim 11.

Appropriate correction is required.

Claim Interpretation

The following is a quotation of 35 U.S.C. 112(f):

(f) Element in Claim for a Combination. – An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

The following is a quotation of pre-AIA 35 U.S.C. 112, sixth paragraph:

An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

The claims in this application are given their broadest reasonable interpretation using the plain meaning of the claim language in light of the specification as it would be understood by one of ordinary skill in the art. The broadest reasonable interpretation of a claim element (also commonly referred to as a claim limitation) is limited by the description in the specification when 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is invoked.

As explained in MPEP § 2181, subsection I, claim limitations that meet the following three-prong test will be interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph:

- (A) the claim limitation uses the term “means” or “step” or a term used as a substitute for “means” that is a generic placeholder (also called a nonce term or a non-structural term having no specific structural meaning) for performing the claimed function;
- (B) the term “means” or “step” or the generic placeholder is modified by functional language, typically, but not always linked by the transition word “for” (e.g., “means for”) or another linking word or phrase, such as “configured to” or “so that”; and

(C) the term “means” or “step” or the generic placeholder is not modified by sufficient structure, material, or acts for performing the claimed function.

Use of the word “means” (or “step”) in a claim with functional language creates a rebuttable presumption that the claim limitation is to be treated in accordance with 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph. The presumption that the claim limitation is interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is rebutted when the claim limitation recites sufficient structure, material, or acts to entirely perform the recited function.

Absence of the word “means” (or “step”) in a claim creates a rebuttable presumption that the claim limitation is not to be treated in accordance with 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph. The presumption that the claim limitation is not interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is rebutted when the claim limitation recites function without reciting sufficient structure, material or acts to entirely perform the recited function.

This application includes one or more claim limitations that do not use the word “means,” but are nonetheless being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, because the claim limitation(s) uses a generic placeholder that is coupled with functional language without reciting sufficient structure to perform the recited function and the generic placeholder is not preceded by a structural modifier. Such claim limitation(s) is/are: “a communication device configured for: receiving...receiving...receiving...and transmitting”, “a processing device configured for: analyzing...generating...analyzing...and generating”, “a storage device configured for storing...” in claim 1; similarly the claimed limitation are recited in claims 12-17, 19 and 20.

Because this/these claim limitation(s) is/are being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, it/they is/are being interpreted to cover the corresponding structure described in the specification as performing the claimed function, and equivalents thereof.

If applicant does not intend to have this/these limitation(s) interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, applicant may: (1) amend the claim limitation(s) to avoid it/them being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph (e.g., by reciting sufficient structure to perform the claimed function); or (2) present a sufficient showing that the claim limitation(s) recite(s) sufficient structure to perform the claimed function so as to avoid it/them being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph.

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-12, 17, 19 and 20 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor (or for applications subject to pre-AIA 35 U.S.C. 112, the applicant), regards as the invention.

Claim limitations “a communication device configured for: receiving...receiving...receiving...and transmitting”, “a processing device configured for: analyzing...generating...analyzing...and generating”, “a storage device configured for storing...” invoke 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph. However, the written description fails to disclose the corresponding structure, material, or acts for performing the entire claimed function and to clearly link the structure, material, or acts to the function. Therefore, the claim is indefinite and is rejected under 35 U.S.C. 112(b) or pre-AIA 35 U.S.C. 112, second paragraph.

Applicant may:

- (a) Amend the claim so that the claim limitation will no longer be interpreted as a limitation under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph;
- (b) Amend the written description of the specification such that it expressly recites what structure, material, or acts perform the entire claimed function, without introducing any new matter (35 U.S.C. 132(a)); or
- (c) Amend the written description of the specification such that it clearly links the structure, material, or acts disclosed therein to the function recited in the claim, without introducing any new matter (35 U.S.C. 132(a)).

If applicant is of the opinion that the written description of the specification already implicitly or inherently discloses the corresponding structure, material, or acts and clearly links them to the function so that one of ordinary skill in the art would recognize what structure, material, or acts perform the claimed function, applicant should clarify the record by either:

- (a) Amending the written description of the specification such that it expressly recites the corresponding structure, material, or acts for performing the claimed function and clearly links or associates the structure, material, or acts to the claimed function, without introducing any new matter (35 U.S.C. 132(a)); or
 - (b) Stating on the record what the corresponding structure, material, or acts, which are implicitly or inherently set forth in the written description of the specification, perform the claimed function.
- For more information, see 37 CFR 1.75(d) and MPEP §§ 608.01(o) and 2181.

Claim Rejections - 35 USC § 102

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory

basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale, or otherwise available to the public before the effective filing date of the claimed invention.

(a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

Claim(s) 11-14 is/are rejected under 35 U.S.C. 102(a)(1) and 102(a)(2) as being anticipated by Randazzo et al. (Randazzo; US 2013/0143527).

As per claim 11, Randazzo teaches a system for facilitating supervision of individuals based on geofencing (see e.g. FIGS. 1-5), the system comprising:

a communication device **(one or more communication devices; see e.g. FIGS. 1-3d)** configured for:

receiving at least one parameter from at least one supervisor device associated with at least one supervisor **(receiving one or more parameters, i.e. management information including notification activation information, from a master device associated with a master user; see e.g. FIGS. 3b-3d and para. [0046-47]);**

receiving a geographical location from the at least one supervisor device **(the received management information comprises a geographical restriction; see e.g. para. [0011] and [0015]);**

receiving at least one supervisee data associated with a supervisee from at least one supervisee device **(one or more data associated with remote mobile device[s] or controlled**

device[s] 140 is received from the remote mobile device[s] or the controlled device[s] 140; see e.g. FIGS. 3b and 3c); and

transmitting a supervision notification to the at least one supervisor device (a notification is transmitted to master user or master user device 110; see e.g. FIG. 3c and 3d);

a processing device (the remote device 140 as well as the servers 130 comprises one or more processing devices) configured for:

analyzing the geographical location based on at least one security parameter (the received management information, which comprises location information as discussed earlier, is at least partly analyzed/processed at the server 130 as well as the remote device[s] 130 upon receiving the management information; see e.g. para. [0081-82]);

generating a geofence corresponding to a geographical area based on the analyzing (the management information includes a geographic boundary, see e.g. para. [0014], which means the remote mobile device/the controlled device or the remote servers can generate a geofence corresponding to a geographical area based on the analyzing of the received management information);

analyzing the at least one supervisee data based on the geofence (one or more data associated with the remote device[s] is analyzed based on the defined boundary or geofence; see e.g. para. [0014] and [0061]); and

generating the supervision notification based on the analyzing of the at least one supervisee data (a notification, a restriction or both can be outputted based on the analyzing of one or more data associated with the remote device[s]; see e.g. FIGS. 3a-3d, para. [0014-15], [0049-50] and [0061]); and

a storage device configured for storing the at least one supervisee data and the supervision notification (the master device, the server and the remote mobile device at least comprise a storage

device wherein the one or more of these storage device[s] can, at least temporarily, store the notification [since the notification is generated by the remote device[s] and sent to servers and eventually the master user device] or data associated with the remote device[s] i.e. location information [see e.g. para. 0014,], time information [see e.g. para. 0015], movement information [see e.g. para. 0055], and so forth).

As per claim 12, the system of claim 11 as taught by Randazzo, wherein the communication device is further configured for receiving at least one location indication associated with the geographical area from the at least one supervisor device (as discussed in analysis of merits of claim 11, one or more communication devices receive a management data which comprises one or more location indications), wherein the processing device is further configured for:

identifying at least one location corresponding to the at least one location indication (the generated notification is outputted when location, movement or time breach occurs, which means at least one location is identified and it is determined whether the location corresponds or not to the preset boundary or location; see e.g. para. [0061]);

analyzing the at least one supervisee data based on the at least one location (the geographic location or position of the remote device[s] is analyzed based on the set boundary or location; see e.g. para. [0061]); and

determining a location anomaly based on the analyzing of the at least one supervisee data based on the at least one location, wherein the generating of the supervision notification is based on the determining (as discussed, a geographic location breach is determined and a notification is generated based on the breach; see e.g. para. [0014-15], [0049-50] and [0061]).

As per claim 13, the system of claim 11 as taught by Randazzo, wherein the supervision notification comprises at least one supervisee event (the generated notification comprises at least one event i.e. restriction/notification condition has been met by the remote device; see e.g. FIG. 3d),

wherein the at least one supervisee event is associated with at least one action **(the event is associated with at least one action, i.e. geographic location, time, or movement breach as discusses earlier)**, wherein the processing device is further configured for:

determining the at least one action based on the supervision notification **(one or more action can determined based on the notification i.e. sending the notification to the master device; see e.g. FIG. 3d)**; and

performing the at least one action based on the determining, wherein the at least one action comprises an establishment of a communication session between the at least one supervisor device and the at least one supervisee device **(the at least one action of the sending the notification to the master device is performed, see e.g. FIG. 3d, wherein the action is an establishment of [indirect] communication session between the master device and the remote device)**.

As per claim 14, The system of claim 11 as taught by Randazzo, wherein the processing device is further configured for identifying the supervisee based on the analyzing of the at least one supervisee data **(the one or more processing devices can identify the remote devices based on analyzing of geographic location, movement, and/or time data as discussed earlier)**, wherein the storage device is configured for retrieving supervisee profile data associated with the supervisee based on the identifying, wherein the generating of the supervision notification is based on the retrieving **(the disclosed system outputs indication or notification to one or more master devices as discussed earlier, see also FIG. 3c and 3d, wherein the master device[s] and remote device[s] are associated, see e.g. FIG. 3a, stored and retrieved for outputting the notification)**.

As per claim 18, the system of claim 11 as taught by Randazzo, wherein the at least one supervisee device comprises at least one sensor **(the disclosed system comprises one or more sensors for detection one or more signals generated by its user, i.e. movement of the user, travelling beyond a**

certain radius and so forth; see e.g. para. [0055] and [0061]], wherein the at least one sensor is configured for detecting at least one signal made by the supervisee (wherein the sensor detects one or more signals generated by the user i.e. movement, travelling beyond certain boundary etc.), wherein the at least one sensor is configured for generating the at least one supervisee data based on the detecting (the notification or restriction is made when the one or more sensors detect the user associated with the remote devices has breached a physical boundary or a movement beyond a threshold; see e.g. para. [0027], [0055] and [0061]).

Claim Rejections - 35 USC § 103

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims the examiner presumes that the subject matter of the various claims was commonly owned as of the effective filing date of the claimed invention(s) absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and effective filing dates of each claim that was not commonly owned as of the effective filing date of the later invention in order for the examiner to consider the applicability of 35 U.S.C. 102(b)(2)(C) for any potential 35 U.S.C. 102(a)(2) prior art against the later invention.

Claim 15 and 17 is/are rejected under 35 U.S.C. 103 as being unpatentable over Randazzo as applied to claim 11 above, and further in view of Eaton, JR. et al. (Eaton; US 2011/0106561).

As per claim 15, the system of claim 11 as taught by Randazzo, but fails to teach that the processing device is further configured for: identifying at least one object associated with the supervisee based on the analyzing of the at least one supervisee data; and determining a lethality of the at least one object based on the identifying, wherein the generating of the supervision notification is based on the determining.

Eaton, however, identifying at least one object associated with supervisee based on analyzing of the at least one supervisee data (**an object associated with a supervised device, see e.g. para. [0031], is identified based on analyzing of one or more data associated with the; see e.g. i.e. IV pump is low on fluids; see e.g. para. [0035]**); and determining a lethality of the at least one object based on the identifying, wherein generating of the supervision notification is based on the determining (**determining a lethality of the object as being not appropriate for use [not using an appropriate medical device can**

have lethality equal to 1 and using an appropriate medical device can have lethality equal to zero], see e.g. para. [0003], based on the identifying, see e.g. para. [0035], wherein an alert is generated based on the determining; see e.g. para. [0033-34]).

Randazzo and Easton are in a same or similar field of generating a notification or alert based on a condition, therefore it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to combine their teachings for the purpose of generating an alert including location data which in turn improve the notification value.

As per claim 17, the system of claim 11 as taught by Randazzo, wherein Randazzo further teaches that the geographical area corresponding to a boundary or radius can represent a building, see e.g. para. [0061], but fails to teach that the storage device is further configured for retrieving a blueprint associated with the building, wherein the processing device is further configured for analyzing the blueprint and the at least one supervisee data; and determining a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining.

Eaton, however, teaches retrieving a blueprint associated with the building (**presenting an alert along with corresponding location of the alert with a blueprint of healthcare environment, see e.g. para. [0003], which means blueprint of the healthcare facility is retrieved; see also para. [0048]),** wherein processing device is further configured for analyzing the blueprint and at least one supervisee data (**the blueprint and at least one supervised data is analyzed i.e. IV pump is low on fluids or below a threshold; see e.g. para. [0003] and [0035]);** and determining a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining (**location of the supervised device on the blueprint is determined based on the blueprint, as discussed earlier, and supervisee data i.e. clinical device identifier, for example, see e.g. abstract and para. [0031]).**

Randazzo and Easton are in a same or similar field of generating a notification or alert based on a condition, therefore it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to combine their teachings for the purpose of generating an alert including location data which in turn improve the notification value.

Claim 16 is/are rejected under 35 U.S.C. 103 as being unpatentable over Randazzo as applied to claim 11 above, and further in view of Thalsofer (Thalsofer; US 2019/0130722).

As per claim 16, the system of claim 11 as taught by Randazzo, wherein Randazzo teaches receiving at least one data associated the geographical area corresponding to the geofence (as discussed earlier, one or more data associated with geographic location corresponding to a geographic boundary i.e. the boundary is breached for example, see e.g. abstract and para. [0014]), wherein the processing device is further configured for: analyzing the at least one data **(one or more processing devices inside the controlled or remote devices 140 or the servers 130 analyze the data and notification/restriction is issued in response, see e.g. FIGS. 3a-3d, as discussed previously)**; and determining at least one threat based on the analyzing of the at least one data, wherein the generating of the supervisor notification is based on the determining **(a threat is determined and the notification/restriction is issued as discussed; see e.g. para. [0061])**.

Randazzo does not explicitly teach that the data is environment data.

Thalsofer, additionally, teaches a communication device is further configured for receiving at least one environment data associated the geographical area [corresponding to the geofence] **(a sensor receives environment data associated with the geographical area the device is location in; see e.g. para. [0027])**, wherein processing device is further configured for: analyzing the at least one environment data **(a processor can process or analyze the received environmental data; see e.g. para. [0024-27])**; and determining at least one threat based on the analyzing of the at least one environment

data, wherein generating of a supervisor notification is based on the determining **(a threat based on the analysis or the processing and a notification is issued based on the determining; see e.g. para. [0027] and FIG. 6)**. Randazzo and Thalhofer are in a same or similar field of generating an alarm or alert when preset condition is met, therefore it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to combine their teachings for the purpose of improved safety of the user associated with monitored devices.

Claim 20 is/are rejected under 35 U.S.C. 103 as being unpatentable over Randazzo as applied to claim 11 above, and further in view of Silberschatz (Silberschatz; US 2019/0279481) with provisionally filed application No. 62/639,799.

As per claim 20, the system of claim 11 as taught by Randazzo, wherein the supervisee is associated with at least one identification **(the one or more remote devices and the corresponding user as associated with a device identifier; see e.g. para. [0043])**, wherein the communication device is further configured for receiving at least one indication corresponding to the at least identification from the at least one supervisee device **(one or more notifications can be received by the servers and the master device from the remote devices, see e.g. FIGS. 3a-3d, wherein the notification is corresponding to identification of the remote device[s]; see e.g. para. [0043] and [0074])**, wherein the processing device is further configured for identifying the supervisee based on the at least one indication **(the processing device[s] in the remote devices and/or in the servers would identify the remote devices based on the identification[s] of the remote devices; see e.g. para. [0074])**, wherein the generating of the supervision notification is based on the identifying **(the notification is generated which includes identifying information of the remote device and issue the notification based on the identifying information to the corresponding master device, see e.g. FIG. 3a-3d; the notification issued to the**

master device is based on the identifying information of the remote device i.e. which user account the remote device is associated with).

Randazzo does not explicitly teach that the indication is NFC indication and the receiving is performed over short range wireless communication comprising at least one of Bluetooth, Zigbee, Ultra-wideband, Wi-Fi and NFC.

Silberschatz, however, teaches that one or more devices may be capable of connecting with other devices, computers, or electronic devices wirelessly such as through near field communications (NFC), Bluetooth® Wi-Fi, or mobile broadband networks (**see e.g. para. [0140]**) for sending and receiving, wherein the communication protocol include short range communication protocols and using the NFC or Bluetooth® would require NFC or Bluetooth® indication at least once as known in the art.

Randazzo and Silberschatz are in a same or similar field of communicating wirelessly, therefore it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to combine their teachings for the purpose of improving security.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUHAMMAD ADNAN whose telephone number is (571)270-3705. The examiner can normally be reached Monday-Thursday 10AM-6PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Lim can be reached on 571-270-1210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MUHAMMAD ADNAN/
Primary Examiner, Art Unit 2688

Notice of References Cited	Application/Control No. 16/810,703		Applicant(s)/Patent Under Reexamination Baker, Gary Thomas	
	Examiner MUHAMMAD ADNAN		Art Unit 2688	Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20190252054-A1	08-2019	DIRANI; Mohamed	G16H50/30	1/1
*	B	US-8761803-B2	06-2014	Frank; Scott	H04L63/0407	455/456.3
*	C	US-20120237908-A1	09-2012	Fitzgerald; William	H04W4/02	434/236
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*	E	US-20110227730-A1	09-2011	Stevenson; Brent	G08B21/22	340/540
*	F	US-20130143527-A1	06-2013	Randazzo; Phillip	H04W8/18	455/411
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*	J	US-20190130722-A1	05-2019	Thalhofer; Alicia	A44C5/2038	1/1
	K					
	L					
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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
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	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Search Notes</i> 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

CPC - Searched*		
Symbol	Date	Examiner
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with Text Search	01/13/2022	MA

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor Search	01/13/2022	MA
EAST Search	01/13/2022	MA
Google Patents and IP.com Search	01/13/2022	MA
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with Text Search	01/13/2022	MA

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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Systems and methods with geo-fencing device hierarchy

WO EP CN JP UK · [EP2140710B1](#) · Ming GONG · SZ DJI Technology Co., Ltd.

Priority 2015-03-31 · Filed 2015-03-31 · Granted 2018-10-17 · Published 2018-10-17

The flight **supervision** module may utilize **data** collected by one or more sensors on-board the UAV. The flight **supervision** module may utilize **data** ... Additional aspects of the invention may be directed to a method of identifying a geo-fencing device, said method comprising: receiving a **geo-fence** ...

Geo-fencing device and method of providing a set of flight restrictions

WO EP CN JP · [JP6524548B2](#) · ゴン・ミン・エスゲットディージェイアイテクノロジーカンパニーリミテッドS & D J I Technology Co., Ltd

Priority 2015-03-31 · Filed 2015-03-31 · Granted 2019-06-05 · Published 2019-06-05

The flight **supervision** module may utilize **data** collected by one or more sensors onboard the UAV. The flight **supervision** module may utilize **data** ... The **geofencing** device according to any one of claims 2 to 5, wherein the **geofencing** device receives a UAV identifier identifying the UAV from other ...

Systems and methods for geo-fencing device communications

WO EP US CN JP · [US20180088567A1](#) · Ming Gong · SZ DJI Technology Co., Ltd

Priority 2015-03-31 · Filed 2017-09-29 · Published 2018-03-08

The flight **supervision** module may utilize **data** collected by one or more sensors on-board the UAV. The flight **supervision** module may utilize **data** ... Additional aspects of the invention may be directed to a method of identifying a geo-fencing device, said method comprising: receiving a **geo-fence** ...

Method for displaying geofencing information and display device

WO EP CN JP · [JP6447835B2](#) · ゴン・ミン・エスゲットディージェイアイテクノロジーカンパニーリミテッドS & D J I Technology Co., Ltd

Priority 2015-03-31 · Filed 2015-03-31 · Granted 2019-01-09 · Published 2019-01-09

... part of the user's body. The user may provide a physical sample (eg saliva, blood, cut nails, or cut hair) that can be **analyzed** to identify the user. ... A method of displaying **geofencing** information for an unmanned aerial vehicle (UAV). Receiving **geofencing** device **data** including a plurality of ...

Real-time tracking and analyzing to improve business, operations, and customer ...

US · [US10872160B2](#) · GirishnivasRao AthuluruThirumala · yTire, Inc.

Priority 2013-05-23 · Filed 2019-07-09 · Granted 2020-12-22 · Published 2020-12-22

...). In an exemplary embodiment, the **manager** device 400 M can be a **master device** and can include a secure hotspot connection forming the WIFI hotspot 502 ... each design parameter has an objective measure; **analyzing** the **data** to compare performance of the service with respect to the design parameters; and ...

Real-time customer experience management systems and methods

US · [US10322102B2](#) · GirishnivasRao AthuluruThirumala · yTire, Inc.

Priority 2013-05-23 · Filed 2014-05-23 · Granted 2019-06-18 · Published 2019-06-18

...). In an exemplary embodiment, the **manager** device 400 M can be a **master device** and can include a secure hotspot connection forming the WIFI hotspot 502 ... **analyze** the **data** to determine different experiences occurring at the site for providing an opportunity to the plurality of users, to provide ...

Geofencing device identification method and geofencing device identification ...

WO EP CN JP · [JP6355034B2](#) · ゴン・ミン・エスゲットディージェイアイテクノロジーカンパニーリミテッドS & D J I Technology Co., Ltd

Priority 2015-03-31 · Filed 2015-03-31 · Granted 2018-07-11 · Published 2018-07-11

... part of the user's body. The user may provide a physical sample (eg saliva, blood, cut nails, or cut hair) that can be **analyzed** to identify the user. ... According to further aspects of the invention, a method for controlling a **geofencing** device may be provided. The method provides: (1) receiving **data** ...

Geofencing device, UAV system, UAV, and method for generating a set of flight ...

WO EP CN JP · [JP6573203B2](#) · ゴン・ミン・エスゲットディージェイアイテクノロジーカンパニーリミテッドS & D J I Technology Co., Ltd

Priority 2015-03-31 · Filed 2015-03-31 · Granted 2019-09-11 · Published 2019-09-11

... part of the user's body. The user may provide a physical sample (eg saliva, blood, cut nails, or cut hair) that can be analyzed to identify the user. ... According to further aspects of the invention, a method for controlling a geofencing device may be provided. The method provides: (1) receiving data ...

Systems and methods for monitoring for and preempting pre-identified ...



US • [US10361302B2](#) • David H. Williams • David H. Williams
Priority 2016-12-15 • Filed 2019-12-02 • Granted 2020-12-08 • Published 2020-12-08
... (s) ordered by one or more of a criminal court, a civil court, a family court, and/or another justice entity, and/or a person under supervision and/or ... all the myriad of sensors and tags on or nearby the addict so such data can be analyzed locally. Similarly, the device has a beacon interface/manager

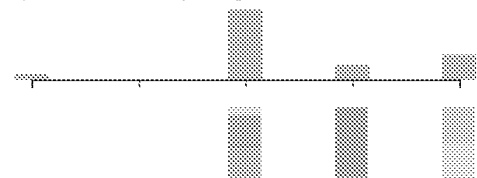
Service layer's conversation shift and shared



WO EP US CN JP KR • [CN107079055A](#) • 蔡尔 N 蔡德 • 蔡维达无线有限责任公司
Priority 2014-09-19 • Filed 2015-09-18 • Published 2017-08-18
... trail of and safety and supervision) in application.As described above, the device of cross-system, gateway, server and The M2M service layers of other nodes operation support function (such as, for example, Data Collection, device management, safety, paying, position are chased after Track/geo- ...

Next > About 23 results

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
एससेट्ट डीएनजेआई टेक्नोलॉजी कम्पनी लिमिटेड		17.3%
एससेट्ट डीएनजेआई टेक्नोलॉजी कम्पनी लिमिटेडS z D j i Technology Co., Ltd		17.3%
yTire, inc.		8.6%
SZ DJI Technology Co., Ltd		4.3%
Conquer Your Addiction Llc		4.3%
Expand		

Main Concept Text

=====

parent child proximity monitoring grid box parameter assignment by a master user

Concept Modifiers (1)

=====

1. More Like Text: geofence defined by a supervisor device

Filters (1)

=====

Earliest Priority Date: To 2019-03-05

Options

=====

De-dup: None

Cut-off: None

Sort: Relevance

Content: Patent Publications (164)

=====

US Patents

US Designs

US Applications

EPO Patents

EPO Applications

China Patents

China Applications

Japan Patents

Japan Applications

Korea Patents

Korea Applications

WIPO Applications

Argentina Patents

Argentina Applications

Brazil Patents

Brazil Applications

Canada Patents

Canada Applications

Chile Patents

Chile Applications

Colombia Applications

Costa Rica Applications

Cuba Patents
Cuba Applications
Dominican Republic Applications
Ecuador Patents
Ecuador Applications
El Salvador Applications
Guatemala Applications
Honduras Applications
Mexico Patents
Mexico Applications
Nicaragua Patents
Panama Applications
Peru Applications
Trinidad & Tobago Patents
Uruguay Applications
Austria Patents
Austria Applications
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Belgium Patents
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Finland Patents
Finland Applications
France Patents
France Applications
Germany Patents
Germany Applications
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Great Britain Applications
Greece Patents
Greece Applications
Hungary Patents
Hungary Applications
Iceland Patents

Iceland Applications
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Ukraine Patents
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Yugoslavia/Serbia and Montenegro Applications
Armenia Patents
Australia Patents
Australia Applications
Cyprus Patents
Gulf Cooperation Council Patents
Hong Kong Patents

India Patents
India Applications
Indonesia Patents
Indonesia Applications
Israel Applications
Jordan Patents
Kyrgyzstan Patents
Macao Applications
Malaysia Patents
Mongolia Patents
New Zealand Patents
Philippines Patents
Philippines Applications
Saudi Arabia Patents
Singapore Patents
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Thailand Applications
Uzbekistan Patents
Vietnam Patents
Algeria Patents
ARIPO Patents
ARIPO Applications
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Kenya Patents
Malawi Patents
Morocco Patents
Morocco Applications
OAPI Patents
South Africa Patents
Tunisia Applications
Zambia Patents
Zimbabwe Patents
EAPO Patents
EAPO Applications
Georgia Patents
Georgia Applications
Kazakhstan Patents
Kazakhstan Applications
Russia Patents
Russia Applications
Turkey Patents
Turkey Applications

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	11	(US-20190252054-\$ or US-20120237908-\$ or US-20170149795-\$ or US-20110227730-\$ or US-20110244837-\$ or US-20130143527-\$ or US-20110106561-\$ or US-20190279481-\$ or US-20190130722-\$).did. or (US-8761803-\$ or US-8781457-\$).did.	US-PGPUB; USPAT	OR	OFF	2022/01/13 21:26
L4	3	L3 and nfc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2022/01/13 21:26
L5	831	child same (environment rain shower thunder water drown\$3) near10 (sens\$3 detection monitor) same (alert\$3 warn\$3 notify\$3 notification alarm\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2022/01/13 23:00
L6	16	L5 and (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2022/01/13 23:00
S1	185	((("BAKER") near3 ("Gary"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2022/01/10 12:29
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S15	11	(analyz\$3 detect\$3 scan\$3 scanning identify\$3 determin\$4) with (blueprint)	US-PGPUB; USPAT;	OR	ON	2022/01/11 16:43

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EAST Search History (Interference)

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1/13/2022 11:04:17 PM

C:\Users\madnan\Documents\EAST\Workspaces\16810703.wsp

Bibliographic Data

Application No: 16/810,703

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☐ No ☐ Met After Allowance

Verified and Acknowledged: /MUHAMMAD ADNAN/

Examiner's Signature

Initials

Title:

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION
OF INDIVIDUALS BASED ON GEOFENCING

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
03/05/2020	340	2688	TUP54874
RULE			

APPLICANTS

INVENTORS

Gary Thomas Baker Jr., Houston, TX, UNITED STATES

CONTINUING DATA

This application has PRO of 62814097 03/05/2019

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

03/24/2020

** MICRO ENTITY **

STATE OR COUNTRY

UNITED STATES

ADDRESS

Sinorica LLC dba Thoughts to Paper

20251 Century Blvd Ste 140

Germantown, MD 20874

UNITED STATES

FILING FEE RECEIVED

\$430

Electronic Patent Application Fee Transmittal				
Application Number:		16810703		
Filing Date:		05-Mar-2020		
Title of Invention:		SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		
First Named Inventor/Applicant Name:		Gary Thomas Baker		
Filer:		Austin Humphries Benesh/Alex Zhou		
Attorney Docket Number:		TUP54874		
Filed as Micro Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension - 1 month with \$0 paid	3251	1	55	55
Miscellaneous:				
Total in USD (\$)				55

Electronic Acknowledgement Receipt	
EFS ID:	45759645
Application Number:	16810703
International Application Number:	
Confirmation Number:	1752
Title of Invention:	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING
First Named Inventor/Applicant Name:	Gary Thomas Baker
Customer Number:	62439
Filer:	Austin Humphries Benesh/Alex Zhou
Filer Authorized By:	Austin Humphries Benesh
Attorney Docket Number:	TUP54874
Receipt Date:	19-MAY-2022
Filing Date:	05-MAR-2020
Time Stamp:	18:58:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$55
RAM confirmation Number	E20225II58470042
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Request for Reconsideration-After Non-Final Rejection	OA1_Amendment.pdf	172889	no	11
			4d6ee84105ff4da668d8be9199fb54b9a9f558170		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	38224	no	2
			009160e0e6ec4cd2c9dcd50c29d11c6ea1734a97		
Warnings:					
Information:					
Total Files Size (in bytes):			211113		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of the first inventor:	*	
Gary Thomas Baker, Jr.	*	
	*	
Serial No.: 16/810,703	*	Group Art Unit: 2688
	*	
Filed: 03/05/2020	*	Examiner: ADNAN, MUHAMMAD
	*	
Title: SYSTEMS AND METHODS FOR	*	Attorney Docket No: TUP54874
FACILITATING SUPERVISION	*	
OF INDIVIDUALS BASED ON	*	
GEOFENCING	*	

United States Patent and Trademark Office
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSES AND AMENDMENTS

This correspondence is responsive to the Office Action dated on 01-19-2022 concerning the subject patent application. Enclosed are,

1. A listing of claims
2. Remarks

Please amend the application as follows:

LISTING OF CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Withdrawn)
2. (Withdrawn)
3. (Withdrawn)
4. (Withdrawn)
5. (Withdrawn)
6. (Withdrawn)
7. (Withdrawn)
8. (Withdrawn)
9. (Withdrawn)
10. (Withdrawn)
11. (Currently amended) A system for facilitating supervision of individuals based on geofencing, the system comprising:

a communication device configured for:

receiving at least one security parameter from at least one supervisor device associated with at least one supervisor;

receiving a geographical location from the at least one supervisor device;

receiving at least one supervisee data associated with a supervisee from at least one supervisee device; and

transmitting a supervision notification to the at least one supervisor device;

a processing device configured for:

- analyzing the geographical location based on the at least one security parameter;
- generating a geofence corresponding to a geographical area based on the analyzing;
- analyzing the at least one supervisee data based on the geofence; and
- generating the supervision notification based on the analyzing of the at least one supervisee data; and

a storage device configured for storing the at least one supervisee data and the supervision notification.

12. (Original) The system of claim 11, wherein the communication device is further configured for receiving at least one location indication associated with the geographical area from the at least one supervisor device, wherein the processing device is further configured for:

- identifying at least one location corresponding to the at least one location indication;
- analyzing the at least one supervisee data based on the at least one location;
- and
- determining a location anomaly based on the analyzing of the at least one supervisee data based on the at least one location, wherein the generating of the supervision notification is based on the determining.

13. (Original) The system of claim 11, wherein the supervision notification comprises at least one supervisee event, wherein the at least one supervisee event is associated with at least one action, wherein the processing device is further configured for:
- determining the at least one action based on the supervision notification; and
 - performing the at least one action based on the determining, wherein the at least one action comprises an establishment of a communication session between the at least one supervisor device and the at least one supervisee device.
14. (Original) The system of claim 11, wherein the processing device is further configured for identifying the supervisee based on the analyzing of the at least one supervisee data, wherein the storage device is configured for retrieving supervisee profile data associated with the supervisee based on the identifying, wherein the generating of the supervision notification is based on the retrieving.
15. (Original) The system of claim 11, wherein the processing device is further configured for:
- identifying at least one object associated with the supervisee based on the analyzing of the at least one supervisee data; and
 - determining a lethality of the at least one object based on the identifying, wherein the generating of the supervision notification is based on the determining.
16. (Original) The system of claim 11, wherein the communication device is further configured for receiving at least one environment data associated the geographical area corresponding to the geofence, wherein the processing device is further configured for:
- analyzing the at least one environment data; and

determining at least one threat based on the analyzing of the at least one environment data, wherein the generating of the supervisor notification is based on the determining.

17. (Original) The system of claim 11, wherein the storage device is further configured for retrieving a blueprint associated with the geographical area corresponding to the geofence, wherein the processing device is further configured for analyzing the blueprint and the at least one supervisee data; and

determining a location of the supervisee on the blueprint based on the analyzing of the blueprint and the at least one supervisee data, wherein the generating of the supervision data is based on the determining.

18. (Original) The system of claim 11, wherein the at least one supervisee device comprises at least one sensor, wherein the at least one sensor is configured for detecting at least one signal made by the supervisee, wherein the at least one sensor is configured for generating the at least one supervisee data based on the detecting.

19. (Currently amended) A system for facilitating supervision of individuals based on geofencing, the system comprising:

a communication device configured for:

receiving at least one security parameter from at least one supervisor device associated with at least one supervisor;

receiving a geographical location from the at least one supervisor device;

receiving at least one supervisee data associated with a supervisee from at least one supervisee device; and

transmitting a supervision notification to the at least one supervisor device;

a processing device configured for:

analyzing the geographical location based on the at least one security parameter;

generating a geofence corresponding to a geographical area based on the analyzing;

analyzing the at least one supervisee data based on the geofence; and

generating the supervision notification based on the analyzing of the at least one supervisee data; and

a storage device configured for storing the at least one supervisee data and the supervision notification.

~~The system of claim 11, wherein:~~
the geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area, wherein each geofence grid box is characterized by a grid box geofence area of the geofence area, wherein the communication device is further configured for receiving at least one grid parameter from the at least one supervisor device, wherein the processing device is further configured for:

analyzing the at least one grid parameter;

determining the grid box geofence area based on the analyzing of the at least one grid parameter; and

generating a number of geofence grid boxes based on the determining.

20. (Original) The system of claim 11, wherein the supervisee is associated with at least one near field communication (NFC) identification, wherein the communication device is further configured for receiving at least one NFC indication corresponding to the at least NFC identification from the at least one supervisee device, wherein the processing device is further configured for identifying the supervisee based on the at least one NFC indication, wherein the generating of the supervision notification is based on the identifying.

REMARKS

Status of Claims

Claims 11-20 are pending in this application.

Claims 1-10 were previously withdrawn.

Claims 11 and 19 are currently amended.

Claim Objections

Claim 11 was objected to for insufficient antecedent basis for “the at least one security parameter.” The claim has been amended so that the first occurrence of “at least one parameter” now refers to “at least one security parameter.” This distinguishes the security parameter from the grid parameter of claim 19.

Claim 18 was objected to for insufficient antecedent basis for “the at least one sensor.” However, “at least one sensor” is introduced earlier in claim 18.

Claim 20 was objected to for needing to spell out the term “NFC” at least once. However, this term is spelled out (“near field communication”) just before the first parenthetical use of “(NFC).”

Applicant submits that the objection to claim 11 has been resolved, and objections to claims 18 and 20 were made in error.

Claim Rejections – 35 U.S.C. 112

Claims 1-12, 17, 19, and 20 are rejected under 35 U.S.C. 112(b) as being indefinite. Claims 1-10 have been withdrawn. Claims 11, 12, 17, 19, and 20 have been treated by the examiner in accordance with 35 U.S.C. 112(f) despite absence of the words “means” or “step.” Applicant agrees that the application of 35 U.S.C. 112(f) is correct, as these claims use a generic placeholder (“device”) coupled with functional language without reciting sufficient structure. The rejection is based on the mention of three devices in the claims: a communication device, a processing device, and a storage device. Applicant submits that the

structures corresponding to these “devices” are set forth in the written description of the specification, notably on pages 12 and 13.

On pages 12 and 13 of the written description, a variety of “client devices” and “server computers” are discussed. The disclosure discusses possible operating systems for the server computer and goes on to discuss three further devices that the server computer may include: a communication device, a processing device, and a storage device. These are not independent devices, but rather standalone functions existing inside of the server computer. In most embodiments these would be simple programs and databases, and implementation would be well-understood by those with average skill in the art. The communication device handles messaging between the server computer and external devices, such as client devices, which includes supervisor and supervisee devices. The processing device receives data from the communication device, and the processing device stores the processed data on the storage device. This relationship is illustrated in FIG. 1 and also described in FIGS. 2-10. Applicant submits that the structures for the three devices at issue, which are meant to be programs running on a server computer and not standalone devices of any unique structure, are adequately enabled by the written disclosure.

Claim 19, which has only been rejected under 35 U.S.C. 112, has been rewritten in independent form to include all of the limitations of claim 11, on which it was originally dependent.

Claim Rejections – 35 U.S.C. 102

Claims 11-14 and 18 are rejected under 35 U.S.C. 102 as being anticipated by Randazzo et al. (Randazzo; US 2013/0143527). Regarding claim 11, the storage device disclosed by Randazzo is simply a feature that may exist within one of the master device, server, or remote mobile devices. Randazzo does not disclose a persistent storage device as disclosed by the present invention, nor the same central processing communication unit described as the “communication device” in the present invention. Randazzo relies on many more decentralized communication elements compared to the present invention. Further, in claim 12, Randazzo simply describes raising an alert if a geographic location is breached, much like that in claim 11. In contrast, the present invention monitors for abnormal or

irregular movements in relation to the targeted location (“anomalies”) instead of simple location breaches. Regarding claim 13, Randazzo only discloses establishment of an indirect communication system between the master device and the remote device, while the present invention describes a direct channel of communication (“communication session”). Regarding claim 14, the present invention describes different supervision notifications based on the retrieved supervisee profile data. Randazzo describes different mappings of the master to remote device, but not any sort of differences in notifications, besides the recipient, associated with profile data. Finally, claim 18 includes external sensors, such as video cameras not connected to the supervisee’s mobile device, that may be connected to the network and used to enforce geofencing/geolocation data. Randazzo merely describes internal sensors to the users’ remote mobile devices, which results in far less effectiveness than the present invention.

Claim Rejections – 35 U.S.C. 103

Claims 15 and 17 are rejected under 35 U.S.C. 103 as being unpatentable over Randazzo, and in further view of Eaton, JR. et al. (Eaton; US 2011/0106561). The comparison of Eaton to claim 15 is not particularly similar. In Eaton, a clinical device is either (1) appropriate for use or (2) not appropriate for use, with no in-between. Claim 15 describes a sliding scale of lethality for a variety different objects associated with the supervisee, not simply a binary question about useability. It would not be necessarily obvious from a binary choice about whether a medical device works to create a lethality scale associated with objects around a supervisee. While claim 17 and Eaton both disclose use of blueprints, the present invention describes the processing device automatically processing the blueprints to create geofences, as is necessary for any large-scale geofencing project. Eaton requires manually input blueprints for hospitals specifically and is a far less scalable solution.

Claim 16 is rejected under 35 USC 103 as being unpatentable over Randazzo, and in further view of Thalhofer (Thalhofer; US 2019/0130722). This is a vast oversimplification of the present invention to compare the environmental data gathered by a plurality of sensors to a few vitals gathered from a device worn by a child in Thalhofer. Notably, the sensors in Thalhofer are present in very close proximity to the child and are configured to send data

back directly for that child. In the present invention, however, sensors are distributed all around and will only gather relevant information for a supervisee device when within the same geofence as the device. The present invention, then, can be seen as a massive sensor and data collection system that only parses specific sensor information based on supervisee device proximity. This is not made obvious by Randazzo in view of Thalsofer.

Claim 20 is rejected under 35 USC 103 as being unpatentable over Randazzo, and in further view of Silberschatz (Silberschatz; US 2019/0279481). Although Randazzo and Silberschatz are “in the same or similar field of communicating wirelessly,” this does not make combination of the elements obvious. Notably, Silberschatz may communicate through NFC (near-field communication) with sensors but is not concerned with location gathering using NFC, the novelty of the present invention. Neither Randazzo nor Silberschatz discloses the ability to determine location from a near-field communication. The mere existence of NFC technology does not make its use obvious in every invention concerned with wireless communications, especially when the underlying invention deals with the geolocation and geofencing, in which NFC technology will not always give an accurate location result.

The Applicant submits that all of the pending claims are in condition for allowance and requests early and favorable action on the merits. The Examiner is invited to telephone the undersigned, the Applicant’s Attorney of Record, to facilitate advancement of the present application.

Respectfully Submitted,

05-19-2022

/ Austin Benesh /

Date

Austin Benesh
Registration No.: 79454

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Germantown, MD 20874
Phone 301-551-5128
austinb@thoughtstopaper.com

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 16/810,703		Filing Date 03/05/2020		☐ To be Mailed			
ENTITY: ☐ LARGE ☐ SMALL ☒ MICRO											
APPLICATION AS FILED - PART I											
		(Column 1)	(Column 2)								
FOR		NUMBER FILED	NUMBER EXTRA	RATE (\$)		FEE (\$)					
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A	N/A							
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A	N/A	N/A							
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A	N/A							
TOTAL CLAIMS (37 CFR 1.16(j))		minus 20 =	*	x \$25 =							
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =	*	x \$115 =							
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).									
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))											
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL							
APPLICATION AS AMENDED - PART II											
		(Column 1)	(Column 2)	(Column 3)							
AMENDMENT	05/19/2022	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)				
	Total (37 CFR 1.16(i))	* 10	Minus	** 20	= 0	x \$25 =		0			
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	x \$120 =		0			
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
						TOTAL ADD'L FEE		0			
AMENDMENT		(Column 1)	(Column 2)	(Column 3)							
		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)				
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =					
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =					
	☐ Application Size Fee (37 CFR 1.16(s))										
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))											
						TOTAL ADD'L FEE					
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						LIE					
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/VINCENT S BUTLER/					
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".											
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.											

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Sinorica LLC dba Thoughts to Paper
20251 Century Blvd Ste 140
Germantown, MD 20874

EXAMINER

ADNAN, MUHAMMAD

ART UNIT

PAPER NUMBER

2688

DATE MAILED: 06/09/2022

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/810,703	03/05/2020	Gary Thomas Baker Jr.	TUP54874	1752

TITLE OF INVENTION: SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	\$300	\$0.00	\$0.00	\$300	09/09/2022

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

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Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/810,703	03/05/2020	Gary Thomas Baker Jr.	TUP54874	1752

TITLE OF INVENTION: SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	\$300	\$0.00	\$0.00	\$300	09/09/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
ADNAN, MUHAMMAD	2688	340-539130

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

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3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

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5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

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Authorized Signature _____

Date _____

Typed or printed name _____

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/810,703	03/05/2020	Gary Thomas Baker Jr.	TUP54874	1752
62439	7590	06/09/2022	EXAMINER	
Sinorica LLC dba Thoughts to Paper			ADNAN, MUHAMMAD	
20251 Century Blvd Ste 140				
Germantown, MD 20874			ART UNIT	PAPER NUMBER
			2688	
DATE MAILED: 06/09/2022				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.** Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 16/810,703	Applicant(s) Baker, Gary Thomas	
	Examiner MUHAMMAD ADNAN	Art Unit 2688	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 05/19/2022.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-8,10-18 and 20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)	5. ☒ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____.	

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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DETAILED CORRESPONDENCE

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Election/Restriction

Claim 19 (now incorporated in claim 11 as amended) is allowable (see e.g. proceeding sections). Amended Claim 1 as well as claims 2-8 and 10, previously withdrawn from consideration as a result of a restriction requirement, require all the limitations of an allowable claim. Pursuant to the procedures set forth in MPEP § 821.04(a), **the restriction requirement between inventions I and II, as set forth in the Office action mailed on 08/04/2021, is hereby withdrawn** and claims 1-8 and 10 hereby rejoined and fully examined for patentability under 37 CFR 1.104. In view of the withdrawal of the restriction requirement, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Mr. Benesh on 06/01/2022.

The application has been amended as follows:

In the claims:

1. (Currently amended) A method for facilitating supervision of individuals based on geofencing, the method comprising:
 - receiving, using a communication device, at least one security parameter from at least one supervisor device associated with at least one supervisor;
 - receiving, using the communication device, a geographical location from the at least one supervisor device;
 - analyzing, using a processing device, the geographical location based on the at least one security parameter;
 - generating, using the processing device, a geofence corresponding to a geographical area based on the analyzing;
 - receiving, using the communication device, at least one supervisee data associated with a supervisee from at least one supervisee device;
 - analyzing, using the processing device, the at least one supervisee data based on the geofence;
 - generating, using the processing device, a supervision notification based on the analyzing of the at least one supervisee data;
 - transmitting, using the communication device, the supervision notification to the at least one supervisor device; and
 - storing, using a storage device, the at least one supervisee data and the supervision notification,

wherein:

the geofence is characterized by a geofence area corresponding to the geographical area,
wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area,
wherein each geofence grid box is characterized by a grid box geofence area of the geofence area,
wherein the method comprises:

receiving, using the communication device, at least one grid parameter from the at least
one supervisor device, wherein the processing device is further configured for:

analyzing, using the processing device, the at least one grid parameter;

determining, using the processing device, the grid box geofence area based on the
analyzing of the at least one grid parameter; and

generating, using the processing device, a number of geofence grid boxes based on the
determining.

9. (Canceled)

11. (Currently amended) A system for facilitating supervision of individuals based on
geofencing, the system comprising:

a communication device configured for:

receiving, using a communication device, at least one security parameter from at least one
supervisor device associated with at least one supervisor;

receiving, using the communication device, a geographical location from the at least one
supervisor device;

receiving at least one supervisor data associated with a supervisee from at least one supervisee
device; and

transmitting a supervision notification to the at least one supervisor device;

a processing device configured for:

analyzing the geographical location based on the at least one security parameter;
generating a geofence corresponding to a geographical area based on the analyzing;
analyzing the at least one supervisee data based on the geofence; and
generating the supervision notification based on the analyzing of the at least one

supervisee data; and

a storage device configured for storing the at least one supervisee data and the supervision notification, wherein:

the geofence is characterized by a geofence area corresponding to the geographical area,
wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area,
wherein each geofence grid box is characterized by a grid box geofence area of the geofence area,
wherein the communication device is further configured for receiving at least one grid parameter from
the at least one supervisor device, wherein the processing device is further configured for:

analyzing the at least one grid parameter; determining the grid box geofence area based
on the analyzing of the at least one grid parameter; and
generating a number of geofence grid boxes based on the determining.

19. (Canceled)

Reasons for Allowance

Claims 1-8, 10-18 and 20 are allowed.

The following is an examiner's statement of reasons for allowance.

Regarding claim 11, Randazzo teaches a system for facilitating supervision of individuals based on geofencing (see e.g. FIGS. 1-5), the system comprising: a communication device (one or more communication devices; see e.g. FIGS. 1-3d) configured for: receiving at least one parameter from at least one supervisor device associated with at least one supervisor (receiving one or more parameters, i.e. management information including notification activation information, from a master device associated with a master user; see e.g. FIGS. 3b-3d and para. [0046-47]); receiving a geographical location from the at least one supervisor device (the received management information comprises a geographical restriction; see e.g. para. [0011] and [0015]); receiving at least one supervisee data associated with a supervisee from at least one supervisee device (one or more data associated with remote mobile device[s] or controlled device[s] 140 is received from the remote mobile device[s] or the controlled device[s] 140; see e.g. FIGS. 3b and 3c); and transmitting a supervision notification to the at least one supervisor device (a notification is transmitted to master user or master user device 110; see e.g. FIG. 3c and 3d); a processing device (the remote device 140 as well as the servers 130 comprises one or more processing devices) configured for: analyzing the geographical location based on at least one security parameter (the received management information, which comprises location information as discussed earlier, is at least partly analyzed/processed at the server 130 as well as the remote device[s] 130 upon receiving the management information; see e.g. para. [0081-82]); generating a geofence corresponding to a geographical area based on the analyzing (the management information includes a geographic boundary, see e.g. para. [0014], which means the remote mobile device/the controlled device or the remote servers can generate a geofence corresponding to a geographical area based on the analyzing of the received management information); analyzing the at least one supervisee data based on the geofence (one or more data associated with the remote device[s] is analyzed based on the defined boundary or geofence; see e.g. para. [0014] and [0061]); and generating the supervision

notification based on the analyzing of the at least one supervisee data (a notification, a restriction or both can be outputted based on the analyzing of one or more data associated with the remote device[s]; see e.g. FIGS. 3a-3d, para. [0014-15], [0049-50] and [0061]); and a storage device configured for storing the at least one supervisee data and the supervision notification (the master device, the server and the remote mobile device at least comprise a storage device wherein the one or more of these storage device[s] can, at least temporarily, store the notification [since the notification is generated by the remote device[s] and sent to servers and eventually the master user device] or data associated with the remote device[s] i.e. location information [see e.g. para. 0014,], time information [see e.g. para. 0015], movement information [see e.g. para. 0055], and so forth).

However, the prior art references do not teach the claimed “geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area, wherein each geofence grid box is characterized by a grid box geofence area of the geofence area, wherein the communication device is further configured for receiving at least one grid parameter from the at least one supervisor device, wherein the processing device is further configured for: analyzing the at least one grid parameter; determining the grid box geofence area based on the analyzing of the at least one grid parameter; and generating a number of geofence grid boxes based on the determining”.

Claims 1-8, 10, 12-18 and 20 are allowed as well for at least comprising claim subject matter which is the same or similar in scope of the allowable claim subject matter of claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUHAMMAD ADNAN whose telephone number is (571)270-3705. The examiner can normally be reached Monday-Thursday 10AM-6PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Lim can be reached on 571-270-1210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MUHAMMAD ADNAN/
Primary Examiner, Art Unit 2688

<i>Examiner-Initiated Interview Summary</i>	Application No. 16/810,703	Applicant(s) Baker, Gary Thomas		
	Examiner MUHAMMAD ADNAN	Art Unit 2688	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
MUHAMMAD ADNAN	Primary Examiner	Telephonic
Austin Benesh	Attorney of Record	

Date of Interview: 01 June 2022

Issues Discussed:

Proposed Amendment(s)

Applicant's representative was contacted to indicate that the claims would be allowable if claims are amended that subject matter of claim 19 is included in the independent claim(s). The representative authorized the examiner to make the changes by Examiner's amendment.

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
<p>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</p> <p>Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing</p>	

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Notice of References Cited	Application/Control No. 16/810,703		Applicant(s)/Patent Under Reexamination Baker, Gary Thomas	
	Examiner MUHAMMAD ADNAN		Art Unit 2688	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20190252054-A1	08-2019	DIRANI; Mohamed	G16H40/63	1/1
*	B	US-8761803-B2	06-2014	Frank; Scott	H04L63/10	455/414.3
*	C	US-20120237908-A1	09-2012	Fitzgerald; William	H04W4/029	434/236
*	D	US-20170149795-A1	05-2017	Day, II; Rowland William	H04L67/535	1/1
*	E	US-20110227730-A1	09-2011	Stevenson; Brent	H04M11/04	340/540
*	F	US-8781457-B2	07-2014	Randazzo; Phillip	H04L67/535	455/418
*	G	US-20110244837-A1	10-2011	MURATA; Masanobu	H04W4/50	455/414.1
*	H	US-20130143527-A1	06-2013	Randazzo; Phillip	H04M1/72457	455/411
*	I	US-20110106561-A1	05-2011	Eaton, JR.; James D.	G16H80/00	705/2
*	J	US-20190279481-A1	09-2019	Silberschatz; Paul Joseph	G08B21/0208	1/1
*	K	US-20190130722-A1	05-2019	Thalhofer; Alicia	A44C5/2071	1/1
*	L	US-7881733-B2	02-2011	Staton; Houston	G08C17/00	455/420
*	M	US-6265974-B1	07-2001	D'Angelo; Michael R.	G08B21/0247	340/568.1

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office
PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 20220601

Notice of References Cited	Application/Control No. 16/810,703		Applicant(s)/Patent Under Reexamination Baker, Gary Thomas	
	Examiner MUHAMMAD ADNAN		Art Unit 2688	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20160005287-A1	01-2016	YAMAOKA; Takio	G08B21/0247	340/539.13
*	B	US-20190285416-A1	09-2019	Silva; Dulcelina	G08B25/016	1/1
*	C	US-20180068544-A1	03-2018	CAPERELL; Kerry	H04W4/027	1/1
*	D	US-20170084151-A1	03-2017	Beaty; Robert M.	G08B21/0227	1/1
*	E	US-20070252690-A1	11-2007	Pate; Matthew D.	G08B25/016	340/539.13
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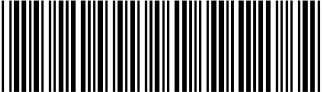
FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Issue Classification 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

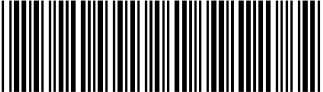
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G08B	/	21	/	0208	I	2013-01-01
G08B	/	21	/	0255	I	2013-01-01
H04W	/	12	/	009	I	2019-01-01

CPC Combination Sets					
Symbol				Type	Set
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NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	18	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	02 June 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	23

U.S. Patent and Trademark Office

Part of Paper No.: 20220601

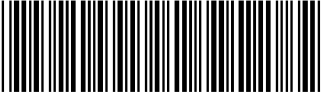
Issue Classification 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

INTERNATIONAL CLASSIFICATION			
CLAIMED			
G08B21/02	/	21	/ 02
NON-CLAIMED			
H04W12/00	/	12	/ 00

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
340	539.13

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	18	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	02 June 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	23

Issue Classification 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	9	10		19										
2	2	10	11	18	20										
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NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 18	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688 (Primary Examiner) _____ (Date) 02 June 2022		O.G. Print Claim(s) 1	O.G. Print Figure 23

U.S. Patent and Trademark Office

Part of Paper No.: 20220601

<i>Search Notes</i> 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

CPC - Searched*		
Symbol	Date	Examiner
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with Text Search	01/13/2022	MA

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor Search	01/13/2022	MA
EAST Search	01/13/2022	MA
Google Patents and IP.com Search	01/13/2022	MA
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with Text Search	01/13/2022	MA
Updated Search	06/02/2022	MA

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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<i>Search Notes</i> 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
G08B	21/0261; 21/0208; 21/0255	06/02/2022	MA
H04W	12/009	06/02/2022	MA

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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About 44 results

Download Side-by-side

Sort by · Relevance · Group by · None · Deduplicate by · Family · Results / page · 10

Method for displaying geofencing information and display device

WO EP CN JP · [JP6444759B2](#) · ゴン、 ミン、 エスセット ディージェイアイ テクノロジー カンパニー リミテッド S & D J i Technology Co., Ltd
Priority 2015-03-31 · Filed 2015-03-31 · Granted 2019-01-09 · Published 2019-01-09
... part of the user's body. The user may provide a physical sample (eg saliva, blood, cut nails, or cut hair) that can be analyzed to identify the user. ... A method of displaying geofencing information for an unmanned aerial vehicle (UAV). Receiving geofencing device data including a plurality of ...

Systems and user interfaces for emergency data integration

WO EP US · [US1080578B2](#) · William Pellegrini · Rapidsos, Inc.
Priority 2018-06-11 · Filed 2019-06-10 · Granted 2020-10-13 · Published 2020-10-13
... their supervision in some embodiments, an ESP member can have multiple admin-defined roles. In some embodiments, the authentication of the data ... In some embodiments, call routing data may be analyzed to see which ESP is answering the emergency call. Raw geofences may be pre-processed to ...

Geo-fencing device

WO EP US CN JP · [JP6459914B2](#) · ゴン、 ミン、 エスセット ディージェイアイ テクノロジー カンパニー リミテッド S & D j i Technology Co., Ltd
Priority 2015-03-31 · Filed 2015-03-31 · Granted 2019-01-30 · Published 2019-01-30
... part of the user's body. The user may provide a physical sample (eg saliva, blood, cut nails, or cut hair) that can be analyzed to identify the user. ... According to further aspects of the invention, a method for controlling a geofencing device may be provided. The method provides: (1) receiving data ...

UAV operating method, program, and UAV flight system

WO EP CN JP UK · [JP6288578B2](#) · ゴン、 ミン、 エスセット ディージェイアイ テクノロジー カンパニー リミテッド S & D j i Technology Co., Ltd
Priority 2015-03-31 · Filed 2015-03-31 · Granted 2018-10-03 · Published 2018-10-03
... part of the user's body. The user may provide a physical sample (eg saliva, blood, cut nails, or cut hair) that can be analyzed to identify the user. ... According to further aspects of the invention, a method for controlling a geofencing device may be provided. The method provides: (1) receiving data ...

Geo-fencing device and method of providing a set of flight restrictions

WO EP CN JP · [JP6524545B2](#) · ゴン、 ミン、 エスセット ディージェイアイ テクノロジー カンパニー リミテッド S & D j i Technology Co., Ltd
Priority 2015-03-31 · Filed 2015-03-31 · Granted 2019-06-05 · Published 2019-06-05
The flight supervision module may utilize data collected by one or more sensors onboard the UAV. The flight supervision module may utilize data ... The geofencing device according to any one of claims 2 to 5, wherein the geofencing device receives a UAV identifier identifying the UAV from other ...

Smart cities and homes: Key enabling technologies

Google Scholar · [scholar.google.com](#) · Obaidat M
Published 2016

Method and system for facilitating provisioning of social activity data to a ...

US · [US20180216946A1](#) · Mamadou Mande Gueye · Mamadou Mande Gueye
Priority 2016-09-30 · Filed 2018-03-28 · Published 2018-08-02
SALT Lending Holdings, Inc. and its affiliate, SALT Platform, LLC, may be subject to examination, supervision and other regulatory enforcement ... Collective consumer appreciation gauge GeoFencing internal mapping Trick Question it's a Digital Feed Back Loop & Ecosystem of smart data that ...

Method and system for facilitating provisioning of social networking data to a ...

US · [US20180216946A1](#) · Mamadou Mande Gueye · Mamadou Mande Gueye
Priority 2016-09-30 · Filed 2018-03-28 · Published 2018-08-02
The subsequent functions can include SkyView data application, but supervision and control by means of the Chapo Underground Vision (Chapo UV), ... Collective consumer appreciation gauge GeoFencing internal mapping Trick Question it's a Digital Feed Back Loop & Ecosystem of smart data that ...

Method and system to monitor a person using wireless media

US CN JP HK • CN101112077B • 伊藤·斯塔通·韦尔里斯沃克斯国际有限公司

Priority 2004-11-05 • Filed 2005-10-20 • Granted 2012-06-20 • Published 2012-06-20

Launch the radio communication of being kept watch between portable set and the **supervision** portable set through communication network, surveillance ... geographic range designated software uses **gps data**, the last area that loads of PDA and pre-configured event **data** to **analyze** entering or leave ...

The contexts of control: Information, power, and truck-driving work

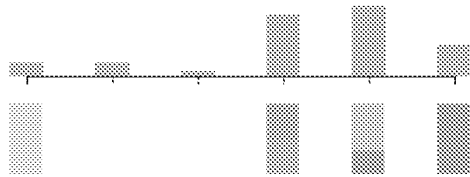
Google Scholar • www.karen-levy.net • Levy K • The Information Society

Published 2015

... After a word about the **data** and methods used in the ... , to work hard without having a **boss** peering over one's shoulder, ... time, speed, geolocation and **geofencing** (notifying a dispatcher if ...

Next > >> About 44 results

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
エスセット ディージェイアイ テクノロジー カンパニー リミテッド S z D j i Technology Co . , Ltd		13.6%
エフセット ディージェイアイ テクノロジー カンパニー リミテッド		13.6%
想像H公司		4.5%
Mamadou Mande Gueye		4.5%
Avaya Inc		4.5%
Expand		

About Send Feedback Public Datasets Terms Privacy Policy

Main Concept Text

=====

parent child loss prevention device

Concept Modifiers (3)

=====

3. More Like Text: assigning boundary based on grid size

2. More Like Text: specific boundary size

1. More Like Text: setting boundary by parent unit

Filters (1)

=====

Publication Date: To 2019-03-05

Options

=====

De-dup: None

Cut-off: None

Sort: Relevance

Content: Patent Publications (167)

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US Patents

US Designs

US Applications

EPO Patents

EPO Applications

China Patents

China Applications

Japan Patents

Japan Applications

Korea Patents

Korea Applications

WIPO Applications

Argentina Patents

Argentina Applications

Brazil Patents

Brazil Applications

Canada Patents

Canada Applications

Chile Patents
Chile Applications
Colombia Applications
Costa Rica Applications
Cuba Patents
Cuba Applications
Dominican Republic Applications
Ecuador Patents
Ecuador Applications
El Salvador Applications
Guatemala Applications
Honduras Applications
Mexico Patents
Mexico Applications
Nicaragua Patents
Panama Applications
Peru Applications
Trinidad & Tobago Patents
Uruguay Applications
Austria Patents
Austria Applications
Belarus Patents
Belgium Patents
Belgium Applications
Bosnia & Herzegovina Patents
Bosnia & Herzegovina Applications
Bulgaria Patents
Bulgaria Applications
Croatia Patents
Croatia Applications
Czech Republic Patents
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Czechoslovakia Patents
Czechoslovakia Applications
Denmark Patents
Denmark Applications
Estonia Patents
Estonia Applications
EUIPO Patents
Finland Patents
Finland Applications
France Patents
France Applications
Germany Patents
Germany Applications
Great Britain Patents
Great Britain Applications
Greece Patents

Greece Applications
Hungary Patents
Hungary Applications
Iceland Patents
Iceland Applications
Ireland Patents
Ireland Applications
Italy Patents
Italy Applications
Latvia Patents
Latvia Applications
Lithuania Patents
Lithuania Applications
Luxembourg Patents
Malta Patents
Monaco Patents
Montenegro Patents
Montenegro Applications
Netherlands Patents
Netherlands Applications
Norway Patents
Norway Applications
Poland Patents
Poland Applications
Portugal Patents
Portugal Applications
Republic of Moldova Patents
Republic of Moldova Applications
Romania Patents
Romania Applications
San Marino Patents
San Marino Applications
Serbia Patents
Serbia Applications
Slovakia Patents
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Slovenia Patents
Spain Patents
Spain Applications
Sweden Patents
Sweden Applications
Switzerland Patents
Switzerland Applications
Ukraine Patents
Yugoslavia/Serbia and Montenegro Patents
Yugoslavia/Serbia and Montenegro Applications
Armenia Patents
Australia Patents

Australia Applications
Cyprus Patents
Gulf Cooperation Council Patents
Hong Kong Patents
India Patents
India Applications
Indonesia Patents
Indonesia Applications
Israel Applications
Jordan Patents
Jordan Applications
Kyrgyzstan Patents
Macao Applications
Malaysia Patents
Mongolia Patents
New Zealand Patents
Philippines Patents
Philippines Applications
Saudi Arabia Patents
Saudi Arabia Applications
Singapore Patents
Singapore Applications
Taiwan Patents
Taiwan Applications
Tajikistan Patents
Tajikistan Applications
Thailand Patents
Thailand Applications
Uzbekistan Patents
Vietnam Patents
Algeria Patents
ARIPO Patents
ARIPO Applications
Egypt Patents
Kenya Patents
Malawi Patents
Morocco Patents
Morocco Applications
OAPI Patents
South Africa Patents
Tunisia Applications
Zambia Patents
Zimbabwe Patents
EAPO Patents
EAPO Applications
Georgia Patents
Georgia Applications
Kazakhstan Patents

IQSearchText-202206021930

Kazakhstan Applications
Russia Patents
Russia Applications
Turkey Patents
Turkey Applications

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	185	((("BAKER") near3 ("Gary"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2022/01/10 12:29 PM
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L3	182	("20200074839" "20120237908" "20140256305" "20130346333" "20190252054" "10497245" "20190281153" "10547732" "20200236209" "10270899" "20190057340" "20140272894" "9721445" "7502797" "20150356848" "10192427" "20200294388" "10122723" "20050282559" "11145184" "20190166480" "10650665" "20090197569" "8928483" "20190188995" "20120161971" "8081817" "20170178526" "10531266" "7596260" "20060248027" "8345963" "20120056742" "20060245622" "20210329120" "10887442" "7729532" "7292723" "10587744" "20200204761" "20060239545" "20060239546" "20070070213" "10354465" "20040190767" "20140278895" "20180365920" "20040186813" "20130144976" "8824784" "10110724"	(US-PGPUB; USPAT)	OR	OFF	OFF	2022/01/10 12:55 PM

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L4	12	"20170301041" "10454943" "8611928" "9691018" "9961502").pn. L3 and G08B21/02\$.cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2022/01/10 12:55 PM
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L6	9	L3 and H04W12/\$.cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2022/01/10 01:04 PM
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L12	1	"6922571" "7221928" "7302272" "7460064" "7856203" "7869792" "7873369" "7876205" "8116726" "8438285").PN. OR ("8781457").URPN. (13/667546).APP.	(US-PGPUB; USOCR)	OR	OFF	OFF	2022/01/10 03:01 PM
L13	1	(detect\$3 scan\$3 scanning identify\$3 determin\$4) with (object) with (associat\$3 relat\$3) with (person user) same (rank\$3 sort\$3) same (lethal\$3 danger\$4 hazard\$4)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2022/01/11 04:26 PM
L14	2	(detect\$3 scan\$3 scanning identify\$3 determin\$4) with (object) with (associat\$3 relat\$3) with (person user) same (rank\$3 sort\$3) same (lethal\$3 danger\$4 hazard\$4)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/01/11 04:27 PM
L15	11	(analyz\$3 detect\$3 scan\$3 scanning identify\$3 determin\$4) with (blueprint) with (position location) with (notification notufy\$3 alert\$3)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/01/11 04:43 PM
L16	1	"15754971"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2022/01/12 02:53 PM
L17	0	(15/754971).APP.	(USPAT; USOCR)	OR	OFF	OFF	2022/01/12 02:53 PM
L18	831	child same (environment rain shower thunder water drown\$3) near10 (sens\$3 detection monitor) same (alert\$3 warn\$3 notify\$3 notification alarm\$3)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/01/12 03:31 PM
L19	83	L18 and G08B21/02\$.cpc.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/01/12 03:32 PM
L20	1	"15754971"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/01/12 03:57 PM
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L22	3	US-20170149795-\$ or US-20110227730-\$ or US-20110244837-\$ or US-20130143527-\$ or US-20110106561-\$ or US-20190279481-\$ or US-20190130722-\$.did. or (US-8761803-\$ or US-8781457-\$).did. L21 and nfc	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2022/01/12 05:00 PM
L23	11	(US-20190252054-\$ or US-20120237908-\$ or US-20170149795-\$ or US-20110227730-\$ or US-20110244837-\$ or US-20130143527-\$ or US-20110106561-\$ or US-20190279481-\$ or US-20190130722-\$.did. or (US-8761803-\$ or US-8781457-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2022/01/13 09:26 PM
L24	3	L23 and nfc	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2022/01/13 09:26 PM
L25	831	child same (environment rain shower thunder water drown\$3) near10 (sens\$3 detection monitor) same (alert\$3 warn\$3 notify\$3 notification alarm\$3)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/01/13 11:00 PM
L26	16	L25 and (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/01/13 11:00 PM
L27	191	((("BAKER") near3 ("Gary"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2022/06/02 12:47 PM
L28	1	L27 AND geofenc\$3.clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 12:47 PM
L29	95	(child SAME (environment rain shower thunder water drown\$3) near10 (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3)).clm.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/06/02 02:28 PM
L30	55	((child kid) SAME (lost lose kidnapp\$3 stolen steal\$3) near20	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/06/02 02:30 PM

L31	100	(determin\$5 sens\$3 detect\$5 monitor\$5) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3)).clm. ((child kid) SAME (lost lose kidnapp\$3 stolen steal\$3) SAME (determin\$5 sens\$3 detect\$5 monitor\$5) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3)).clm.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/06/02 02:30 PM
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PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	0	(grid\$2box SAME geofenc\$3 SAME area).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 12:49 PM
N2	0	(grid\$2box near10 (attribut\$2 parameter) SAME (allowable authorized) near10 (geofenc\$3 area zone section region)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 12:50 PM
N3	0	((grid grid\$2box) near10 (attribut\$2 parameter) SAME (allowable authorized) near10 (geofenc\$3 area zone section region)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 12:51 PM
N4	3	((grid grid\$2box) near10 (attribut\$2 parameter) SAME (allowable authoriz\$4 lawful legal approved permissible permit\$7 validat\$2) near10 (geofenc\$3 area zone section region sector rectangle square field sub\$1area block sub\$1block)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 12:54 PM
N5	12	((grid grid\$2box mesh grating) near20 (attribut\$2 parameter) SAME (allowable authoriz\$4 lawful legal approved permissible permit\$7 validat\$2) near20 (geofenc\$3 area zone section region sector rectangle square field sub\$1area block sub\$1block)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:03 PM

N6	9	N5 NOT N4	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:04 PM
N7	0	((grid grid\$2box mesh grating) near20 (attribut\$2 parameter) SAME (allowable authoriz\$4 lawful legal approved permissible permit\$7 validat\$2) near20 (geofenc\$3 area zone section region sector rectangle square field sub\$1area block sub\$1block)) SAME (child) near10 (parent) near10 (alarm\$4 alert\$4 notify\$4 notification warn\$4 report\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:07 PM
N8	1	((grid grid\$2box mesh grating) near20 (attribut\$2 parameter) SAME (allowable authoriz\$4 lawful legal approved permissible permit\$7 validat\$2) near20 (geofenc\$3 area zone section region sector rectangle square field sub\$1area block sub\$1block)) AND (child) near10 (parent) near10 (alarm\$4 alert\$4 notify\$4 notification warn\$4 report\$4)	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:08 PM
N9	0	((allowable authoriz\$4 lawful legal approved permissible permit\$7 validat\$2) near20 (geofenc\$3 area zone section region sector rectangle square field sub\$1area block sub\$1block)) SAME (child) near10 (parent) near10 (alarm\$4 alert\$4 notify\$4 notification warn\$4 report\$4)).CLM.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:26 PM
N10	0	((allowable authoriz\$4 lawful legal approved permissible permit\$7 validat\$2) near20 (area zone region section geofenc\$3 area zone section region sector rectangle square field sub\$1area block sub\$1block)) SAME	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:27 PM

N11	1	(child) near10 (parent) near10 (alarm\$4 alert\$4 notify\$4 notification warn\$4 report\$4)).CLM. (((allowable authoriz\$4 lawful legal approved permissible permit\$7 validat\$2) near20 (area zone region section geofenc\$3 area zone section region sector rectangle square field sub\$1area block sub\$1block)) AND (child) near10 (parent) near10 (alarm\$4 alert\$4 notify\$4 notification warn\$4 report\$4)).CLM.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:27 PM
N12	22	((child kid) SAME (lost lose kidnapp\$3 stolen steal\$3) SAME (determin\$5 sens\$3 detect\$5 monitor\$5) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:30 PM
N13	2	N12 AND (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:31 PM
N14	8	N12 AND (G08B21/02\$ H04W12/00\$).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:32 PM

Bibliographic Data

Application No: 16/810,703

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☐ No ☐ Met After Allowance

Verified and Acknowledged: /MUHAMMAD ADNAN/

Examiner's Signature

Initials

Title:

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION
OF INDIVIDUALS BASED ON GEOFENCING

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
03/05/2020	340	2688	TUP54874
RULE			

APPLICANTS

INVENTORS

Gary Thomas Baker Jr., Houston, TX, UNITED STATES

CONTINUING DATA

This application has PRO of 62814097 03/05/2019

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

03/24/2020

** MICRO ENTITY **

STATE OR COUNTRY

UNITED STATES

ADDRESS

Sinorica LLC dba Thoughts to Paper

20251 Century Blvd Ste 140

Germantown, MD 20874

UNITED STATES

FILING FEE RECEIVED

\$430



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/810,703	03/05/2020	Gary Thomas Baker Jr.	TUP54874	1752
62439	7590	07/15/2022		
Sinorica LLC dba Thoughts to Paper 20251 Century Blvd Ste 140 Germantown, MD 20874			EXAMINER ADNAN, MUHAMMAD	
			ART UNIT 2688	PAPER NUMBER
			NOTIFICATION DATE 07/15/2022	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

SINORICA@GMAIL.COM
pair@sinorica.com
sinorica@outlook.com

Corrected Notice of Allowability	Application No. 16/810,703	Applicant(s) Baker, Gary Thomas	
	Examiner MUHAMMAD ADNAN	Art Unit 2688	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to interview conducted on 07/12/2022.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-8,10-18 and 20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____ 4. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____	5. ☒ Examiner's Amendment/Comment 6. ☒ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____
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/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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DETAILED CORRESPONDENCE

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Election/Restriction

Claim 19 (now incorporated in claim 11 as amended) is allowable (see e.g. proceeding sections). Amended Claim 1 as well as claims 2-8 and 10, previously withdrawn from consideration as a result of a restriction requirement, require all the limitations of an allowable claim. Pursuant to the procedures set forth in MPEP § 821.04(a), **the restriction requirement between inventions I and II, as set forth in the Office action mailed on 08/04/2021, is hereby withdrawn** and claims 1-8 and 10 hereby rejoined and fully examined for patentability under 37 CFR 1.104. In view of the withdrawal of the restriction requirement, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Mr. Benesh on 06/01/2022.

The application has been amended as follows:

In the claims:

1. (Currently amended) A method for facilitating supervision of individuals based on geofencing, the method comprising:
 - receiving, using a communication device, at least one security parameter from at least one supervisor device associated with at least one supervisor;
 - receiving, using the communication device, a geographical location from the at least one supervisor device;
 - analyzing, using a processing device, the geographical location based on the at least one security parameter;
 - generating, using the processing device, a geofence corresponding to a geographical area based on the analyzing;
 - receiving, using the communication device, at least one supervisee data associated with a supervisee from at least one supervisee device;
 - analyzing, using the processing device, the at least one supervisee data based on the geofence;
 - generating, using the processing device, a supervision notification based on the analyzing of the at least one supervisee data;
 - transmitting, using the communication device, the supervision notification to the at least one supervisor device; and
 - storing, using a storage device, the at least one supervisee data and the supervision notification,

wherein:

the geofence is characterized by a geofence area corresponding to the geographical area,
wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area,
wherein each geofence grid box is characterized by a grid box geofence area of the geofence area,
wherein the method comprises:

receiving, using the communication device, at least one grid parameter from the at least
one supervisor device, wherein the processing device is further configured for:

analyzing, using the processing device, the at least one grid parameter;

determining, using the processing device, the grid box geofence area based on the
analyzing of the at least one grid parameter; and

generating, using the processing device, a number of geofence grid boxes based on the
determining.

9. (Canceled)

11. (Currently amended) A system for facilitating supervision of individuals based on
geofencing, the system comprising:

a communication device configured for:

receiving, using a communication device, at least one security parameter from at least one
supervisor device associated with at least one supervisor;

receiving, using the communication device, a geographical location from the at least one
supervisor device;

receiving at least one supervisor data associated with a supervisee from at least one supervisee
device; and

transmitting a supervision notification to the at least one supervisor device;

a processing device configured for:

analyzing the geographical location based on the at least one security parameter;
generating a geofence corresponding to a geographical area based on the analyzing;
analyzing the at least one supervisee data based on the geofence; and
generating the supervision notification based on the analyzing of the at least one

supervisee data; and

a storage device configured for storing the at least one supervisee data and the supervision notification, wherein:

the geofence is characterized by a geofence area corresponding to the geographical area,
wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area,
wherein each geofence grid box is characterized by a grid box geofence area of the geofence area,
wherein the communication device is further configured for receiving at least one grid parameter from
the at least one supervisor device, wherein the processing device is further configured for:

analyzing the at least one grid parameter; determining the grid box geofence area based
on the analyzing of the at least one grid parameter; and
generating a number of geofence grid boxes based on the determining.

19. (Canceled)

20. (Currently amended) The system of claim 11, wherein the supervisee is associated with at least one ~~near field identification (NFC)~~ identification, wherein the communication device is further configured for receiving at least one NFC indication corresponding to the at least ~~NFC~~ one identification from the at least one supervisee device, wherein the receiving is performed over short range wireless communication comprising at least one of Bluetooth, Zigbee, Ultra-wideband, Wi-Fi

and NFC, wherein the processing device is further configured for identifying the supervisee based on the at least one NFC indication, wherein the generating of the supervision notification is based on the identifying.

Reasons for Allowance

Claims 1-8, 10-18 and 20 are allowed.

The following is an examiner's statement of reasons for allowance.

Regarding claim 11, Randazzo teaches a system for facilitating supervision of individuals based on geofencing (see e.g. FIGS. 1-5), the system comprising: a communication device (one or more communication devices; see e.g. FIGS. 1-3d) configured for: receiving at least one parameter from at least one supervisor device associated with at least one supervisor (receiving one or more parameters, i.e. management information including notification activation information, from a master device associated with a master user; see e.g. FIGS. 3b-3d and para. [0046-47]); receiving a geographical location from the at least one supervisor device (the received management information comprises a geographical restriction; see e.g. para. [0011] and [0015]); receiving at least one supervisee data associated with a supervisee from at least one supervisee device (one or more data associated with remote mobile device[s] or controlled device[s] 140 is received from the remote mobile device[s] or the controlled device[s] 140; see e.g. FIGS. 3b and 3c); and transmitting a supervision notification to the at least one supervisor device (a notification is transmitted to master user or master user device 110; see e.g. FIG. 3c and 3d); a processing device (the remote device 140 as well as the servers 130 comprises one or more processing devices) configured for: analyzing the geographical location based on at least one security parameter (the received management information, which comprises location information as discussed earlier, is at least partly analyzed/processed at the server 130 as well as the remote device[s] 130 upon receiving the management information; see e.g. para. [0081-82]); generating a

geofence corresponding to a geographical area based on the analyzing (the management information includes a geographic boundary, see e.g. para. [0014], which means the remote mobile device/the controlled device or the remote servers can generate a geofence corresponding to a geographical area based on the analyzing of the received management information); analyzing the at least one supervisee data based on the geofence (one or more data associated with the remote device[s] is analyzed based on the defined boundary or geofence; see e.g. para. [0014] and [0061]); and generating the supervision notification based on the analyzing of the at least one supervisee data (a notification, a restriction or both can be outputted based on the analyzing of one or more data associated with the remote device[s]; see e.g. FIGS. 3a-3d, para. [0014-15], [0049-50] and [0061]); and a storage device configured for storing the at least one supervisee data and the supervision notification (the master device, the server and the remote mobile device at least comprise a storage device wherein the one or more of these storage device[s] can, at least temporarily, store the notification [since the notification is generated by the remote device[s] and sent to servers and eventually the master user device] or data associated with the remote device[s] i.e. location information [see e.g. para. 0014,], time information [see e.g. para. 0015], movement information [see e.g. para. 0055], and so forth).

However, the prior art references do not teach the claimed “geofence is characterized by a geofence area corresponding to the geographical area, wherein the geofence comprises a plurality of geofence grid boxes associated with the geofence area, wherein each geofence grid box is characterized by a grid box geofence area of the geofence area, wherein the communication device is further configured for receiving at least one grid parameter from the at least one supervisor device, wherein the processing device is further configured for: analyzing the at least one grid parameter; determining the grid box geofence area based on the analyzing of the at least one grid parameter; and generating a number of geofence grid boxes based on the determining”.

Claims 1-8, 10, 12-18 and 20 are allowed as well for at least comprising claim subject matter which is the same or similar in scope of the allowable claim subject matter of claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUHAMMAD ADNAN whose telephone number is (571)270-3705. The examiner can normally be reached Monday-Thursday 10AM-6PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Lim can be reached on 571-270-1210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MUHAMMAD ADNAN/
Primary Examiner, Art Unit 2688

<i>Applicant-Initiated Interview Summary</i>	Application No. 16/810,703	Applicant(s) Baker, Gary Thomas		
	Examiner MUHAMMAD ADNAN	Art Unit 2688	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
MUHAMMAD ADNAN	Primary Examiner	Telephonic
Austin Benesh	Attorney of Record	

Date of Interview: 12 July 2022

Issues Discussed:

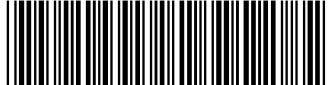
Other

Applicant's representative contacted the examiner to indicate that claim 20 was erroneously filed as being original claim in the response was filed on 05/19/2022. However, claim 20 was previously amended in a preliminary amendment filed on 10/15/2020. The representative requested to amend the claim and issue a new Notice of Allowance, to which the examiner agreed.

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
<p>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</p> <p>Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing</p>	

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

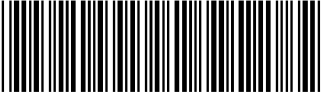
Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Issue Classification 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

CPC						
Symbol					Type	Version
G08B	/	21	/	0261	F	2013-01-01
G08B	/	21	/	0208	I	2013-01-01
G08B	/	21	/	0255	I	2013-01-01
H04W	/	12	/	009	I	2019-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/		/		

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	18	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	12 July 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	23

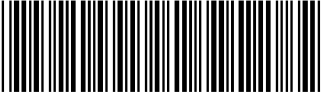
Issue Classification 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

INTERNATIONAL CLASSIFICATION			
CLAIMED			
G08B21/02	/	21	/ 02
NON-CLAIMED			
H04W12/00	/	12	/ 00

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
340	539.13

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	18	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	12 July 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	23

Issue Classification 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	9	10		19										
2	2	10	11	18	20										
3	3	11	12												
4	4	12	13												
5	5	13	14												
6	6	14	15												
7	7	15	16												
8	8	16	17												
	9	17	18												

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 18	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688 (Primary Examiner) _____ (Date) 12 July 2022		O.G. Print Claim(s) 1	O.G. Print Figure 23

<i>Search Notes</i> 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

CPC - Searched*		
Symbol	Date	Examiner
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with Text Search	01/13/2022	MA

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor Search	01/13/2022	MA
EAST Search	01/13/2022	MA
Google Patents and IP.com Search	01/13/2022	MA
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with Text Search	01/13/2022	MA
Updated Search	06/02/2022	MA

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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<i>Search Notes</i> 	Application/Control No. 16/810,703	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
G08B	21/0261; 21/0208; 21/0255	06/02/2022	MA
H04W	12/009	06/02/2022	MA

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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PART B – FEE(S) TRANSMITTAL

Complete and send this form, together with the applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

By fax, send to: (571) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Sinorica, LLC
20251 Century Boulevard, STE 140
Germantown, MD 20874

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO	FLING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO
16/810,703	03/05/2020	Gary Thomas Baker Jr.	TUP54874	1752

TITLE OF INVENTION:

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	\$300	\$0.00	\$0.00	\$300	09/09/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363)

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 1.
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2.
- 3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE or COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees Submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment (Please first reapply any previously paid fee shown above):

- ☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change of Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29. NOTE: Absent a valid Certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
- ☐ Applicant asserting small entity status. See 37 CFR 1.27. NOTE: If the application was previously under micro entity status, checking this box will be taken as a notification of loss of entitlement to micro entity status.
- ☐ Applicant changing to regular undiscounted fee status. NOTE: Checking this box will be taken as a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Austin Humphries Benesh/

Date 09/09/2022

Typed or printed name Austin Humphries Benesh

Registration No. 79454

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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PATENT AND TRADEMARK OFFICE

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
16/810,703

RECEIPT DATE / TIME
09/09/2022 04:03:20 PM ET

ATTORNEY DOCKET #
TUP54874

Title of Invention

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 1752

FILED BY Heather Bookhultz

PATENT CENTER # 60954582

FILING DATE 03/05/2020

CUSTOMER # 62439

FIRST NAMED INVENTOR Gary Thomas Baker Jr.

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Austin Benesh

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
ptol85b__16810703.pdf	2	Issue Fee Payment (PTO-85B)	263 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
ptol85b__16810703.pdf	CD3046C1FEB56E98CB56C58747CE83A2F038E1A7B45AEEF5 DF4CC2B65EB5905DBF06AC395249A7B24E6B438A11D97DC6 67EA58B7A56536545BF19A67ACCB6C10

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
16/810,703

RECEIPT DATE / TIME
09/09/2022 04:03:20 PM ET

ATTORNEY DOCKET #
TUP54874

Title of Invention

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	1752	FILED BY	Heather Bookhultz
PATENT CENTER #	60954582	AUTHORIZED BY	Austin Benesh
CUSTOMER #	62439	FILING DATE	03/05/2020
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Gary Thomas Baker Jr.

Payment Information

PAYMENT METHOD CARD / 7553	PAYMENT TRANSACTION ID E202299G03463672	PAYMENT AUTHORIZED BY Heather Bookhultz
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FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
3501	UTILITY ISSUE FEE	300.00	1	300.00
TOTAL AMOUNT:				\$300.00

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371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/810,703	10/11/2022	11468757	TUP54874	1752

62439 7590 09/21/2022
Sinorica LLC dba Thoughts to Paper
20251 Century Blvd Ste 140
Germantown, MD 20874

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 61 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional inventors):

Gary Thomas Baker Jr., Houston, TX;

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

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