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Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Gary Thomas Baker Jr.	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	TUP70980	

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Austin H Benesh/	Date (YYYY-MM-DD)	2022-10-11
Name/Print	Austin H Benesh	Registration Number	79454

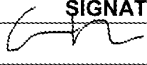
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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be 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.

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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—					
(1) SMALL ENTITY REQUIREMENT – The applicant qualifies as a small entity as defined in 37 CFR 1.27. (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. (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. (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.					
SIGNATURE by an authorized party set forth in 37 CFR 1.33(b)					
Signature					
Name		Gary Thomas Baker Jr.			
Date		10/06/2022		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.			

Doc Code: PA..

Document Description: Power of Attorney

PTO/AIA/82A (07-13)

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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

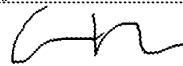
Examiner Name

Attorney Docket Number

TUP70980

SIGNATURE of Applicant or Patent Practitioner

Signature



Date (Optional)

10/06/2022

Name

Gary Thomas Baker Jr.

Registration
Number

Title (if Applicant is a
juristic entity)

Applicant Name (if Applicant is a juristic entity)

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☐

*Total of _____ forms are submitted.

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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

- ☒ I hereby appoint the Patent 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 identified above: **062439**
- OR
- ☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) 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 patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

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

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I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

- ☒ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☐ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ 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) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date (Optional)

10/06/2022

Name

Gary Thomas Baker Jr.

Title

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. If more than one applicant, use multiple forms.

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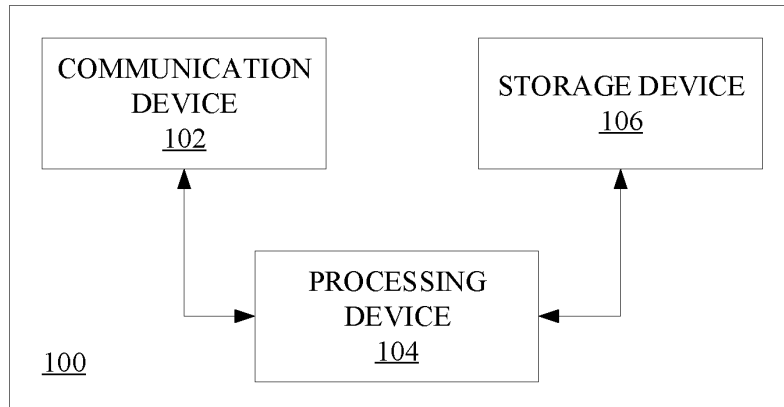
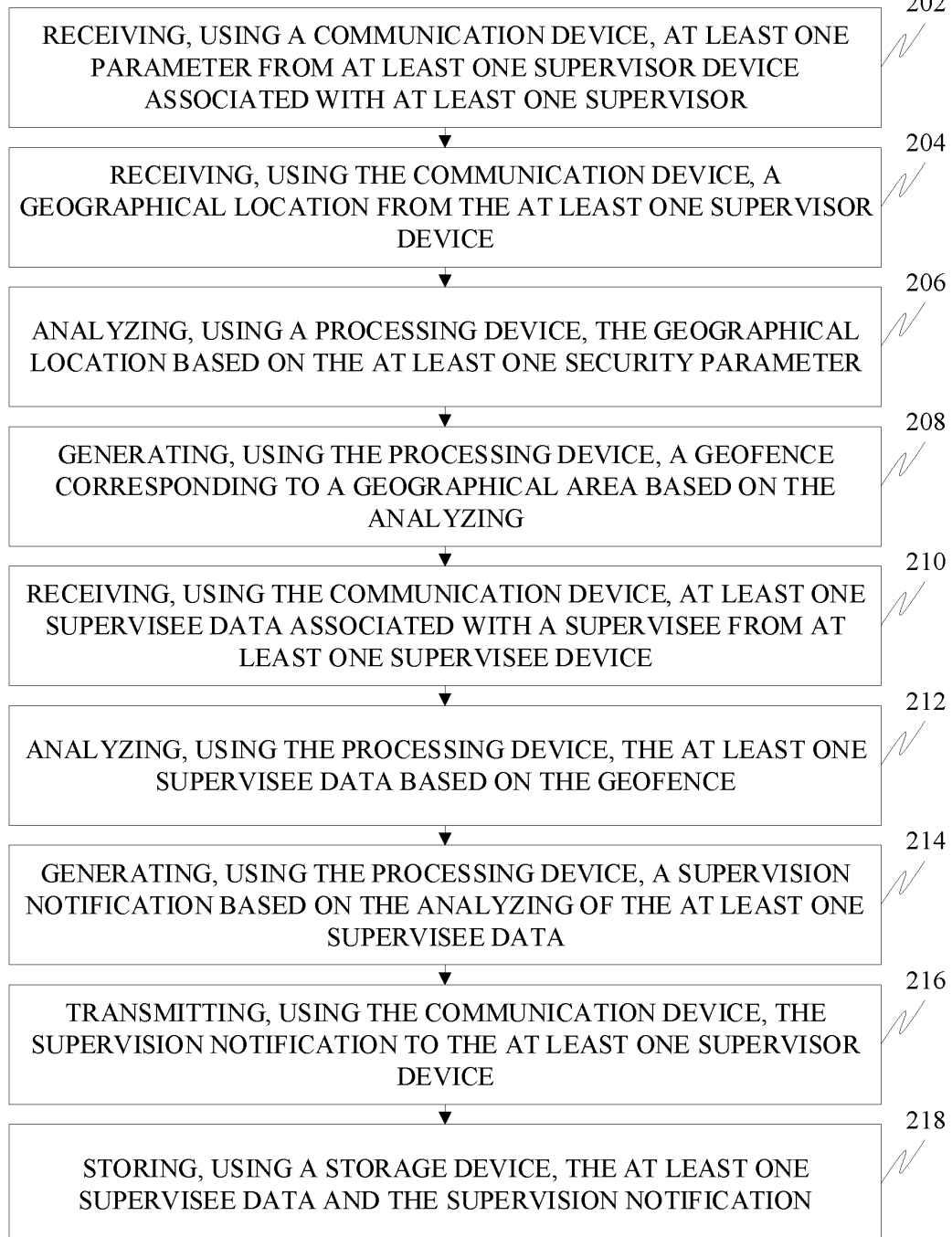


FIG. 1

**FIG. 2**

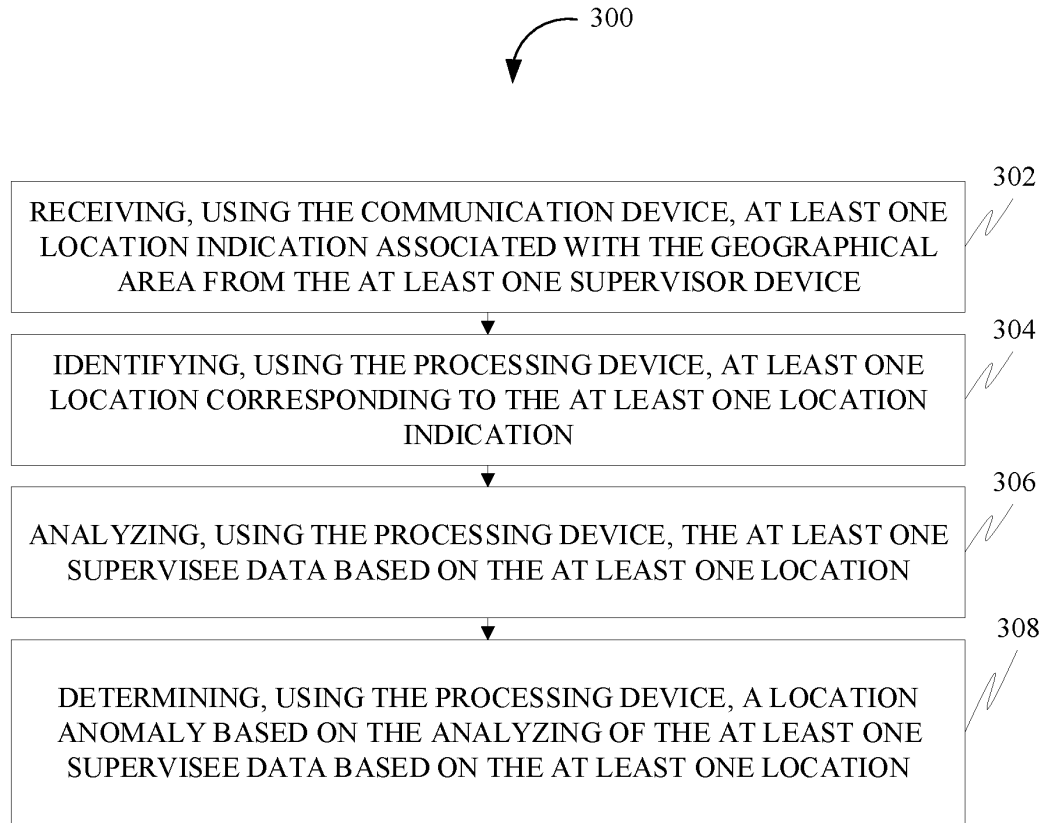


FIG. 3

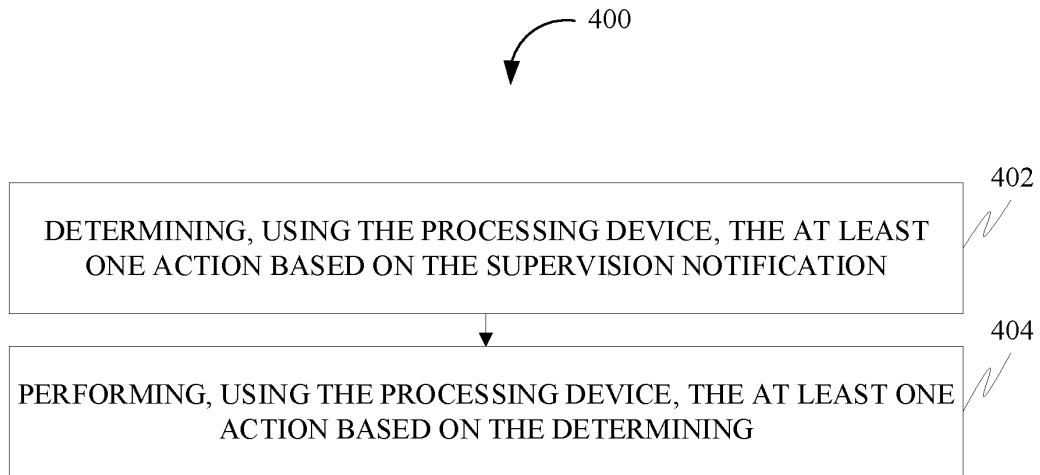


FIG. 4

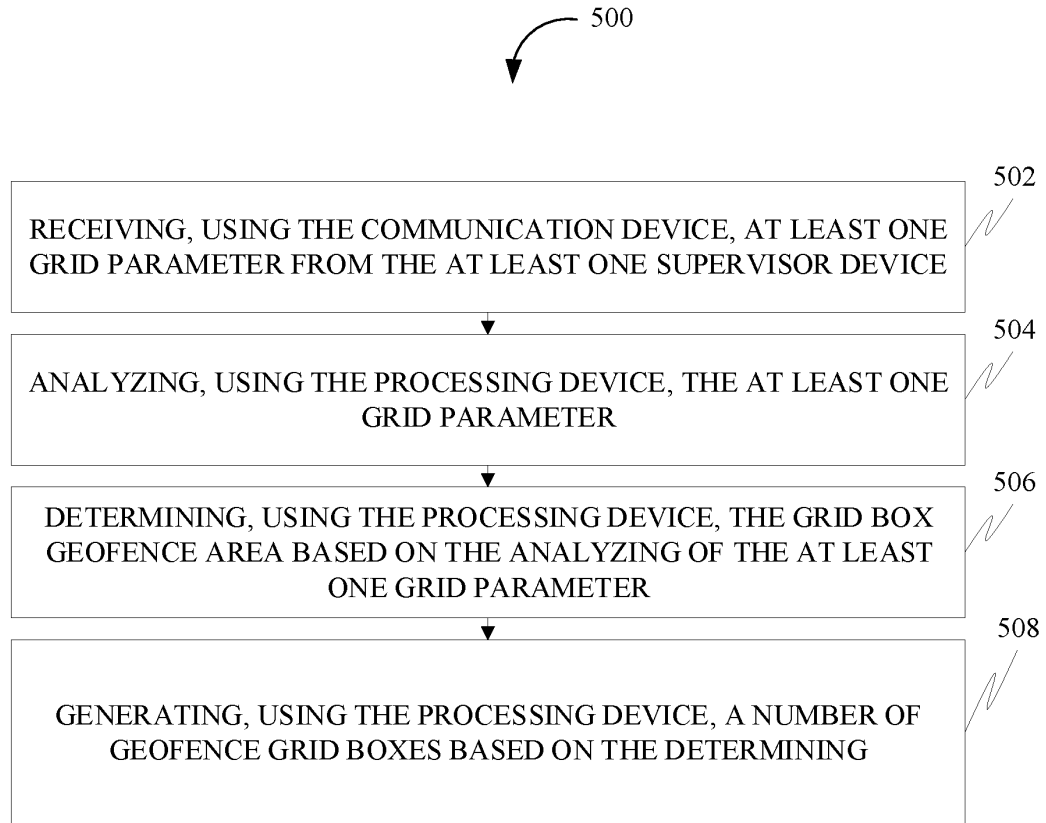


FIG. 5

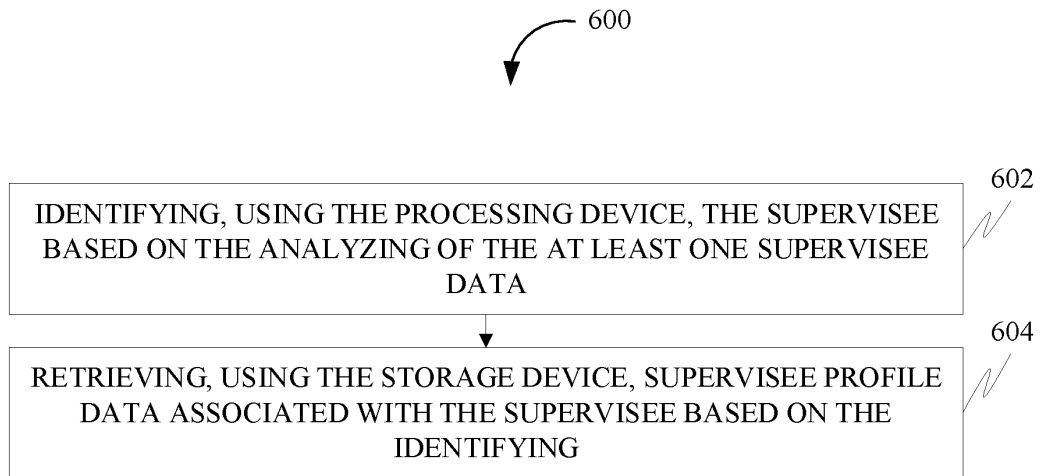


FIG. 6

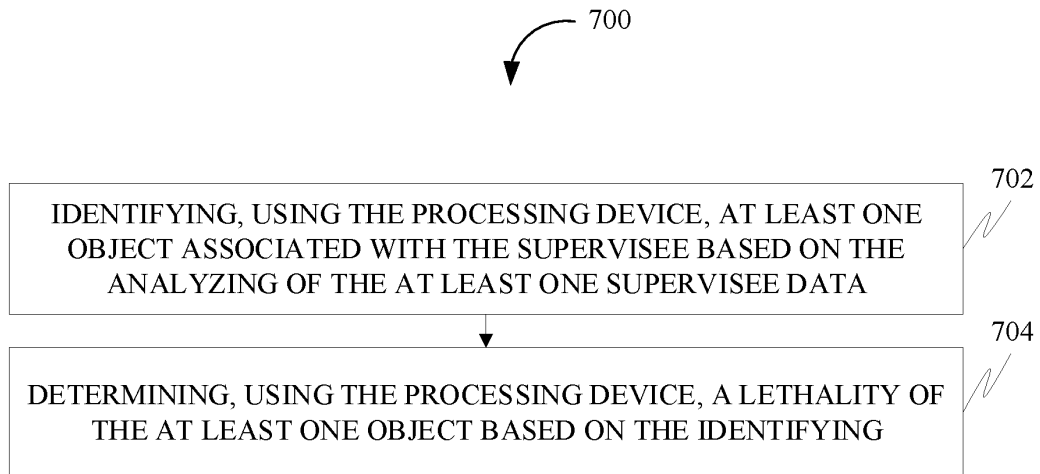


FIG. 7

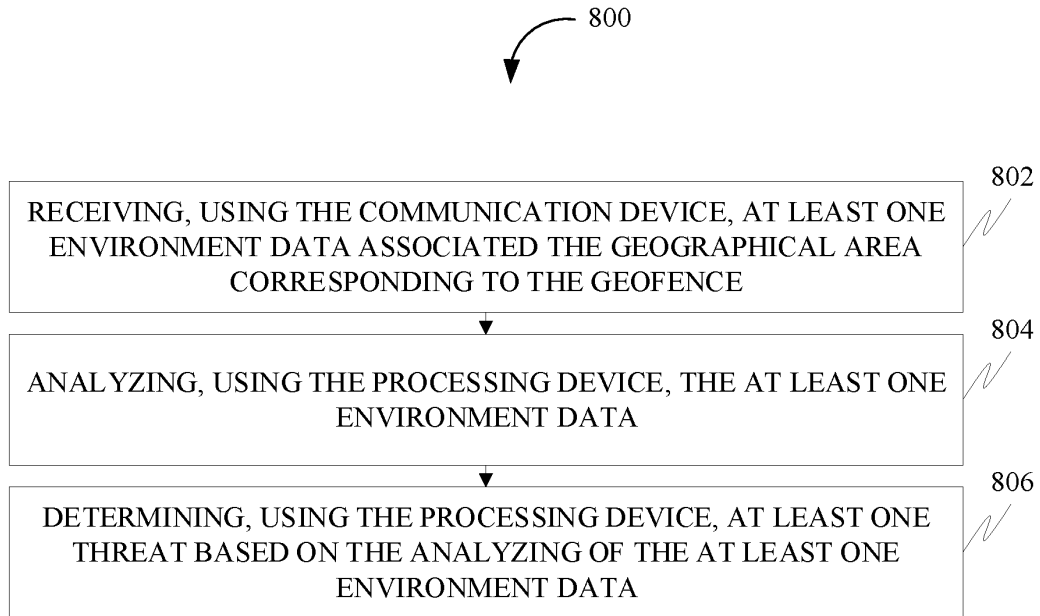


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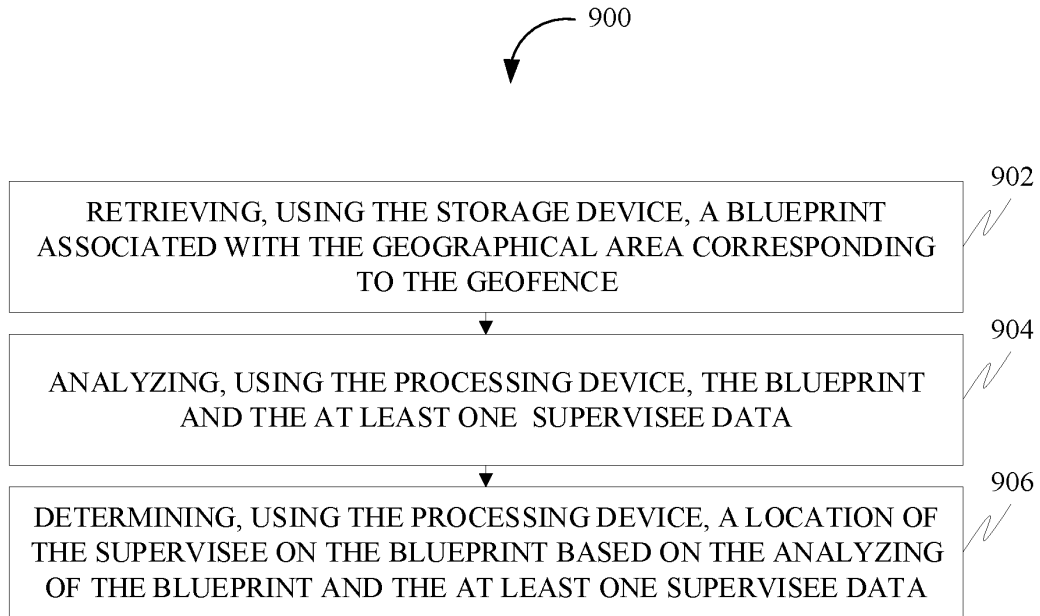


FIG. 9

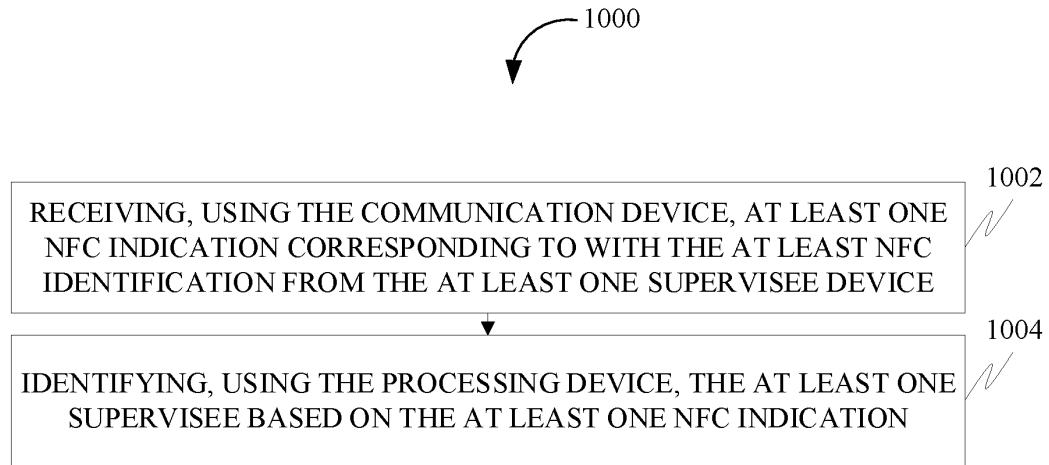


FIG. 10

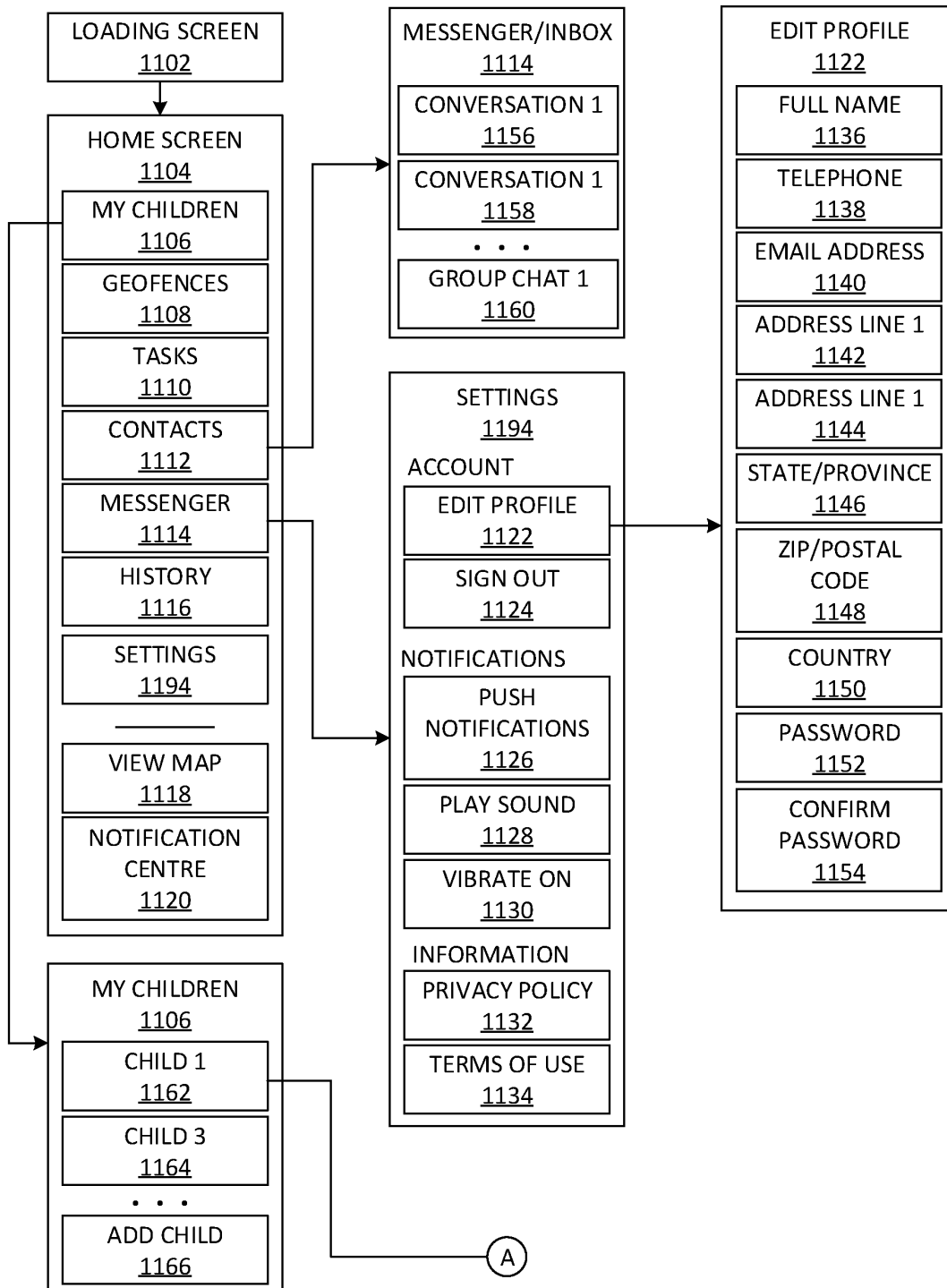
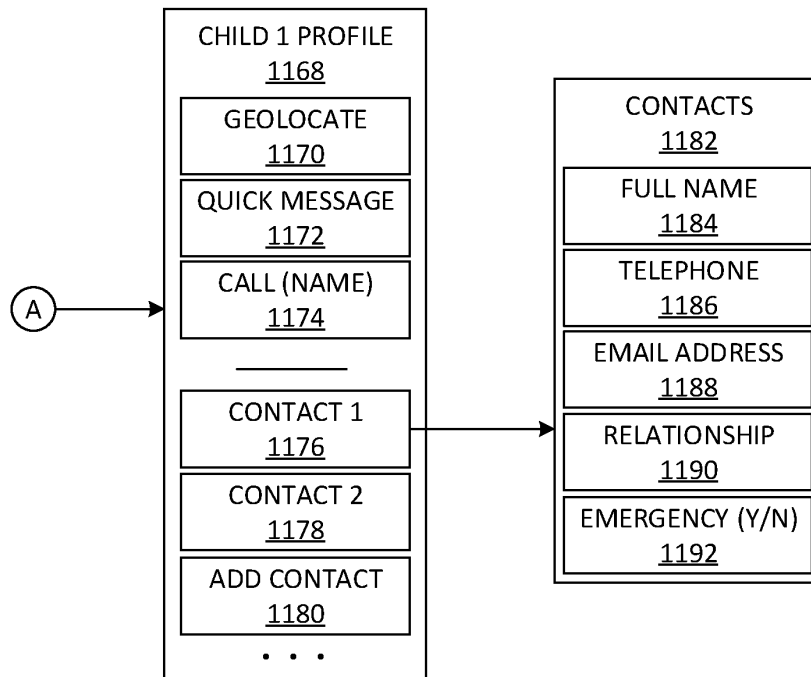


FIG. 11

**FIG. 12**

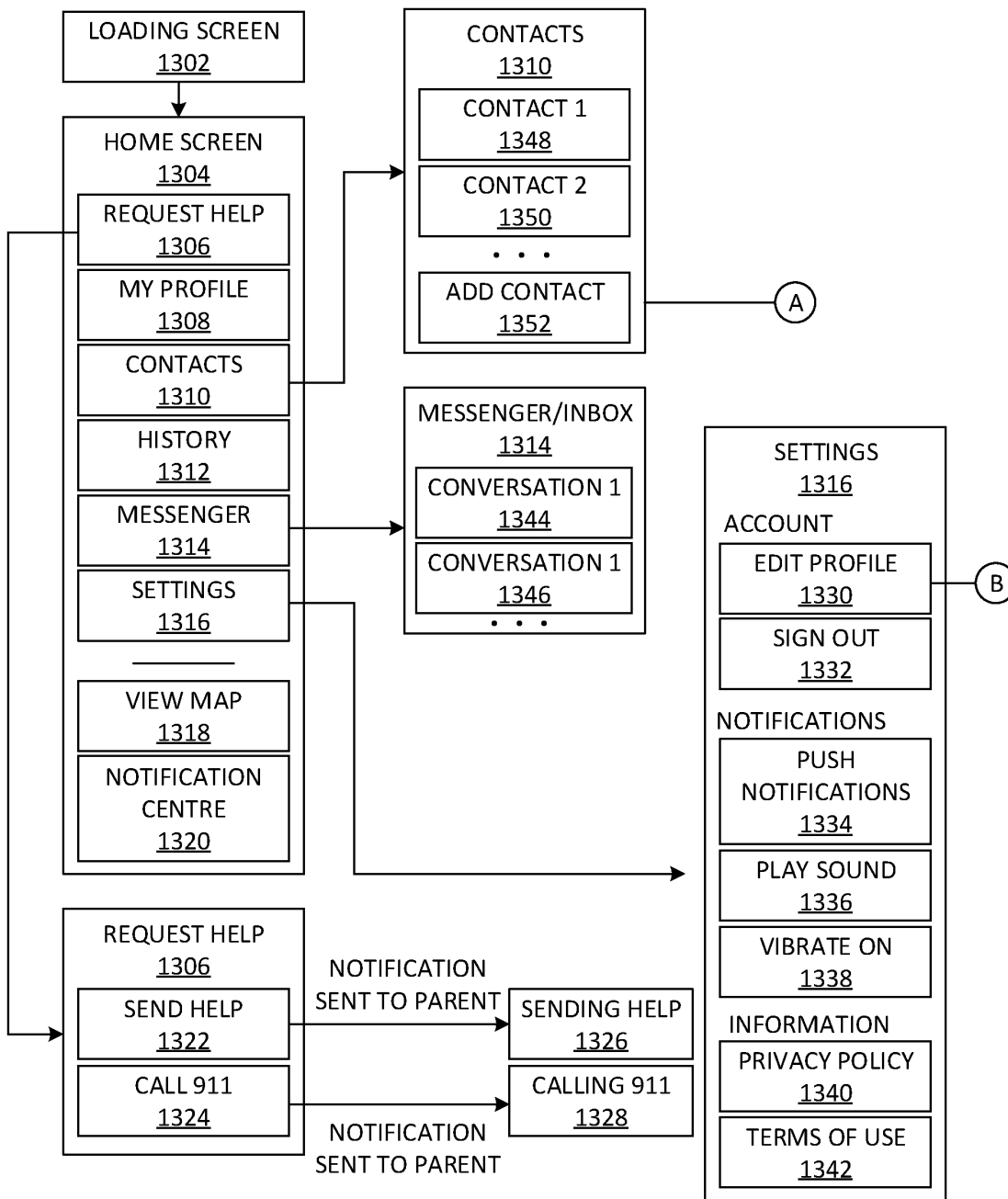
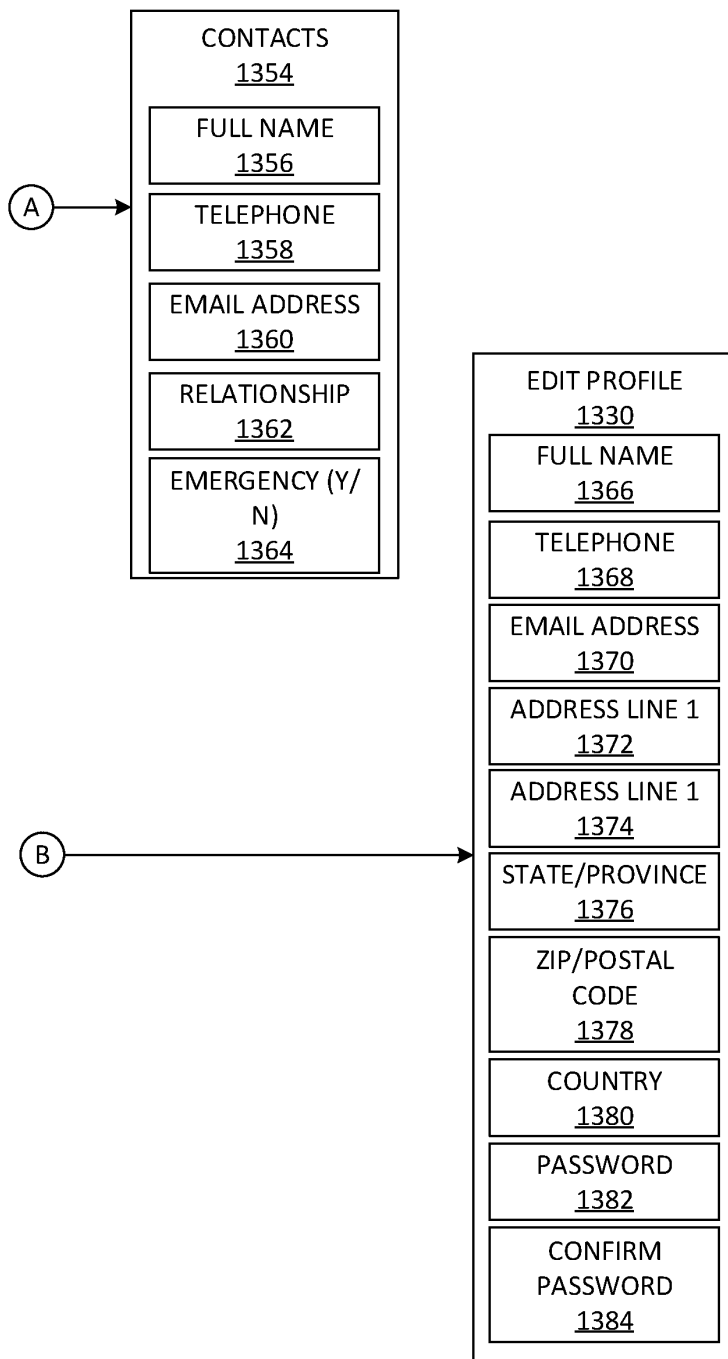
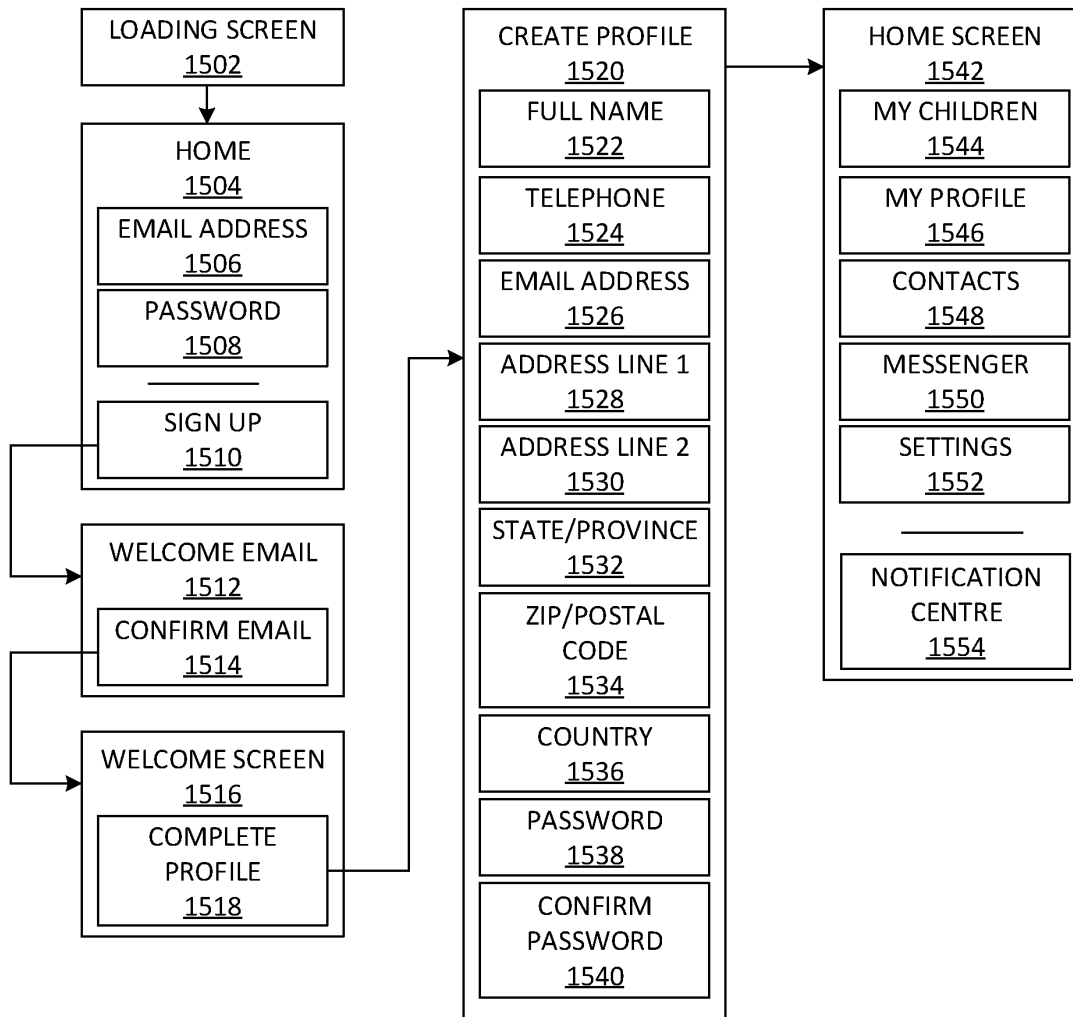
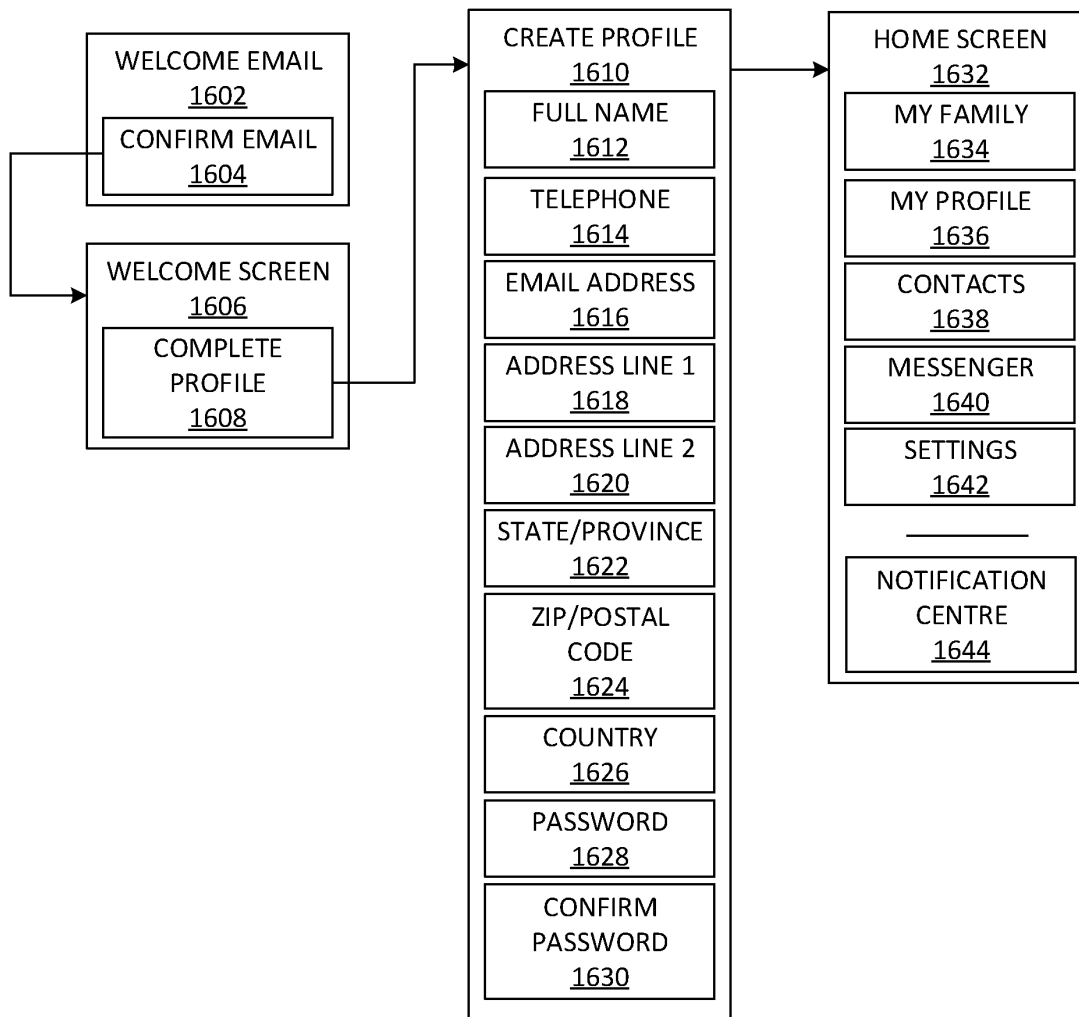
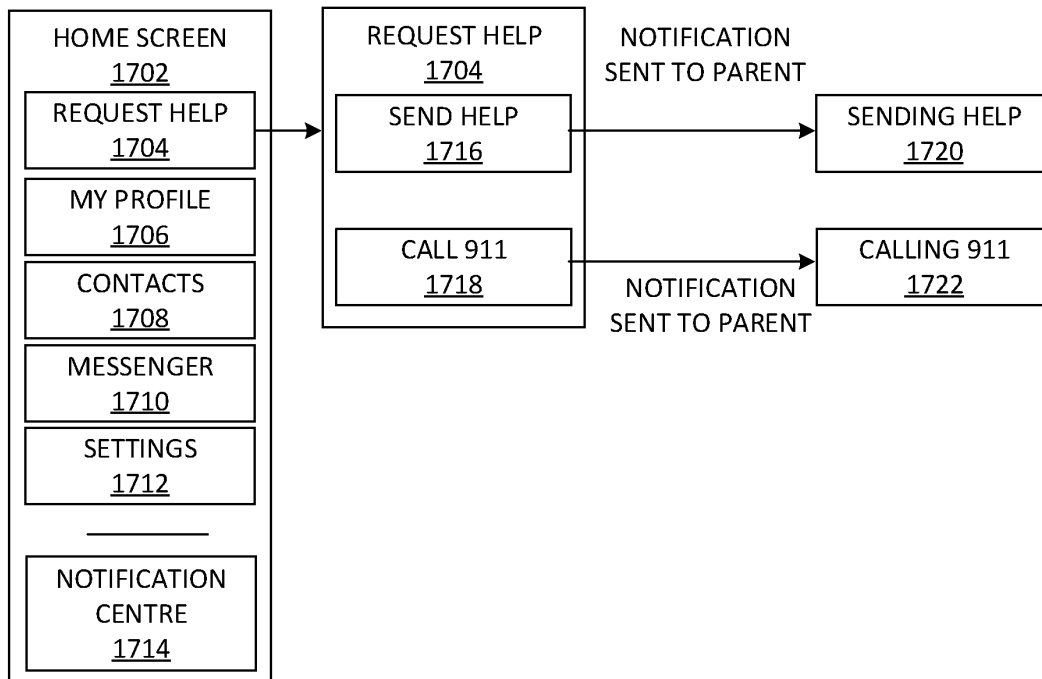


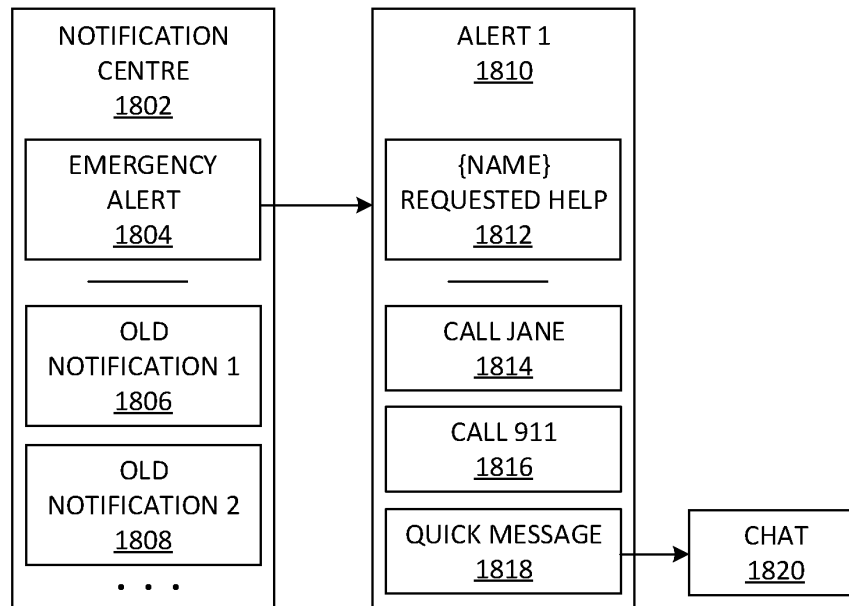
FIG. 13

**FIG. 14**

**FIG. 15**

**FIG. 16**

**FIG. 17**

**FIG. 18**

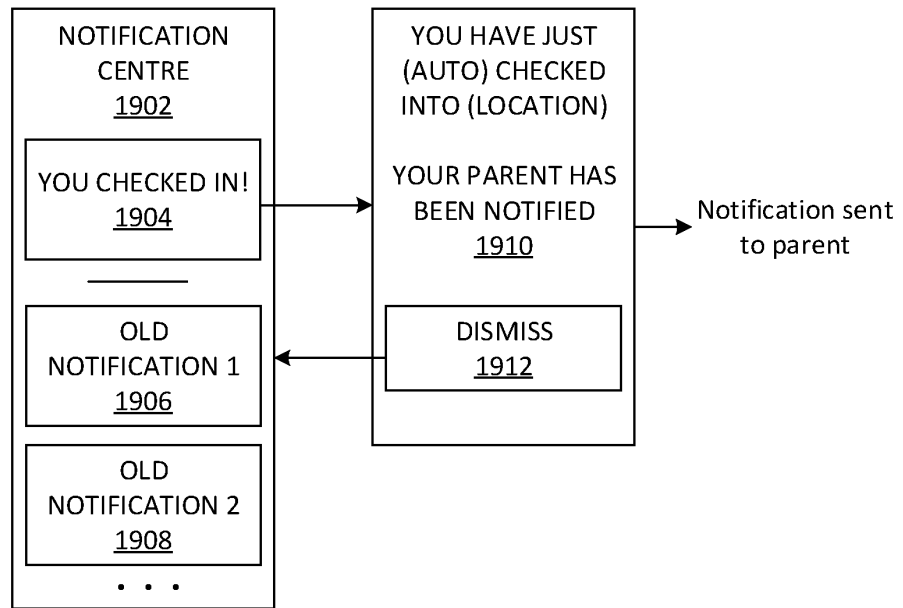
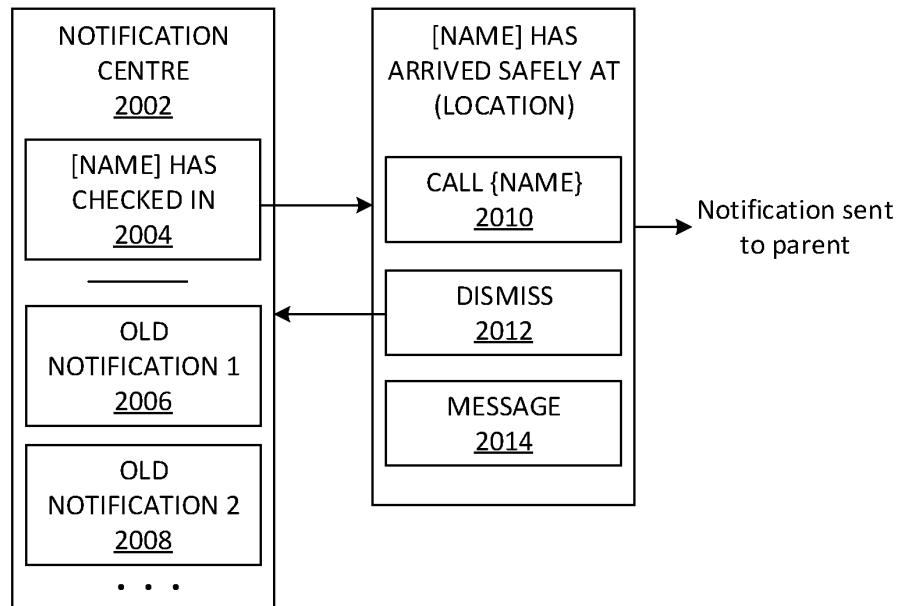
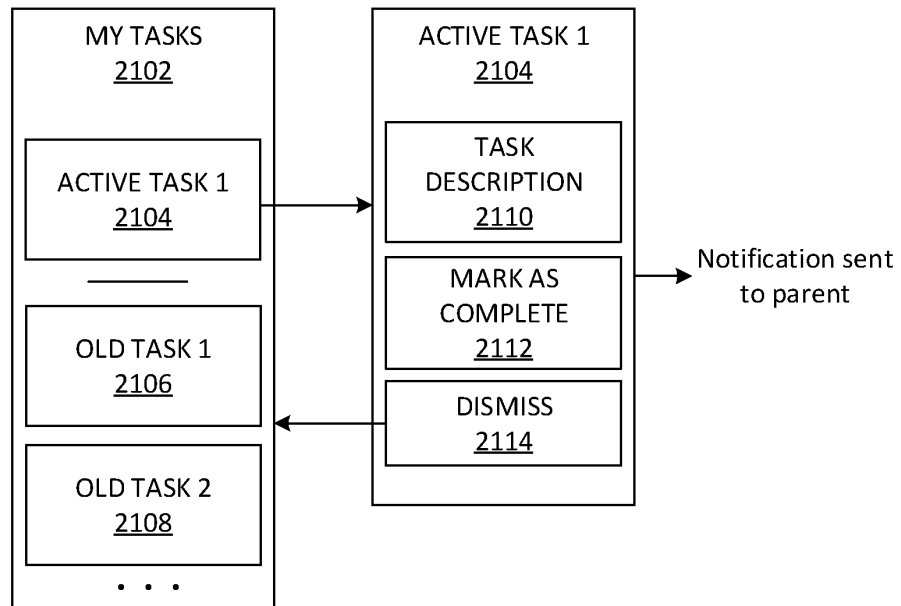
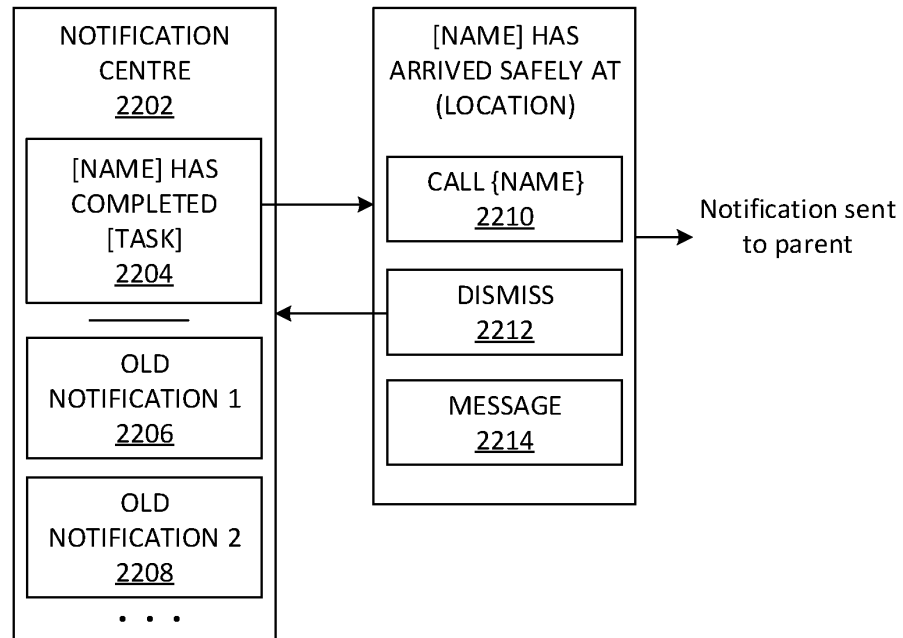


FIG. 19

**FIG. 20**

**FIG. 21**

**FIG. 22**

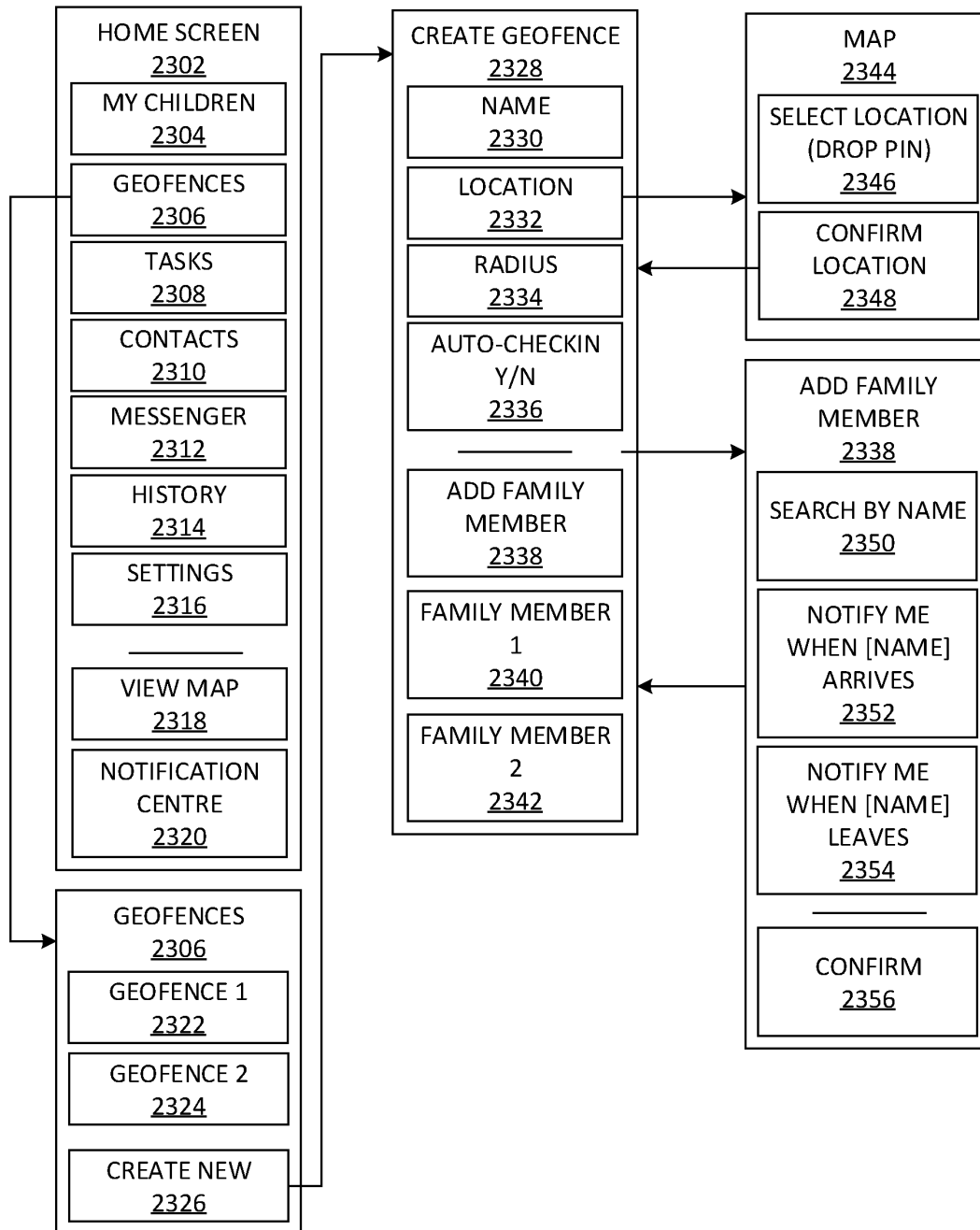
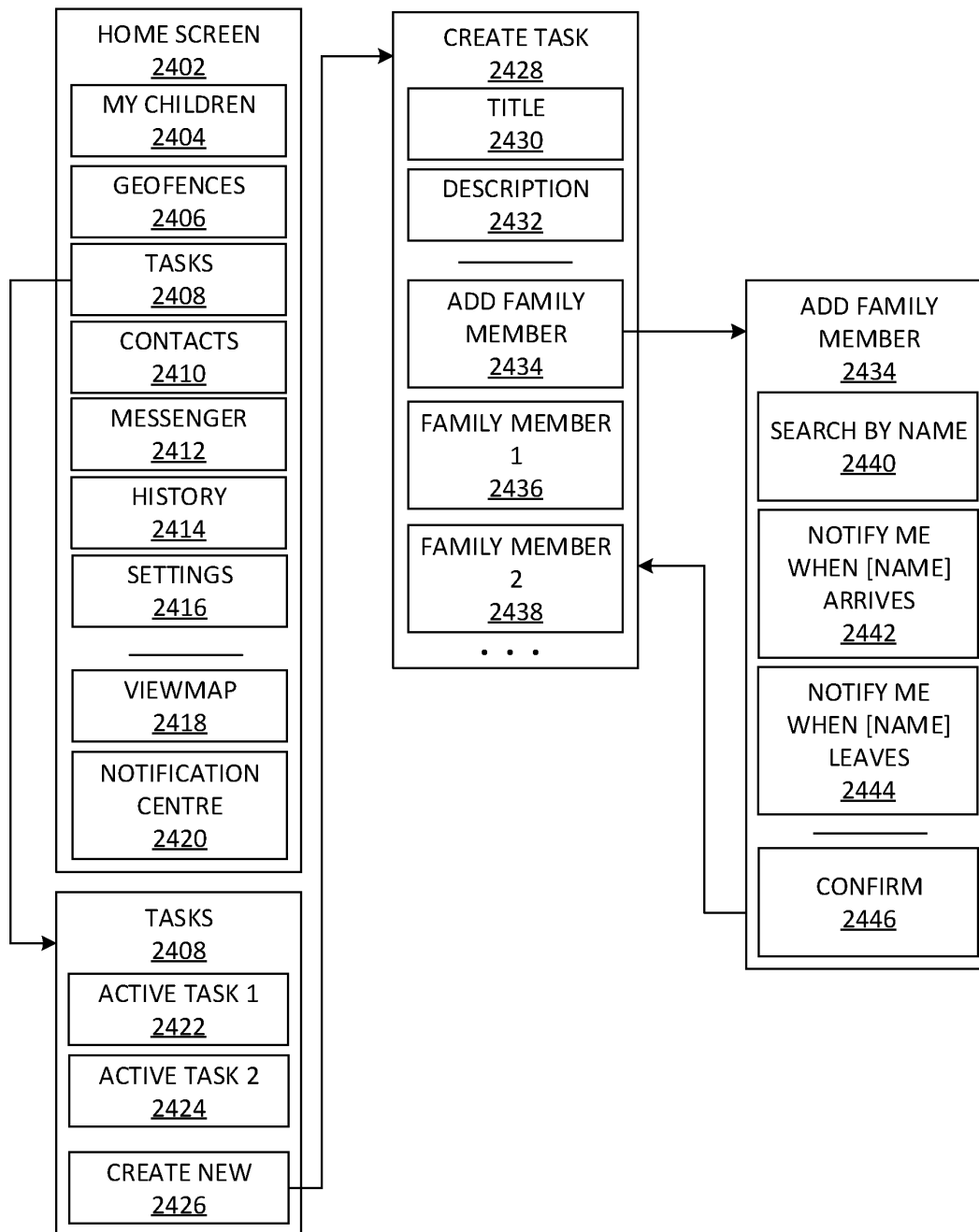
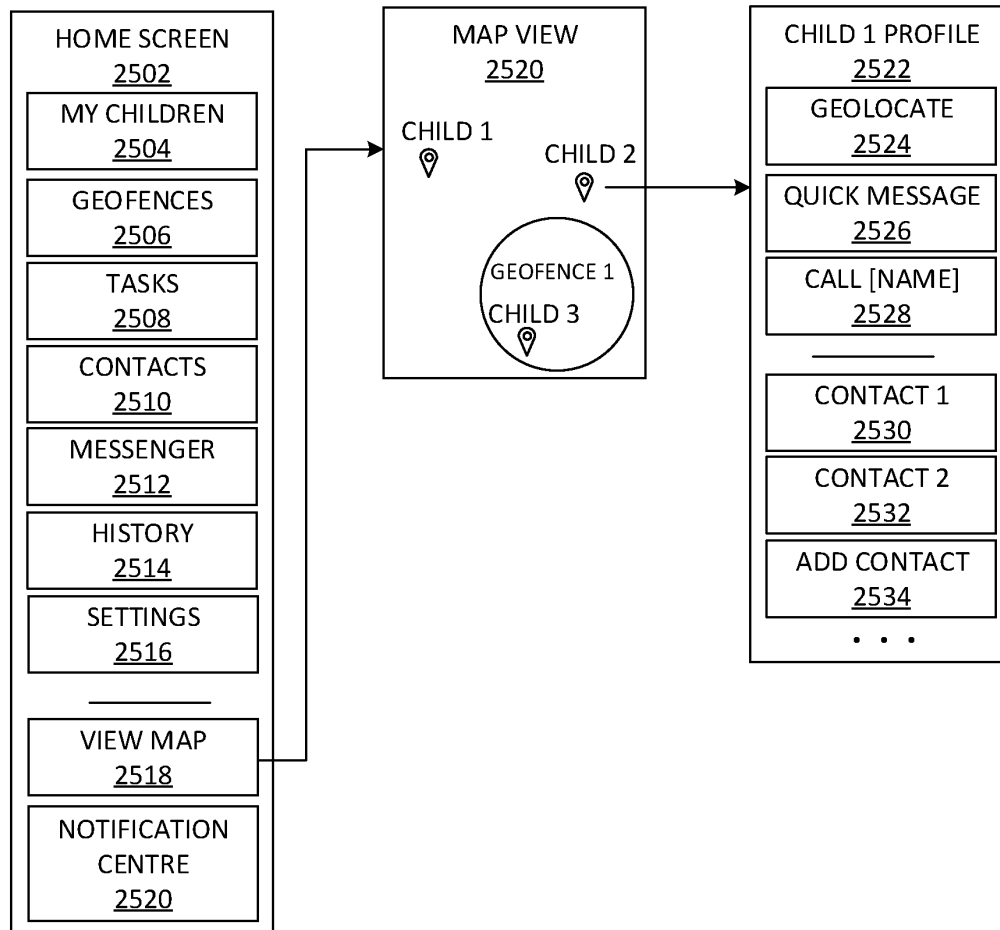
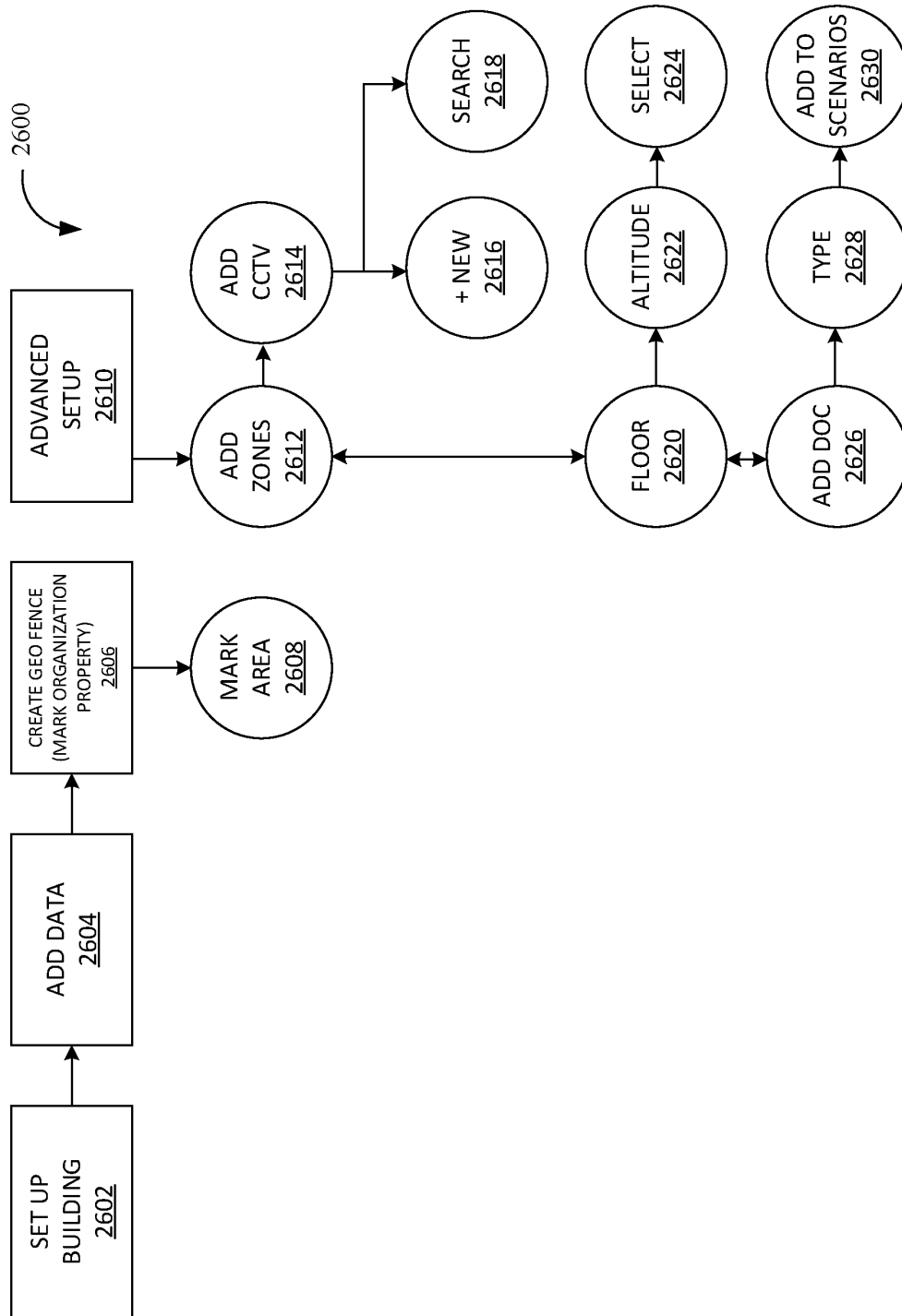


FIG. 23

**FIG. 24**

**FIG. 25**

**FIG. 26**

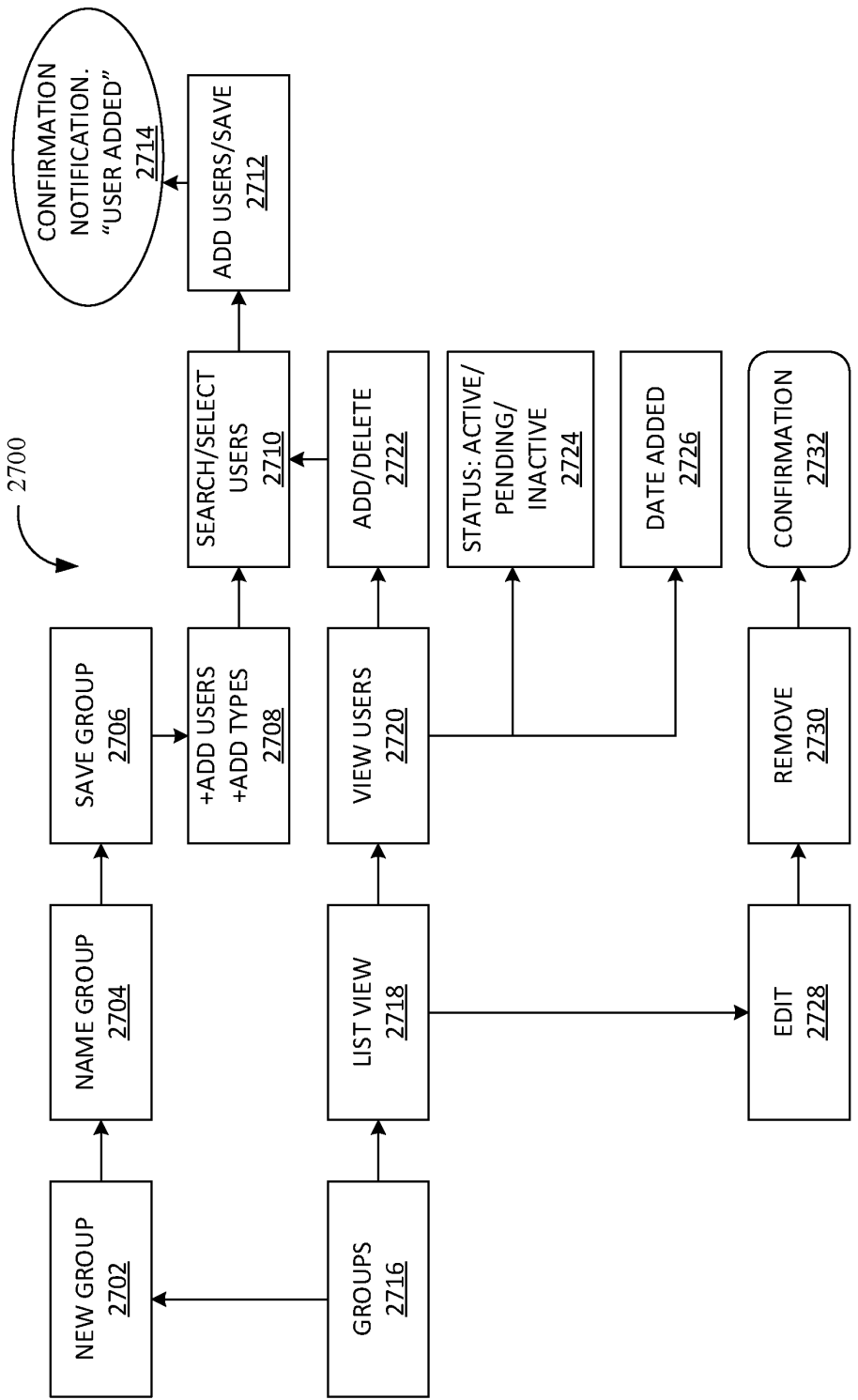
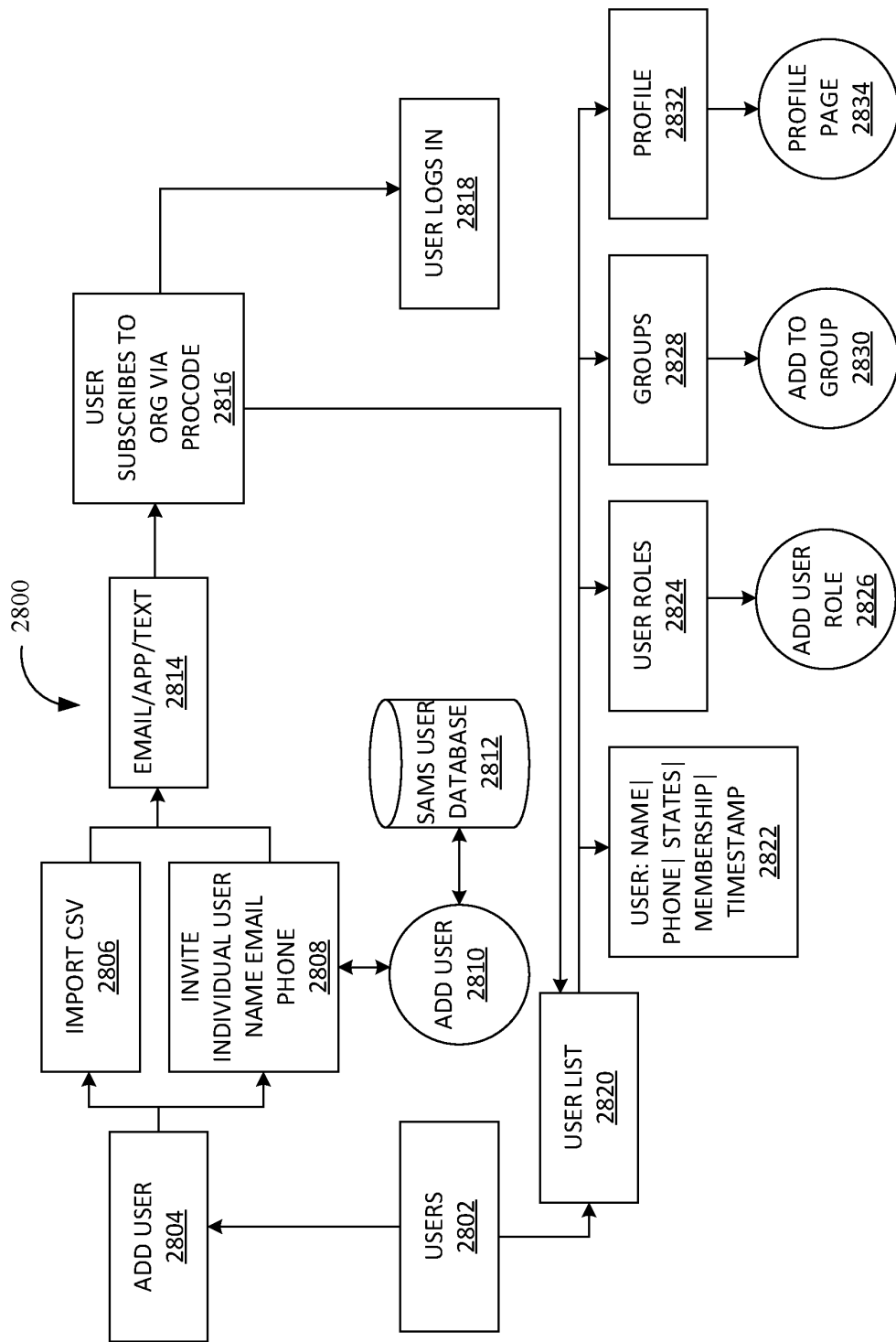
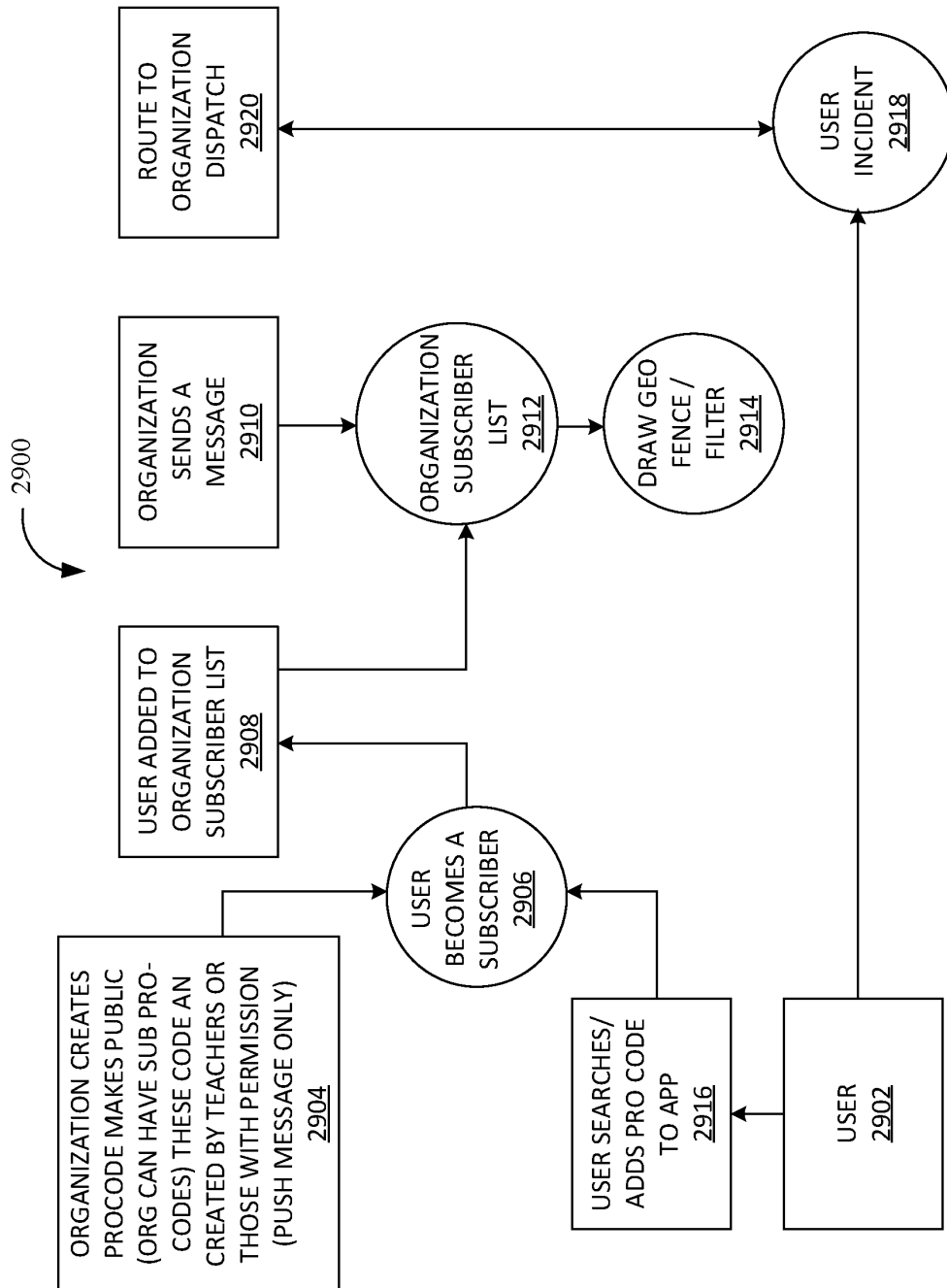
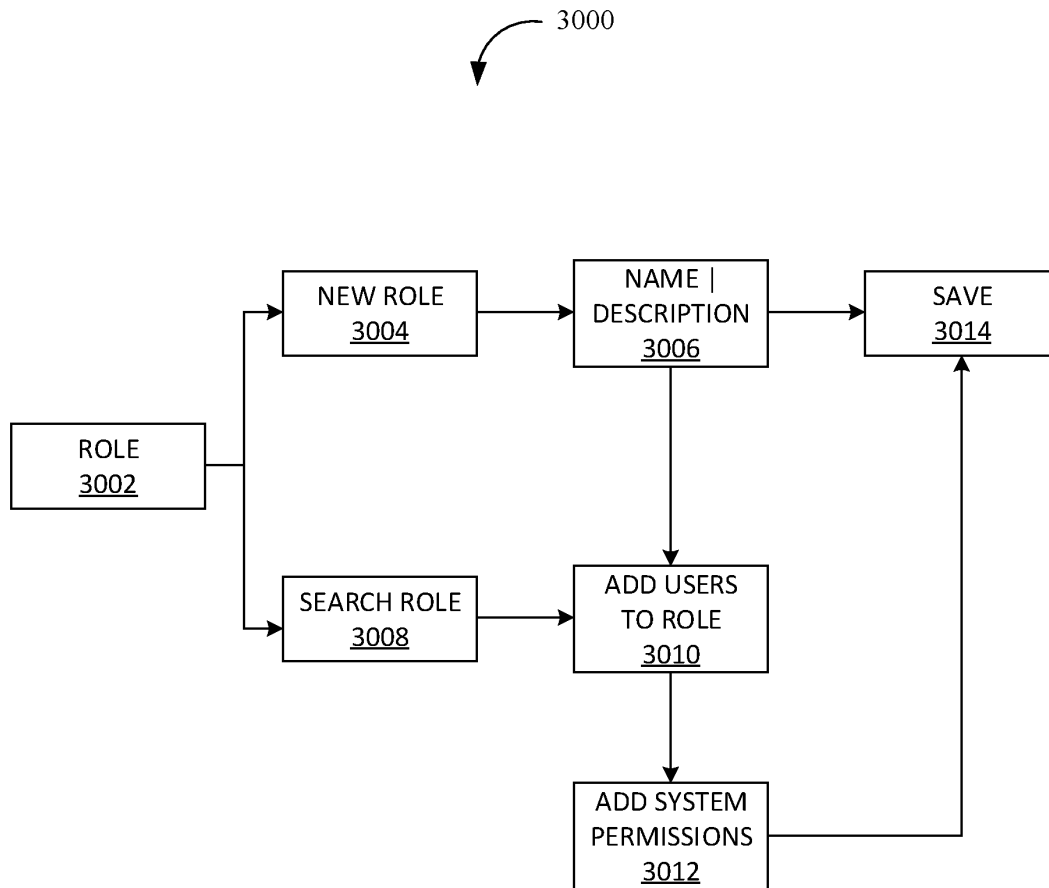
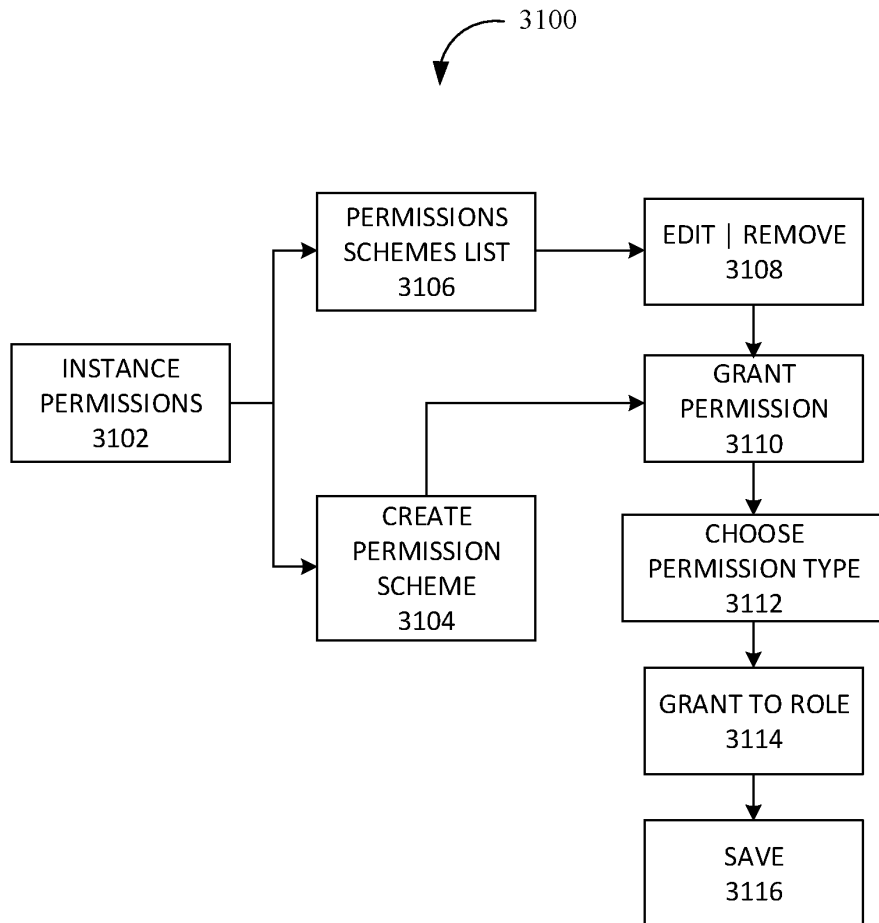


FIG. 27

**FIG. 28**

**FIG. 29**

**FIG. 30**

**FIG. 31**

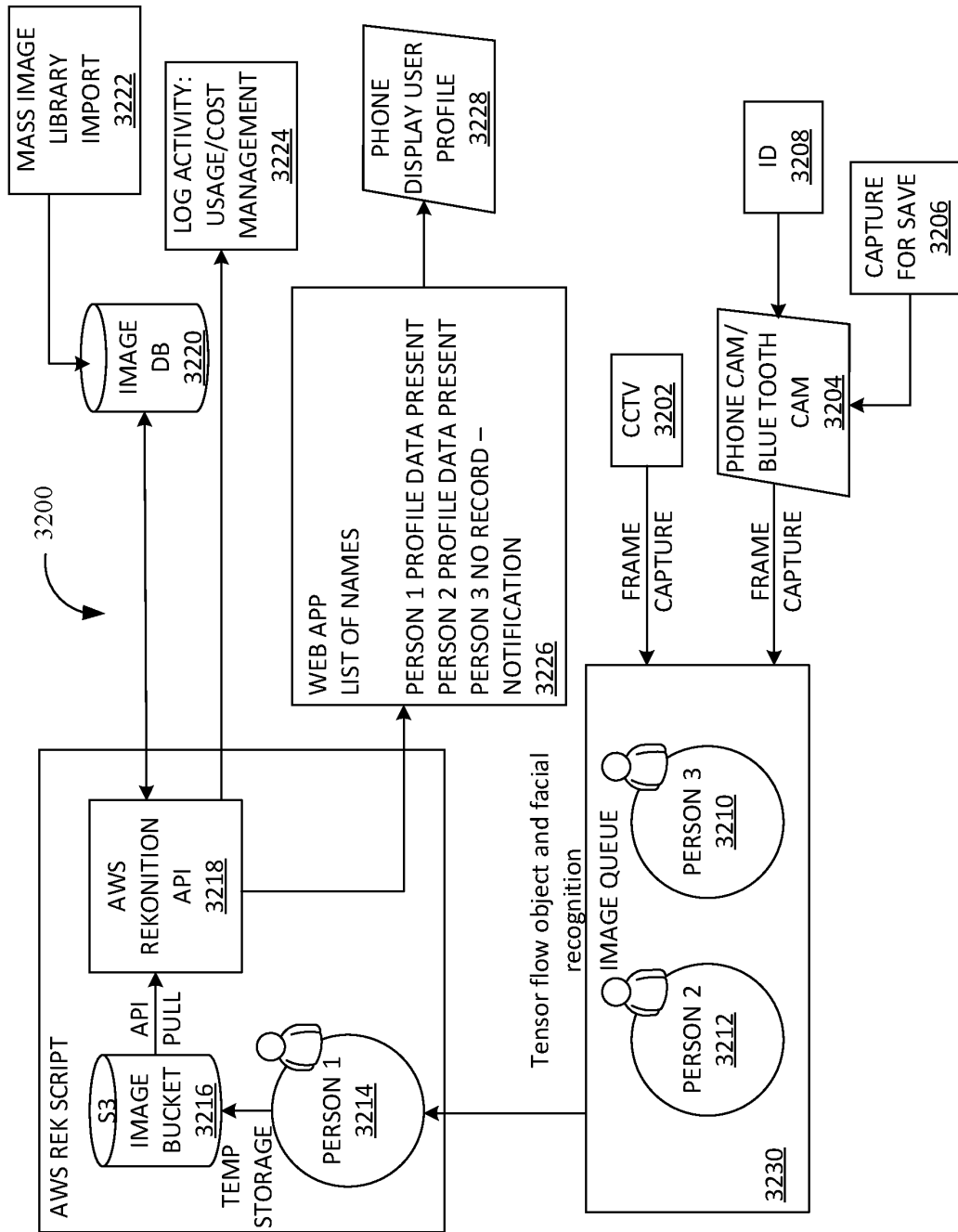


FIG. 32



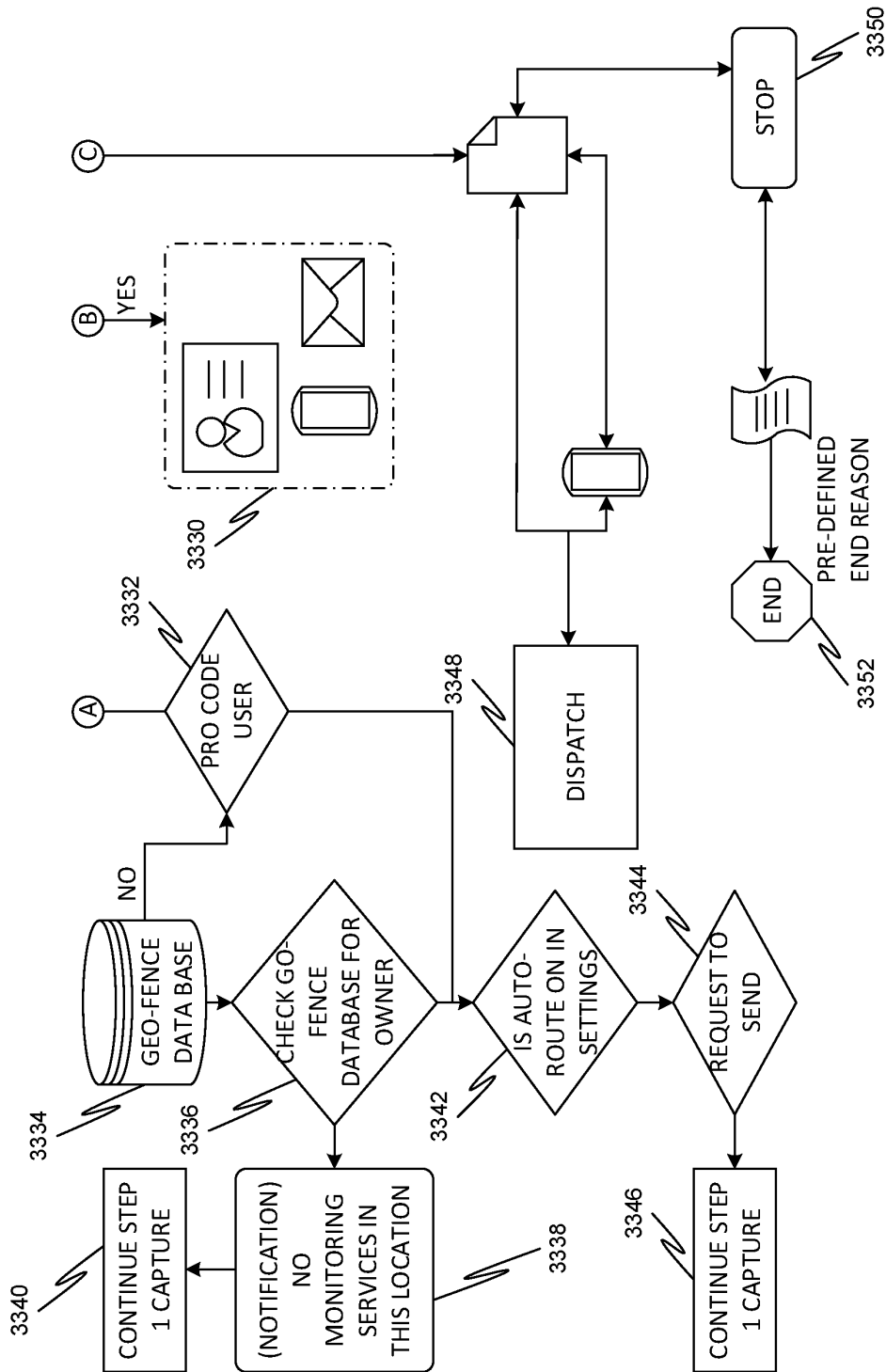


FIG. 34

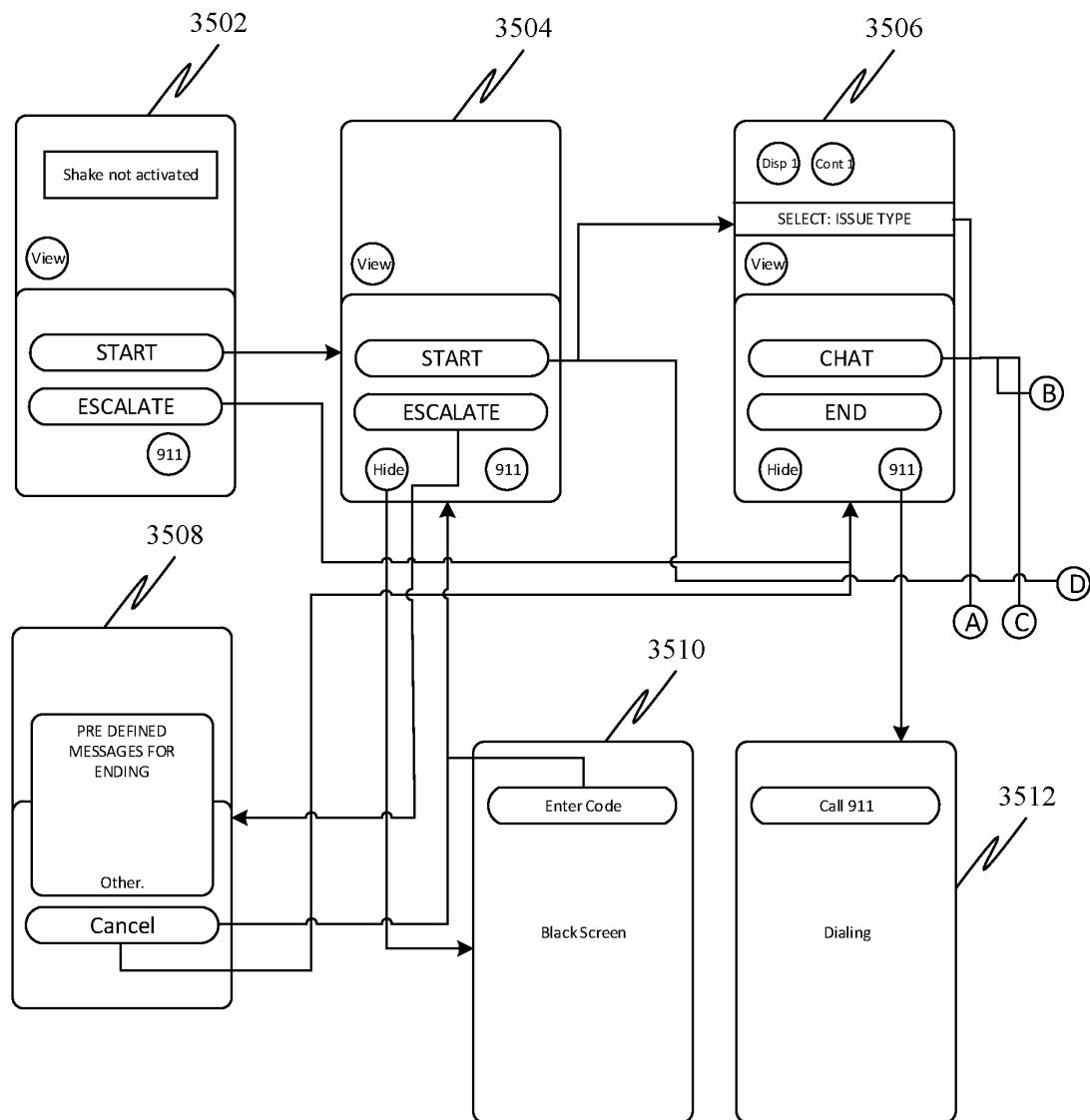
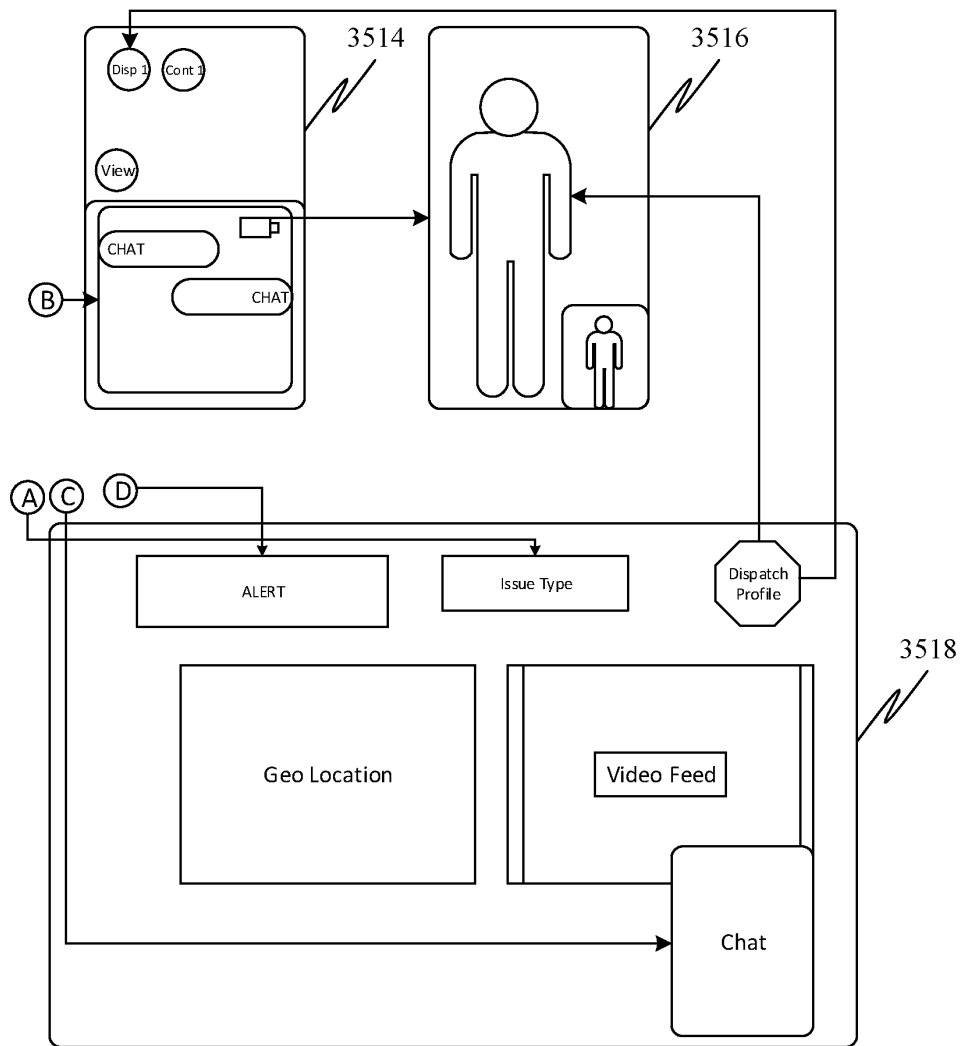


FIG. 35

**FIG. 36**

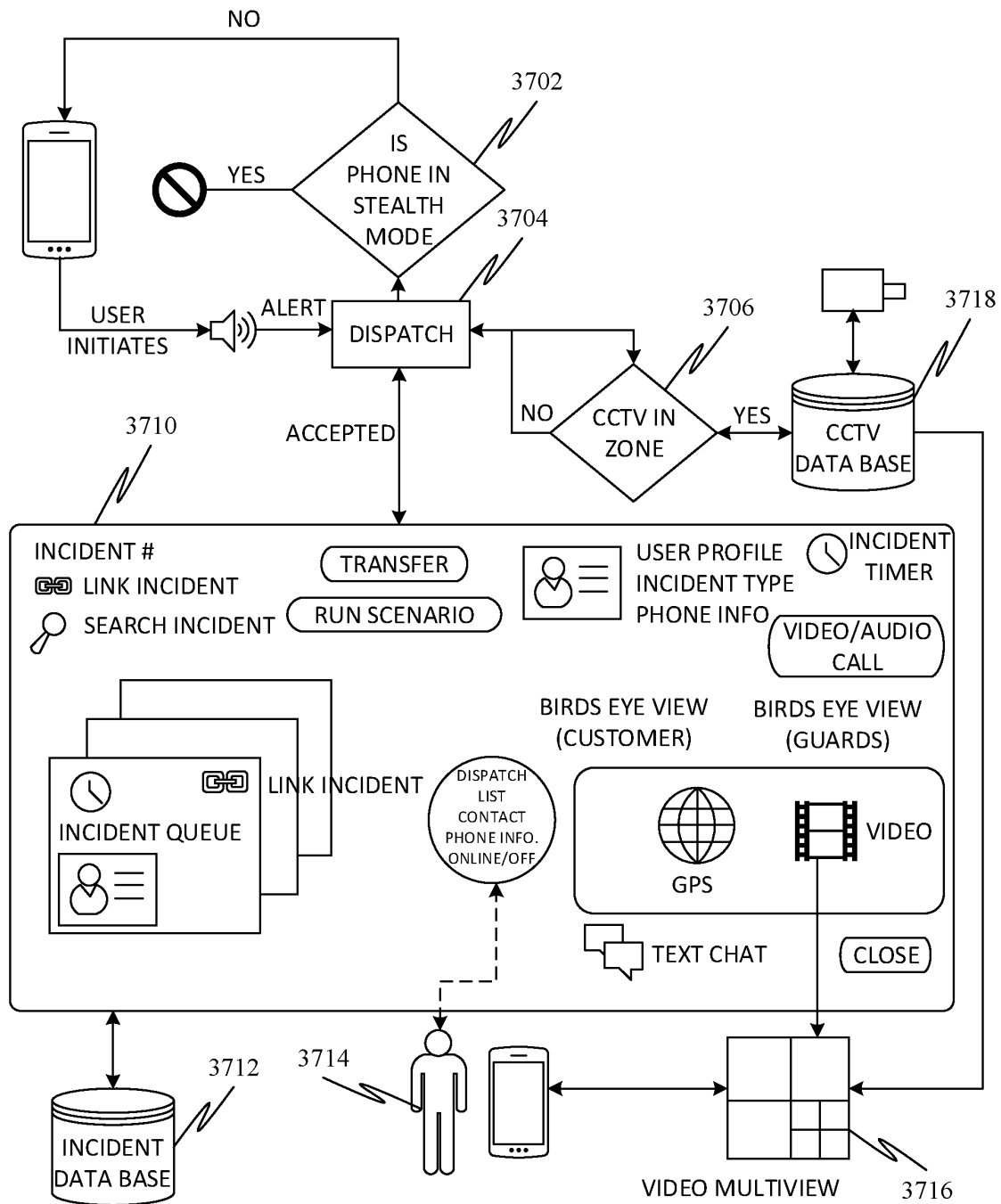


FIG. 37

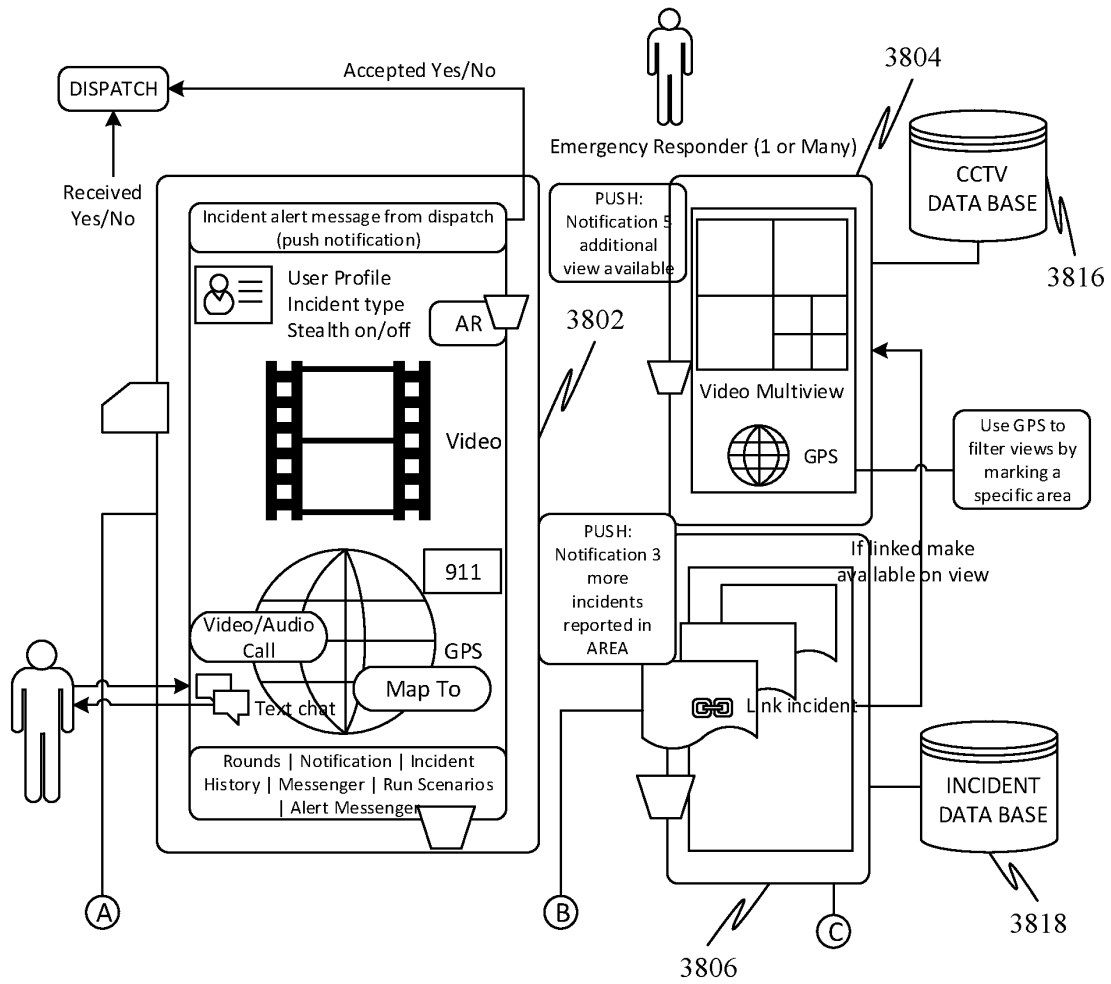


FIG. 38

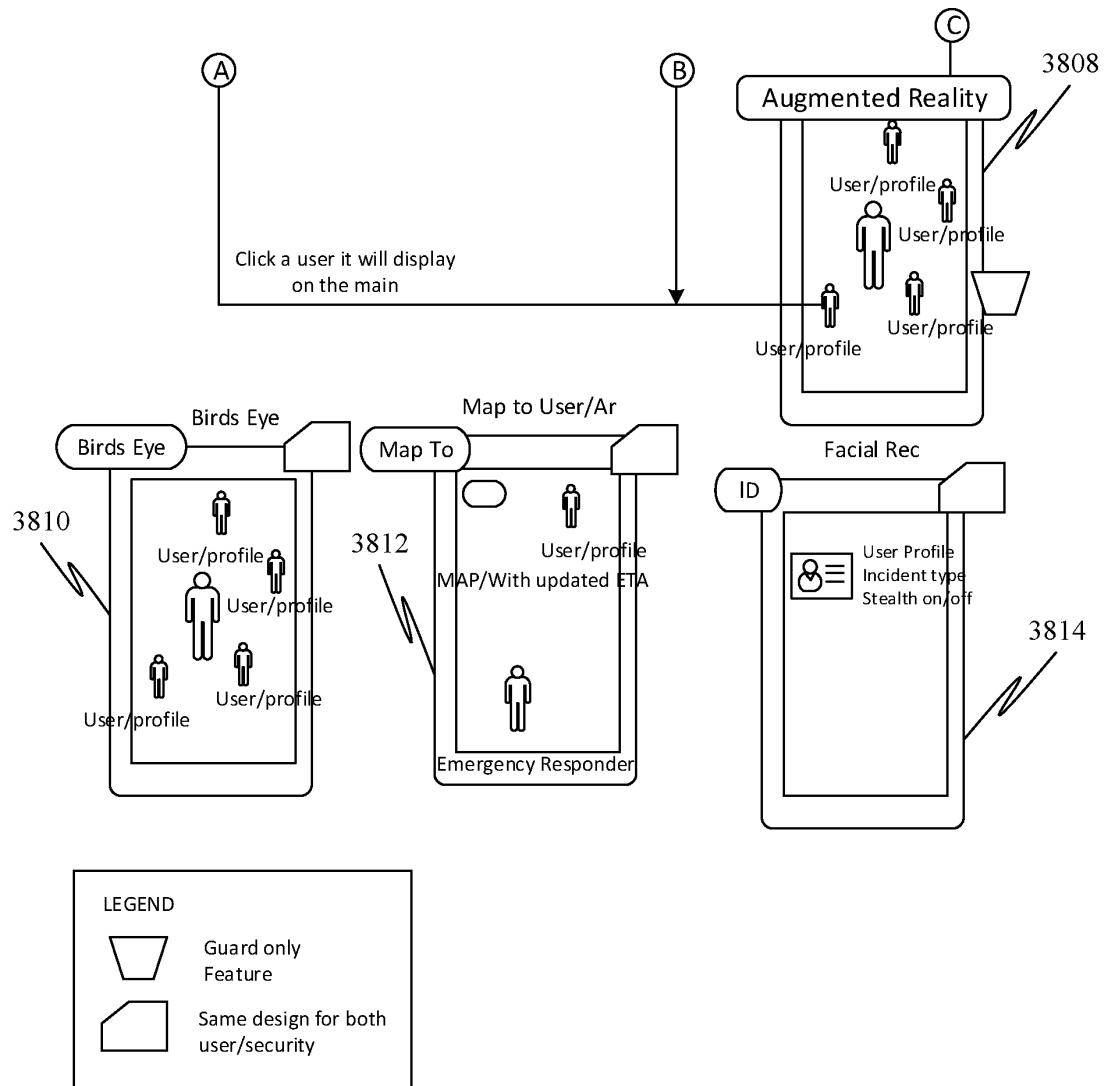
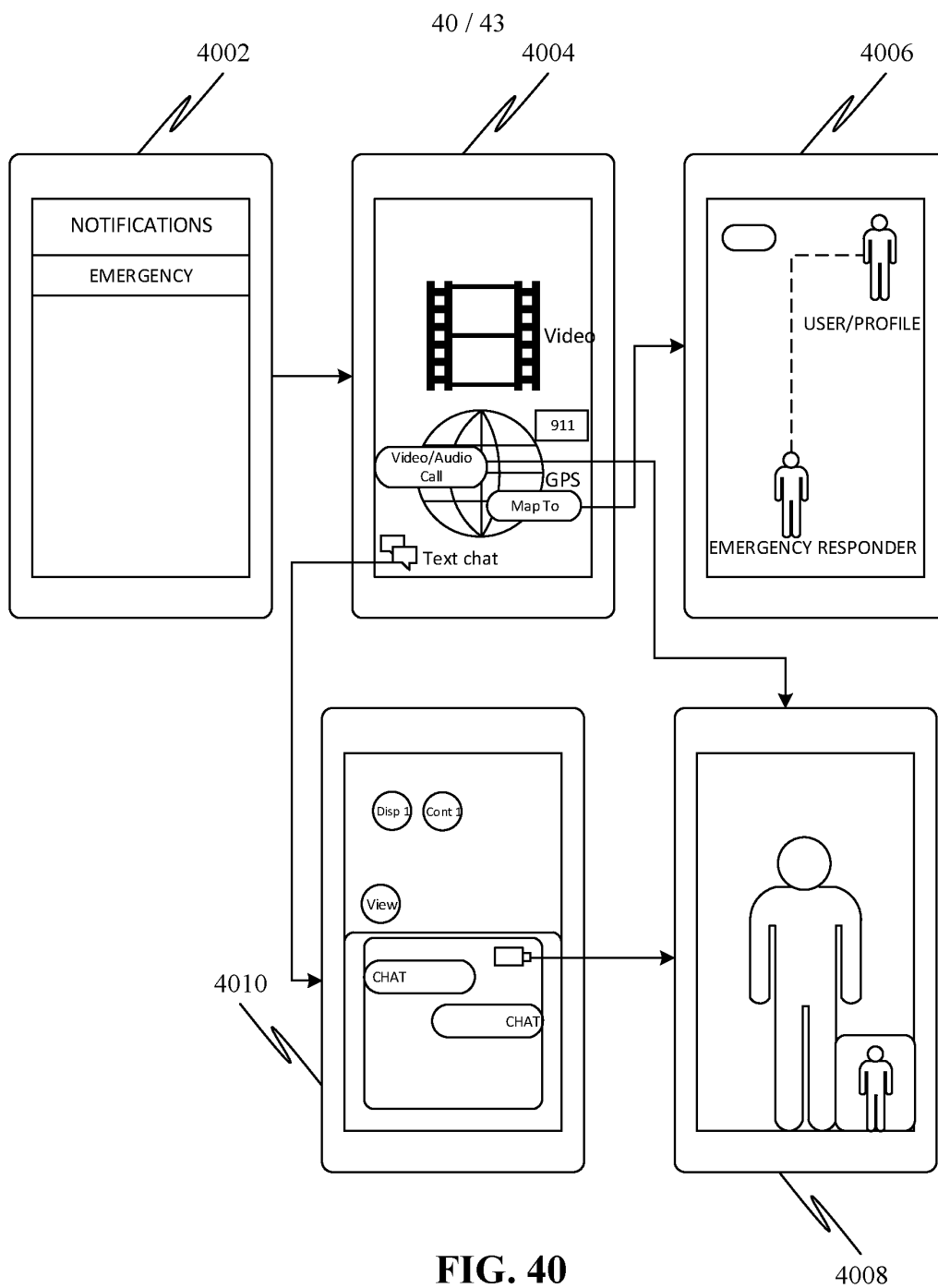


FIG. 39



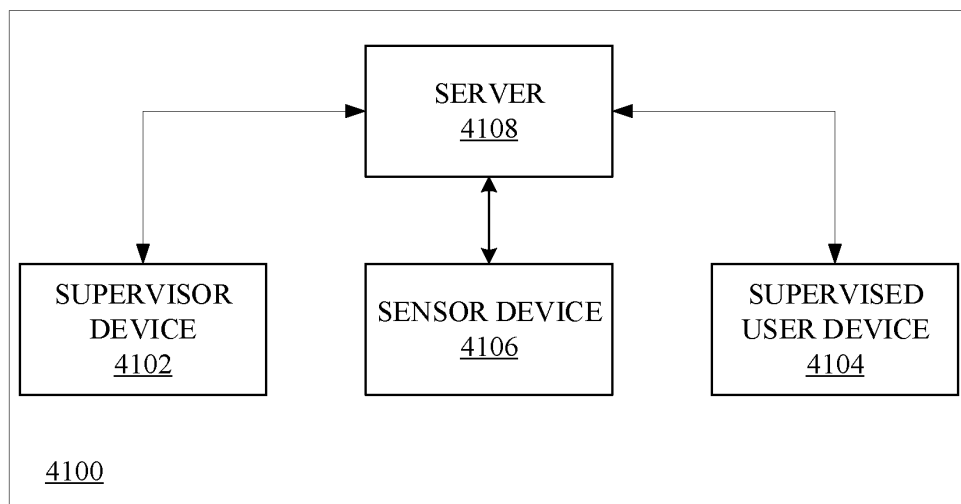
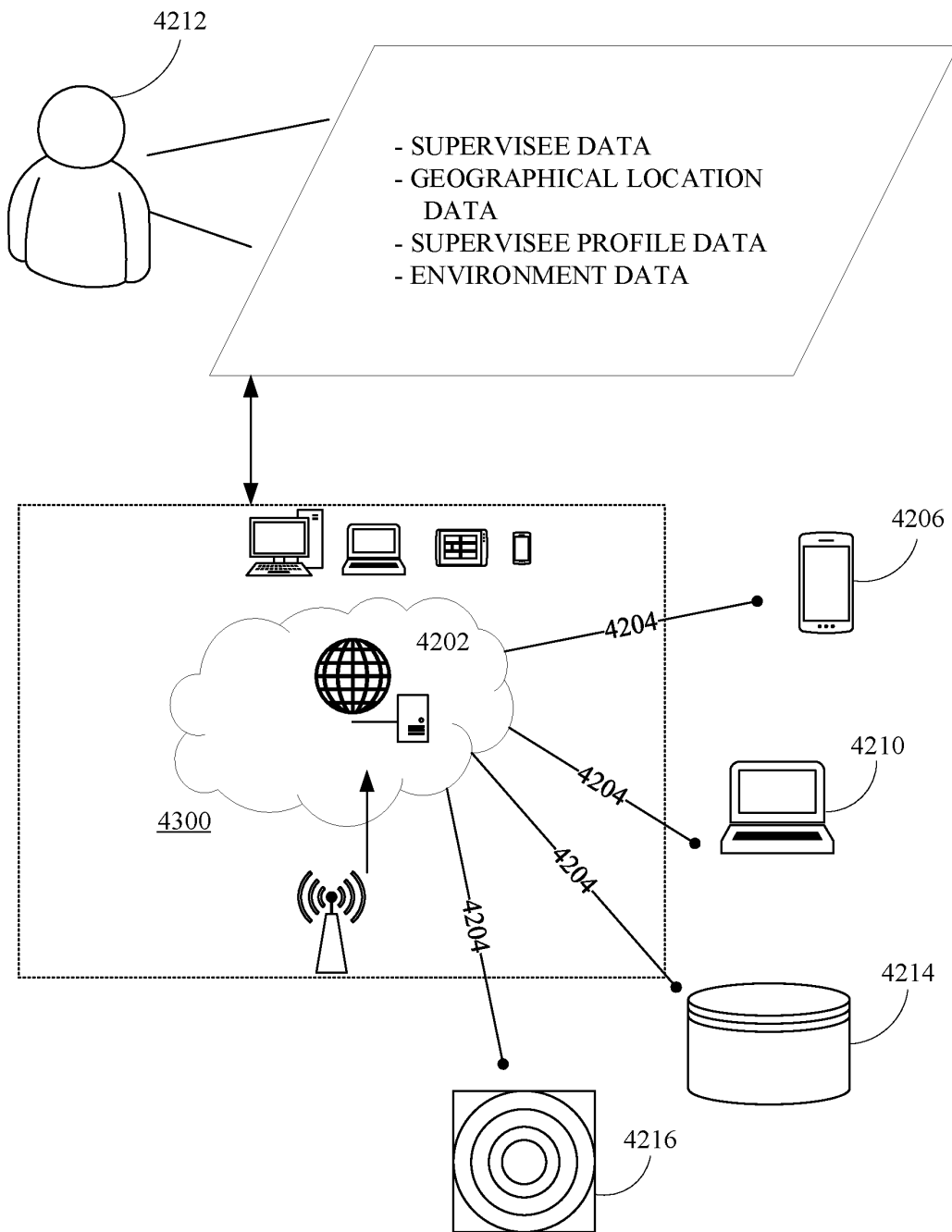


FIG. 41

**FIG. 42**

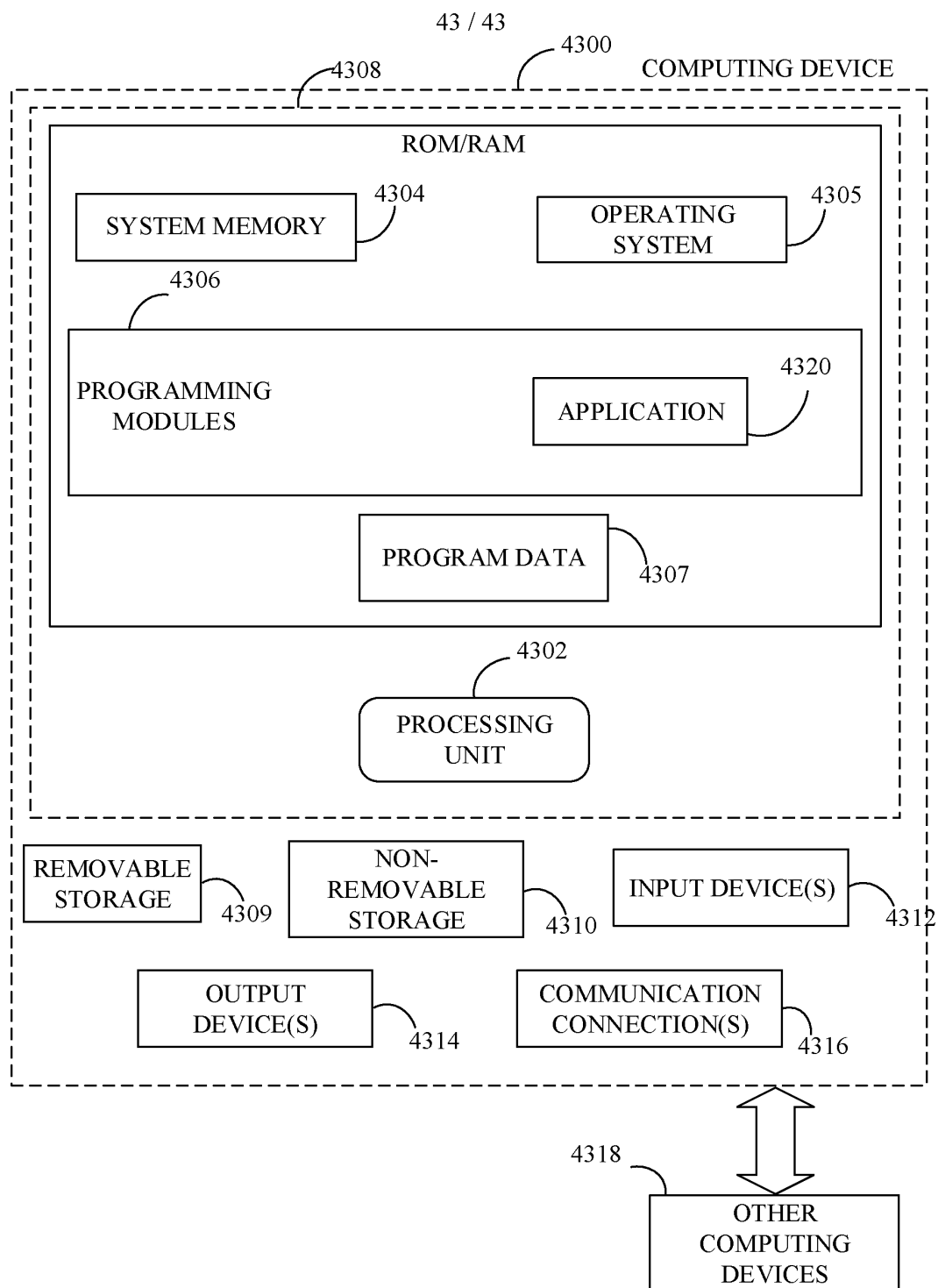


FIG. 43



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APPLICATION #
18/045,781

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TUP70980

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 # 8764

FILED BY Nicolas Fernandez

PATENT CENTER # 61055925

AUTHORIZED BY Austin Benesh

CUSTOMER # 62439

FILING DATE -

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Gary Thomas Baker Jr.

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PAYMENT METHOD
CARD / 7553

PAYMENT TRANSACTION ID
E20220AJ33061155

PAYMENT AUTHORIZED BY
Nicolas Fernandez

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
3111	UTILITY PATENT APPL. SEARCH FEE	175.00	1	175.00
3011	BASIC FILING FEE - UTILITY (PAPER FILING ALSO REQUIRES NON-ELECTRONIC FILING FEE UNDER 1.16(T))	80.00	1	80.00
3311	EXAMINATION OF ORIGINAL PATENT APPLICATION	200.00	1	200.00
3202	EACH CLAIM IN EXCESS OF 20	25.00	4	100.00
TOTAL				\$555.00

AMOUNT:

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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.

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TUP70980

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CUSTOMER # 62439

FIRST NAMED INVENTOR Gary Thomas Baker Jr.

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Austin Benesh

Documents

TOTAL DOCUMENTS: 9

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
ADS_TUP70980_2.pdf	8	Application Data Sheet	1226 KB
POA_TUP70980.pdf	2	Power of Attorney	3125 KB
PTO15_TUP70980.pdf	1	Certification of Micro Entity (Gross Income Basis)	1520 KB
specs_TUP70980.pdf	67	-	374 KB
specs_TUP70980-SPEC.pdf (1-55)	55	Specification	274 KB
specs_TUP70980-CLM.pdf (56-66)	11	Claims	103 KB

specs_TUP70980-ABST.pdf	(67-67)	1	Abstract	63 KB
Declaration_TUP70980.pdf		2	Oath or Declaration filed	2086 KB
figures_TUP70980_emb.pdf		43	Drawings-only black and white line drawings	250 KB
IDS_TUP70980.pdf		4	Information Disclosure Statement (IDS) Form (SB08)	1010 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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Declaration_TUP70980.pdf	E88D9E75C2AA85F9BB58706A4E7A31C3A587658760C3808BA 4BC53274890F88BB7911E1C22B4D0E19CB25DE136C653EA72 7E85AE97961609C9F917118C91F680
figures_TUP70980_emb.pdf	19CF28190612EFBFBFE96F4514549E6320182F4D31DA6B001C5 6EA82025965B0EC9E35FC5747FB8804A8D641996AEA5E69906 723BDA3CF47CBB81CBFCC12B0206
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New International Application Filed with the USPTO as a Receiving Office

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SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

The current application is a continuation-in-part of the U.S. Patent application serial number 16/810,703 filed on March 5, 2020. The current application also claims a priority to
5 the U.S. Provisional Patent application serial number 62/814,097 filed on March 5, 2019.

TECHNICAL FIELD

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

10

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 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,
15 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 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
20 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.).

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

5 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 intended to be used to limit the claimed subject matter's scope.

Disclosed herein is a method of facilitating supervision of individuals based on
10 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 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
15 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 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
20 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 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
5 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
10 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
15 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
20 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 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.

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.

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.

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.

5 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.

FIG. 8 is a flowchart of a method for facilitating determination of a threat in an
10 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.

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.

15 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.

FIG. 13 is a flow diagram illustrating various navigation paths with respect to user
20 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
5 embodiments.

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, in accordance with some embodiments.

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

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
15 accordance with some embodiments.

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.

FIG. 20 is a flow diagram illustrating various navigation paths with respect to user
20 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.

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.

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.

10 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.

15 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.

20 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.

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

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
10 recognition in order to verify if a user with the particular object may be an authorized user or not, in accordance with some embodiments.

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.

15 FIG. 34 is a continuation flow diagram of the method 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 embodiments.

20 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.

FIG. 38 is a flow diagram illustrating various navigation paths with respect to user
5 interfaces available for a user device, in accordance with some embodiments.

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

FIG. 40 is a flow diagram illustrating various navigation paths with respect to user
10 interfaces available to trigger the emergency scenario, in accordance with some
embodiments.

FIG. 41 is a block diagram of a system to facilitate communication between a supervisor device and a supervised user device based on geofencing, in accordance with some embodiments.

FIG. 42 is an illustration of an online platform consistent with various embodiments
15 of the present disclosure.

FIG. 43 is a block diagram of a computing device for implementing the methods disclosed herein, in accordance with some embodiments.

DETAILED DESCRIPTION

As a preliminary matter, it will readily be understood by one having ordinary skill in
20 the relevant art that the present disclosure has broad utility and application. As should be understood, any embodiment may incorporate only one or a plurality of the above-disclosed aspects of the disclosure and may further incorporate only one or a plurality of the above-disclosed features. Furthermore, any embodiment discussed and identified as being

“preferred” is considered to be part of a best mode contemplated for carrying out the embodiments of the present disclosure. Other embodiments also may be discussed for additional illustrative purposes in providing a full and enabling disclosure. Moreover, many 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 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 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. 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 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.

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.”

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 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 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.

5 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 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
10 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 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,
15 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 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.)
20 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 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 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 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, 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 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

5 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 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,

10 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 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.

15 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 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

20 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 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.

5 Overview:

The present disclosure describes systems and methods for facilitating supervision of 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
10 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 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
15 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 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
20 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), 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
5 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 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
10 where the data may pass through multiple devices instead of a storage cloud. Further, the disclosed system may be configured to switch between multiple video streams based on the location of the nearest supervisor device and the supervised user. Practically, this would allow for a supervisor to track a supervised user through multiple supervisor devices as the supervised user moves away from one device and nearer to the next, such as passing by
15 cameras positioned regularly down a street or hallway.

Further, the feature may allow sharing selected incident through “subscribed 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
20 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 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
5 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,
10 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,
15 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).

20 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).

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 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. Specific groups of recipients, such as nearby first responders or dispatchers, may be authorized to receive escalated notifications from users, and optionally, a second group of recipients may be selected to respond in case the first group cannot respond or handle the situation for any reason.

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

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
5 (gun/weapon) such that when the particular object may be identified, the system may be 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
10 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. 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
15 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.

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.
20 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.

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.

5 Further, the communication device 102 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 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
10 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
15 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
20 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
5 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
10 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. Further, the analyzing may include a facial recognition system. Further, the storage device
15 106 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 for identifying at least one object associated with the supervisee based on the analyzing of the
20 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.

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 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 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 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

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
5 least one supervisor device and the at least one supervisee device.

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
10 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
15 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
20 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.

5 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.

10 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 device, the at least one supervisee data based on the geofence.

15 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.

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 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 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.

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 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 500 may include a step of receiving, using the communication device, at least one grid parameter from the at least one supervisor device.

5 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 processing device, the grid box geofence area based on the analyzing of the at least one grid parameter.

10 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 method 600 may include a step of identifying, using the processing device, the supervisee
15 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. Further, the generating of the supervision notification may be based on the retrieving.

20 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 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
5 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 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
10 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.

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
15 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. 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.
20 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.

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.

5 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.

10 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 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
15 NFC identification.

Further, at 1002, the method 1000 may include a step of identifying, using the 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,
20 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 (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 use 1134. Further, the Edit profile 1122, in an instance, may also allow the supervisor to edit
5 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).
10 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 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,
15 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 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
20 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 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
25 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 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, 5 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 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.

10 **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 15 (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 20 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 25 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.

5 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
10 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
15 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,
20 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
25 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.

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 (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 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

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 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.

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 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, 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

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 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 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 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 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

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). 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
5 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
10 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
15 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.

20 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
25 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 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 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 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 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 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 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 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 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 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.

5 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
10 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
15 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
20 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
25 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.

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. 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.

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 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 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 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 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 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 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 sensors, etc.

5 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
10 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
15 (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,
20 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
25 (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 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 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 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 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 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 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, 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.

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 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 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). 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.

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 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 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 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 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.

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.

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

(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.

10 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, 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 (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 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
5 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”
10 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
15 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,
20 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,
25 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
5 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
10 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
15 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
20 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
25 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,
5 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:
10 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
15 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
20 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.

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
5 devices, like hard disks, solid-state storage (e.g., USB drive), or a CD-ROM, a carrier wave 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
10 embodiment, it is to be understood that many other possible modifications and variations can 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:
 - receiving, using a communication device, at least one security parameter from
5 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
15 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
 - 20 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;

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

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;

15 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,

20 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:

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

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:

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.

5 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 supervisee data; and

10 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
15 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:

20 the at least one security parameter comprises an altitude,
the at least one grid parameter comprises a building floor, and
the building floor is estimated from the altitude.

10. The method of claim 1, wherein the supervisee is associated with at least one
25 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

5 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
10 comprising:

a communication device configured for:

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

15 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;

20 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;

25 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:

5 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
10 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

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.

5 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
10 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,
15 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:
20 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:
- 5 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.
- 10 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
- 15 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
- 20 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 18, wherein:
- the at least one signal made by the supervisee comprises shaking the
- 25 supervisee device abruptly, pressing a button, or speaking a specific phrase, wherein:

the at least one sensor is configured for detecting the at least one signal,
and the supervisee device is configured to optionally make an emergency call
when the at least one sensor detects the at least one signal;
wherein a phone number dialed in the emergency call is determined based on the
geofence.

20. 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 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,
wherein the sending of the NFC identification from the at least one supervisee device
comprises Bluetooth, Zigbee, Ultra-wideband, Wi-Fi and NFC.

21. 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;

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 geographical location;

5 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
10 supervision notification; 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
15 supervisee data based on the detecting,

wherein the supervisee data comprises audio and video recordings.

22. The method of claim 21, wherein:

the supervision notification is sent to a first distinct group of one or more supervisor
20 devices correlated with the geographical location;

the first distinct group of one or more supervisor devices is comprised of nearby first responders and dispatchers; and

the supervision notification may be sent to a second distinct group of one or more supervisor devices based on the location and expertise of the second distinct group.

25

23. The method of claim 21, wherein:

the at least one sensor is selected from one or more nearby sensors based on the most proximal nearby sensor by geographical location in real-time; and

the at least one sensor tracks the supervisee as the supervisee moves between the one
5 or more nearby sensors.

24. The method of claim 21, wherein:

wherein the supervisee is associated with at least one identification, wherein the
communication device is further configured for receiving at least one NFC indication
10 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
15 notification is based on the identifying, wherein the sending of the NFC identification
from the at least one supervisee device comprises Bluetooth, Zigbee, Ultra-wideband,
Wi-Fi and NFC

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, including supervisee emergency input or nearby audio
10 and video sensor data. Further, the method may include analyzing, using the 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

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	TUP70980
		First Named Inventor	Gary Thomas Baker Jr.
		<i>COMPLETE IF KNOWN</i>	
		Application Number	
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☒ 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:	
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OR	
☐ United States Application Number or PCT International application number _____	
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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.	
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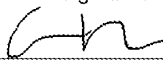
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Additional inventors are being named on the

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TUP70980
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		
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. 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.			

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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	62439		
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	TUP70980	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	TUP70980
		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	62439		

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)
	Continuation in part of	16810703	2020-03-05

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	TUP70980
		Application Number	
Title of Invention	SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING		
Prior Application Status	Expired	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
16810703	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

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 ^j (if applicable)	Remove
Additional Foreign Priority Data may be generated within this form by selecting the Add button.				Add

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	TUP70980
		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.

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	TUP70980
		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			Remove
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.				
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:				
Name of the Deceased or Legally Incapacitated Inventor:				
If the Applicant is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Applicant:				
Address 1				
Address 2				
City		State/Province		
Country		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Applicant Data may be generated within this form by selecting the Add button. 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.

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	TUP70980
		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
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country i		Postal Code		
Phone Number		Fax Number		
Email Address				
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	/Austin H Benesh/		Date (YYYY-MM-DD)	2022-10-11
First Name	Austin	Last Name	Benesh	Registration Number
				79454
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	TUP70980
		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.**

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 the Freedom of Information Act requires disclosure of these records.
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 inspections 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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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
18/045,781	10/11/2022		555	TUP70980	24	3

CONFIRMATION NO. 8764

62439

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

FILING RECEIPT



0000000050861911

Date Mailed: 11/18/2022

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 application is a CIP of 16/810,703 03/05/2020 PAT 11,468,757
which 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: 11/17/2022

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/045,781**

Projected Publication Date: 02/23/2023

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 18/045,781		
APPLICATION AS FILED - PART I								
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)	
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	80	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	175	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	200	
TOTAL CLAIMS (37 CFR 1.16(i))	24 minus 20 =	*				x 25 =	100	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x =	0	
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).						0	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0	
			TOTAL			TOTAL	455	
* If the difference in column 1 is less than zero, enter "0" in column 2.								
APPLICATION AS AMENDED - PART II								
AMENDMENT A	(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	OR OTHER THAN SMALL ENTITY
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	* Minus **	=	x =			x =	
	Independent (37 CFR 1.16(h))	* Minus ***	=	x =			x =	
	Application Size Fee (37 CFR 1.16(s))							
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
			TOTAL ADD'L FEE			TOTAL ADD'L FEE		
AMENDMENT B	(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	OR OTHER THAN SMALL ENTITY
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	* Minus **	=	x =			x =	
	Independent (37 CFR 1.16(h))	* Minus ***	=	x =			x =	
	Application Size Fee (37 CFR 1.16(s))							
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
			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	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/045,781	10/11/2022	Gary Thomas Baker JR.	TUP70980

CONFIRMATION NO. 8764

62439

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

PUBLICATION NOTICE



OC000000137452515

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

Publication No.US-2023-0056959-A1

Publication Date:02/23/2023

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 publicly 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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APPLICATION #
18/045,781

RECEIPT DATE / TIME
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ATTORNEY DOCKET #
TUP70980

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 # 8764

FILED BY HEATHER BOOKHULTZ

PATENT CENTER # 63517985

FILING DATE 10/11/2022

CUSTOMER # 62439

FIRST NAMED INVENTOR Gary Thomas Baker JR.

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Anuraj Chakraborty

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
Preliminary__amendment__18045781__jch.pdf	13	Preliminary Amendment	301 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Preliminary__amendment__18045781__jch.pdf	EA586A1C12818D03FD3B71F4067FBB8C695739E4F04F0C428565EF98BBE189EE8F86798ABD5579BE1AFF94F85A34FFEB03978CE8D736D776E4349FA6FCD9F51

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APPLICATION #
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TUP70980

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 # 8764

FILED BY HEATHER BOOKHULTZ

PATENT CENTER # 63517985

AUTHORIZED BY Anuraj Chakraborty

CUSTOMER # 62439

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CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Gary Thomas Baker JR.

Payment Information

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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.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of the first inventor:	*	
Gary Thomas Baker Jr.	*	
	*	
	*	
Serial No.: 18/045,781	*	Group Art Unit:
	*	
Filed: 10-11-2022	*	Examiner:
	*	
Title: Systems and Methods for	*	Attorney Docket No: TUP70980
Facilitating Supervision of	*	
Individuals Based on Geofencing	*	
	*	

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PRELIMINARY AMENDMENTS

Pursuant to 37 C.F.R. 1.115, Applicant hereby submits preliminary amendments. No new matter has been added by these amendments. Enclosed are,

1. A listing of claims
2. Remarks

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 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;
 - 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.

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 at least one security parameter comprises an altitude,
the at least one grid parameter comprises a building floor, and
the building floor is estimated from the altitude.

10. (Currently Amended) 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. (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, 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~~determining.

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 18, wherein:

the at least one signal made by the supervisee comprises shaking the supervisee device abruptly, pressing a button, or speaking a specific phrase, wherein:
the at least one sensor is configured for detecting the at least one signal,
and the supervisee device is configured to optionally make an emergency call when the at least one sensor detects the at least one signal;

wherein a phone number dialed in the emergency call is determined based on the geofence.

20. (Currently Amended) 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 ~~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, wherein the sending of the NFC identification from the at least one supervisee device comprises Bluetooth, Zigbee, Ultra-wideband, Wi-Fi and NFC-identifying.~~

21. (Original) 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;
 - 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 geographical location;
 - 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 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,
 - wherein the supervisee data comprises audio and video recordings.

22. (Original) The method of claim 21, wherein:

the supervision notification is sent to a first distinct group of one or more supervisor devices correlated with the geographical location;

the first distinct group of one or more supervisor devices is comprised of nearby first responders and dispatchers; and

the supervision notification may be sent to a second distinct group of one or more supervisor devices based on the location and expertise of the second distinct group.

23. (Original) The method of claim 21, wherein:

the at least one sensor is selected from one or more nearby sensors based on the most proximal nearby sensor by geographical location in real-time; and

the at least one sensor tracks the supervisee as the supervisee moves between the one or more nearby sensors.

24. (Currently Amended) The method of claim 21, wherein:

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 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, ~~wherein the sending of the NFC identification from the at least one supervisee device comprises Bluetooth, Zigbee, Ultra-wideband, Wi-Fi and NFC~~ identifying.

25. (New) The system of claim 11, wherein each geofence grid box is further characterized by:

- a) storing at least one emergency contact number associated with the geographical area represented by the grid box geofence area;
- b) wherein the emergency contact number includes a 911 service or equivalent emergency service specific to then geographical area of the grid box; and
- c) wherein the processing device is configured to automatically select and transmit supervisee data to the stored emergency contact number upon detecting an emergency situation within the corresponding grid box geofence area.

REMARKS

Status of Claims

Claims 1-24 are pending in this application.

Claim 25 is a new claim added by this amendment.

This new claim is clearly supported by the following references in the present application and consequently adds no new matter to the present application:

- *“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. Further, the at least one sensor may include an IR sensor, an image sensor, etc.”* (i.e., found in the specification on page 24, lines 16 through 21)
- *“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.”* (i.e., found in the specification on page 28, lines 10 and 11)
- *“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 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).”* (i.e., found in the specification on page 31, line 24, through page 32, line 4)
- *“The system of claim 18, wherein:*

the at least one signal made by the supervisee comprises shaking the supervisee device abruptly, pressing a button, or speaking a specific phrase, wherein:

the at least one sensor is configured for detecting the at least one signal, and the supervisee device is configured to optionally make an emergency call when the at least one sensor detects the at least one signal;

*wherein **a phone number dialed in the emergency call is determined based on the geofence.**" (i.e., found in claim 19)*

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, Applicant's Attorney of Record, to facilitate advancement of the present application.

Respectfully submitted,

12-06-2023

Date

/Anuraj Chakraborty/

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Notice of References Cited	Application/Control No. 18/045,781		Applicant(s)/Patent Under Reexamination Baker, Gary Thomas	
	Examiner MUHAMMAD ADNAN		Art Unit 2688	Page 1 of 2

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Part of Paper No. 20240126

Notice of References Cited	Application/Control No. 18/045,781		Applicant(s)/Patent Under Reexamination Baker, Gary Thomas	
	Examiner MUHAMMAD ADNAN		Art Unit 2688	Page 2 of 2

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Dates in YYYY-MM-DD 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. 20240126

<i>Search Notes</i> 	Application/Control No. 18/045,781	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	01/27/2024	MA

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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Search Notes		
Search Notes	Date	Examiner
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with text search	01/27/2024	MA
Inventor Search	01/27/2024	MA
PE2E Search	01/27/2024	MA
Google Patents Search	01/27/2024	MA

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

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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supervisee; data; geofence; analyzing; supervisor; parent child unit; tracking; Before: priority 2019-03-05;

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System and method for geo-fencing device communication

WO EP CN JP • [CN107022152A](#) • 发明人: 陈明 • 发明人: 陈明 • 发明人: 陈明 • 发明人: 陈明

Priority 2015-03-31 • Filed 2015-03-31 • Granted 2021-07-09 • Published 2021-07-09

Fig. 6 shows an example of a flight control unit according to an embodiment of the invention tracking the identity of a chip on the flight control ... The display device may include: a communication unit configured to receive geo-fence device data comprising (1) a location of at least one geo-fence ...

Authentication system and method for generating flight controls

WO EP CN JP • [CN107022153A](#) • 发明人: 陈明 • 发明人: 陈明 • 发明人: 陈明 • 发明人: 陈明

Priority 2015-03-31 • Filed 2015-03-31 • Granted 2020-11-03 • Published 2020-11-03

... flight safety of Unmanned Aerial Vehicles (UAVs). Flight control and certification systems and methods may be provided that may facilitate tracking ... the one or more processors are further to: comparing the location of the unmanned aerial vehicle relative to the location of the geofence boundary to ...

Plant and methods with an earth-boundary device hierarchy

WO EP CN JP DK • [US20190271012](#) • Ming Gong • Sz Di Technology Co Ltd

Priority 2015-03-31 • Filed 2015-03-31 • Granted 2019-02-11 • Published 2019-02-11

... guiding system, which comprises a remotely controllable flying vehicle system, a surveying instrument able to measure distance, angle, and track, and ... The display device may comprise: a communication unit configured to receive geofencing device data comprising (1) a location of at least one geo-...

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

WO EP CN JP • [JP2019044382](#) • ワン・ミン・ユフサノトディー・ジェイ・アイ・テクノロジーズ・カンパニー・リミテッド

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

... in tracking the use of the UAV. The system can uniquely identify the various parties interacting (e.g., user, remote controller, UAV, geofencing ... Aspects of the present invention provide a user with geofencing device information based on a receiver configured to receive data associated with the ...

Systems and methods for displaying geo-fencing device information

WO EP CN JP • [US20190271011](#) • Ming Gong • Sz Di Technology Co., Ltd.

Priority 2015-03-31 • Filed 2015-03-31 • Granted 2022-03-23 • Published 2022-03-23

discloses methods and systems for monitoring geofence exits using wireless access points. A mobile device can detect one or more entry gateways that ... receiving, by a receiver, data transmitted by the at least one geo-fencing device (1810, 4320a, 4320b, 4320c) and pertaining to the at least one geo-...

Authentication systems and methods for identifying authorized participants

WO EP CN JP DK • [US20190271012](#) • Ming Gong • Sz Di Technology Co Ltd

Priority 2015-03-31 • Filed 2015-03-31 • Granted 2019-03-18 • Published 2019-03-18

SUMMARY OF THE INVENTION [0005] Safety systems and methods described herein improve flight safety of unmanned aerial vehicles (UAVs). Flight control and authentication systems and methods may be provided which may aid in tracking UAV usage. The systems may uniquely identify various parties that are ...

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

US • [US20200105110A1](#) • David H. Williams • David H. Williams

Priority 2016-12-15 • Filed 2019-12-02 • Published 2020-04-02

Various embodiments include collecting, aggregating, and analyzing addict- and addiction-related data specific to that addict's condition ... The present disclosure generally relates to systems and methods for monitoring for and preempting pre-identified restriction violation-related ...

Systems and methods for monitoring for and preempting the risk of a future ...

US • [US20211222382](#) • David H. Williams • Conquer Your Addiction Ltd.

Priority 2016-12-15 • Filed 2020-11-25 • Granted 2022-06-09 • Published 2022-06-09

... security for data collected in various implementations of the present disclosure. FIG. 15 depicts an example embodiment of a method for monitoring ... wherein the system is configured to determine, project, or predict a current or future context of the at least one person at a location by analyzing ...

Flight control unit



WO 66-04 JP • JP660188082 • コン、ス・エフゼットダイージェイアイテクノロジーカンパニー リミテッド
Sx Dji Technology Co., Ltd

Priority 2015-03-31 • Filed 2015-03-31 • Granted 2021-11-05 • Published 2021-11-05

... the flight safety of unmanned aerial vehicles (UAVs). Flight control and authentication systems, and methods may be provided to assist in **tracking** the ... control unit has is operatively coupled to the front Symbol communications module, wherein if the UAV is outside a predetermined range of **geofencing** ...

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

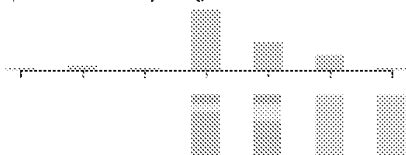
WO 66-04 JP • JP660188082 • コン、ス・エフゼットダイージェイアイテクノロジーカンパニー リミテッド
Sx Dji Technology Co., Ltd

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

... in **tracking** UAV usage. The system can uniquely identify various parties with which it is communicating (eg, user, remote controller, UAV, **geofencing** ... According to further aspects of the invention, a method for controlling a **geofencing** device may be provided. The method provides: (1) receiving **data** ...

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Relative count of top 5 values

Assignees	Inventors	CPCs
エスゼットダイージェイアイテクノロジーカンパニー リミテッド		12
エフゼットダイージェイアイテクノロジーカンパニー リミテッド Sx Dji Technology Co., Ltd		12
Sx Dji Technology Co Ltd		7
深圳大疆创新有限公司		5
Gary Thomas Baker, Jr		3

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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
L2	2	"20190252054"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2022/01/10 12:45 PM
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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
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L17	0	(15/754971).APP.	(USPAT; USOCR)	OR	OFF	OFF	2022/01/12 02:53 PM
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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
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L30	55	((child kid) SAME (lost lose kidnapp\$3 stolen	(US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	ON	2022/06/02 02:30 PM

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L35	68	L33 AND (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/01/27 04:36 PM
L36	3	*16810703"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/01/27 04:37 PM
L37	18	((US-8761803-B2 OR US-8781457-B2 OR US-7881733-B2 OR US-6265974-B1).did. AND USPT.dbnm.) OR ((US-20190130722-A1 OR US-20190279481- A1 OR US- 20110106561-A1 OR US-20130143527-A1 OR US-20110244837- A1 OR US- 20110227730-A1 OR US-20170149795-A1	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO;	OR	ON	ON	2024/01/27 05:13 PM

		OR US-20120237908-A1 OR US-20190252054-A1 OR US-20160005287-A1 OR US-20190285416-A1 OR US-20180068544-A1 OR US-20170084151-A1 OR US-20070252690-A1).did. AND PGPB.dbnm.)	JPO; DERWENT; IBM_TDB)				
L38	6	L37 AND (audio video) near5 (data information)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/27 05:14 PM
L39	1444	(kid child supervized elderly older) 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	2024/01/27 05:47 PM
L40	20	L39 AND (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/01/27 05:47 PM

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	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:08 PM

		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)					
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 (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
N11	1	((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)). cfm.	(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

PE2E SEARCH - Search History (Similarity Search)

No Similarity Results available

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)

Approved for use through 11/30/2020. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	
	First Named Inventor	Gary Thomas Baker Jr.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	TUP70980

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	1	20110106561	A1	2011-05-05	Eaton et al.	All	
	2	20130143527	A1	2013-06-06	Randazzo et al.	All	
	3	20190130722	A1	2019-05-02	Alicia Thalhofer	All	
	4	20190279481	A1	2019-09-12	Silberschatz et al.	All	
	5	20200162881	A1	2020-05-21	Saito et al.	All	
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(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Gary Thomas Baker Jr.
Art Unit	
Examiner Name	
Attorney Docket Number	TUP70980

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EXAMINER SIGNATURE

Examiner Signature	/MUHAMMAD ADNAN/	Date Considered	01/27/2024
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Gary Thomas Baker Jr.
Art Unit	
Examiner Name	
Attorney Docket Number	TUP70980

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Austin H Benesh/	Date (YYYY-MM-DD)	2022-10-11
Name/Print	Austin H Benesh	Registration Number	79454

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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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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 the Freedom of Information Act requires disclosure of these records.
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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 inspections 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.

Bibliographic Data

Application No: 18/045,781

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.
10/11/2022	340	2688	TUP70980
RULE			

APPLICANTS

INVENTORS

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

CONTINUING DATA

This application is a CIP of 16810703 03/05/2020 PAT 11468757

16810703 has PRO of 62814097 03/05/2019

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

11/17/2022

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/045,781	10/11/2022	Gary Thomas Baker JR.	TUP70980	8764
62439	7590	02/01/2024		
Sinorica LLC dba Thoughts to Paper 20251 Century Blvd Ste 140 Germantown, MD 20874			EXAMINER ADNAN, MUHAMMAD	
			ART UNIT	PAPER NUMBER
			2688	
			NOTIFICATION DATE	DELIVERY MODE
			02/01/2024	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.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 10/11/2022 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Status

Claims 1-25 are pending for examiner in this Office action.

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: “communication device configured for...” “receiving” and “transmitting”, “processing device configured for...” “analyzing”, “determining and “generating”, and “a storage device configured for storing” in claim 1; “the communication device is further configured for receiving...identifying...analyzing...and determining” in claim 12; “the processing device is further configured for: determining...and performing” in claim 13; “the processing device is further configured for identifying”, “the storage device is further configured for retrieving” in claim 14; “the processing device is further configured for: identifying...and determining” in claim 15; “the processing device is further configured for: analyzing...and determining” in claim 16; “the storage device is further configured for retrieving...and determining” in claim 17; “the communication device is further configured for receiving”, “processing device is further configured for identifying” in claim 20.

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 11-25 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 “communication device configured for...” “receiving” and “transmitting”, “processing device configured for...” “analyzing”, “determining and “generating”, and “a storage device configured for storing” in claim 1; “the communication device is further configured for receiving...identifying...analyzing...and determining” in claim 12; “the processing device is further configured for: determining...and performing” in claim 13; “the processing device is further configured for identifying”, “the storage device is further configured for retrieving” in claim 14; “the processing device is further configured for: identifying...and determining” in claim 15; “the processing device is further configured for: analyzing...and determining” in claim 16; “the storage device is further configured for retrieving...and determining” in claim 17; “the communication device is further configured for receiving”, “processing device is further configured for identifying” in claim 20 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.

The usage of the term “device” is used throughout the claims and further explained as being a “unit” in specification (page 50 as filed on 10/11/2022), however neither “device” nor “unit” are established to represent a proper structure and can be interpreted as generic placeholder(s). The term storage device is defined as being a plurality of different forms including computer readable

instructions, data structure or program modules (see e.g. page 51 of the specification) which also do not represent a structure.

The dependent claims do not cure the deficiencies of the independent claim 11.

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.

Double Patenting

Claims 1-8, 10-18 and 20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-18 of U.S. Patent No. 11,468,757. Although the claims at issue are not identical, they are not patentably distinct from each other.

Instant Application	US Patent No. 11,468,757
1. A method for facilitating supervision of individuals based on geofencing, the method comprising:	1. 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 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, 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;	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;	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;	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;	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;	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;	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:	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,	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 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 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 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;	<u>wherein the processing device is further configured for:</u> 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;	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.	and generating, using the processing device, a number of geofence grid boxes based on the determining.

Similarly, the claims of the instant application correspond to the claims of the disclosed patent as following:

2-2

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Claim 21 is rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 11,468,757 in view of Stevenson et al. (Stevenson; US 2011/0227730).

Regarding claim 21, the claimed subject matter is taught by claim 1 of the disclosed patent except the claimed “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, wherein the supervisee data comprises audio and video recordings”.

Stevenson, however teaches at least one supervisee device comprises at least one sensor (audio and/or image capture device; see e.g. para. [0030]), 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, wherein the supervisee data comprises audio and video recordings (capturing, converting and outputting data to one or more second

devices; see e.g. FIG. 2). It would have been obvious to one of ordinary skill in the art to combine the teachings of Stevenson along with those of claim 1 to arrive at the claimed invention for a purpose of improved safety and/or 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 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.

Application/Control Number: 18/045,781
Art Unit: 2688

Page 12

/MUHAMMAD ADNAN/
Primary Examiner, Art Unit 2688

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 18/045,781		Filing Date 10/11/2022		☐ 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 \$120 =						
☐ 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	06/27/2024	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(i))	* 24	Minus	** 24	= 0	x \$20 =		0		
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	x \$96 =		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		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".					/JAMES T WASHINGTON/					
*** 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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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/045,781

RECEIPT DATE / TIME
06/27/2024 03:12:33 PM Z ET

ATTORNEY DOCKET #
TUP70980

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 # 8764

FILED BY HEATHER BOOKHULTZ

PATENT CENTER # 66150660

FILING DATE 10/11/2022

CUSTOMER # 62439

FIRST NAMED INVENTOR Gary Thomas Baker JR.

CORRESPONDENCE ADDRESS -

AUTHORIZED BY COLBY MACIAS

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
OA_amendment_18045781.pdf	14	Amendment/Request for Reconsideration-After Non-Final Rejection	226 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
OA_amendment_18045781.pdf	C953B46CDB49F9A8B139B1CE2E849290873F5E470E252D8794368911542C995B90D5CDE958E889E6966E64E2DC9898F99FD405BEB25B8347985F0748C19AA7F7

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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 #
18/045,781

RECEIPT DATE / TIME
06/27/2024 03:12:33 PM Z ET

ATTORNEY DOCKET #
TUP70980

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 # 8764

FILED BY HEATHER BOOKHULTZ

PATENT CENTER # 66150660

AUTHORIZED BY COLBY MACIAS

CUSTOMER # 62439

FILING DATE 10/11/2022

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Gary Thomas Baker JR.

Payment Information

PAYMENT METHOD
CARD / 1447

PAYMENT TRANSACTION ID
E20246QF12537597

PAYMENT AUTHORIZED BY
HEATHER BOOKHULTZ

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
3252	EXTENSION FOR RESPONSE WITHIN SECOND MONTH	128.00	1	128.00
3814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
TOTAL AMOUNT:				\$298.00

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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.

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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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of the first inventor:	*	Group Art Unit: 2688
Gary Thomas Baker JR.	*	
	*	Examiner: MUHAMMAD ADNAN
	*	
Serial No: 18/045,781	*	Attorney Docket No: TUP70980
	*	
Filed: 10/11/2022	*	
	*	
Title: SYSTEMS AND METHODS FOR	*	
FACILITATING SUPERVISION	*	
OF INDIVIDUALS BASED ON	*	
GEOFENCING	*	

United States Patent and Trademark Office
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AMENDMENTS AND RESPONSES

This correspondence is responsive to the Office Action dated 02/01/2024 concerning the subject patent application. Enclosed are,

1. A listing of claims
2. Terminal Disclaimer Fee
3. 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. (Original) 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;
 - 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.

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 at least one security parameter comprises an altitude,
 - the at least one grid parameter comprises a building floor, and
 - the building floor is estimated from the altitude.
10. (Previously Presented) 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 indication corresponding to the at least one identification from the at least one supervisee device; and
 - identifying, using the processing device, the supervisee based on the at least one indication, wherein the generating of the supervision notification is based on the identifying.
11. (Previously Presented) 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, 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.

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 18, wherein:
the at least one signal made by the supervisee comprises shaking the supervisee device abruptly, pressing a button, or speaking a specific phrase, wherein:
the at least one sensor is configured for detecting the at least one signal,
and the supervisee device is configured to optionally make an emergency call when the at least one sensor detects the at least one signal;
wherein a phone number dialed in the emergency call is determined based on the geofence.
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 indication corresponding to the at least one 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 indication, wherein the generating of the supervision notification is based on the identifying.

21. (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;
 - 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 geographical location;
 - 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 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,
 - wherein the supervisee data comprises audio and video ~~recordings~~ recordings;
 - wherein the at least one sensor is selected from one or more nearby sensors based on the most proximal nearby sensor by geographical location in real-time; and
 - wherein the at least one sensor tracks the supervisee as the supervisee moves between the one or more nearby sensors.

22. (Original) The method of claim 21, wherein:

the supervision notification is sent to a first distinct group of one or more supervisor devices correlated with the geographical location;

the first distinct group of one or more supervisor devices is comprised of nearby first responders and dispatchers; and

the supervision notification may be sent to a second distinct group of one or more supervisor devices based on the location and expertise of the second distinct group.

23. (Cancelled)

24. (Previously Presented) The method of claim 21, wherein:

wherein the supervisee is associated with at least one identification, wherein the communication device is further configured for receiving at least one indication corresponding to the at least one 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 indication, wherein the generating of the supervision notification is based on the identifying.

25. (Previously Presented) The system of claim 11, wherein each geofence grid box is further characterized by:

- a) storing at least one emergency contact number associated with the geographical area represented by the grid box geofence area;
- b) wherein the emergency contact number includes a 911 service or equivalent emergency service specific to then geographical area of the grid box; and
- c) wherein the processing device is configured to automatically select and transmit supervisee data to the stored emergency contact number upon detecting an emergency situation within the corresponding grid box geofence area.

REMARKS**Status of Claims**

Claims 1-22 and 24-25 are pending in this application.

Claim 23 is cancelled.

Claim Rejections – 35 U.S.C. 112

Claims 11-25 are rejected under 35 U.S.C. 112(b) as being indefinite. Claims 1, 12-17, 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.

Double Patenting

Claims 1-8, 10-18, and 20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-18 of US11468757.

The Applicant submits the terminal disclaimer submitted on June 26, 2024 to overcome the rejections.

Claim 21 is rejected on the ground of non-statutory double patenting as being unpatentable over claim 1 of US11468757 in view of Stevenson (US20110227730A1)

The Applicant submits the terminal disclaimer submitted on June 26, 2024 to overcome the rejection. In addition, in view of the cited prior art, the Applicant respectfully traverses the rejection with the following arguments.

The cited prior art, Stevenson, teaches a system and apparatus for locating and surveillance of persons and/or surroundings. The system comprises the steps of (1) receiving a safety device alert activation notification, (2) determining a user profile associated with the safety device, and (3) determining an alert level based on the safety device activation notification, wherein the determination is one of a first and second level. In further embodiments, the method further includes the steps of determining the presence of a first alert level, retrieving a contact lists associated with the user profile, and initiating contact with at least one contact from the contact list. If a determination is made that the first-level emergency criteria is not met, the method further includes sending an alarm-cancel message. Conversely, if a determination is made that the first-level emergency criteria is met, the method further includes: determining a first safety device location, selecting a first set of alert targets based on the first safety device location, generating a message for an alert target

in the first set, and sending the alert message to at least one alert target in the first set. Alternatively, the same alert message above can be sent to a second set of alert targets.

Stevenson at least fails to disclose the following limitations in claim 21 of the present invention.

“the at least one sensor tracks the supervisee as the supervisee moves between the one or more nearby sensors”

The system disclosed in Stevenson utilizes a built-in sensor in the supervisee’s device, capable of detecting a signal from the supervisee [0030]. Further, a monitor center functions as the supervisor, which is capable of monitoring the supervisee’s location and sending communications to the supervisee [0037]. In one embodiment, the supervisee device can also identify sensors from other devices (e.g., smartphones) that are in close proximity to the supervisee [0050]. The supervisor is then alerted, and the location of the nearby smartphones can be used to geolocate the missing supervisee [0052].

However, the capabilities of Stevenson are limited to merely (1) **identifying** other sensors in close proximity to the supervisee and (2) sending out alerts (e.g., Amber alerts) to other nearby users and/or calling a specific user and notifying them of the missing supervisee [0051].

In contrast, the present invention is not only capable of identifying other nearby sensors but is also capable of autonomously **controlling** said nearby sensors, such that each sensor can be commanded to track the physical movements of the supervisee in real-time “as the supervisee moves between the one or more nearby sensors.” More specifically, “the disclosed system may be configured to switch between multiple video streams based on the location of the nearest supervisor device and the supervised user. Practically, this would allow for a supervisor to track a supervised user through multiple supervisor devices as the supervised user moves away from one device and nearer to the next, such as passing by cameras positioned regularly down a street or hallway” (spec, lines 10-15, page 18).

Since neither US11468757 nor Stevenson disclose the above referenced limitation of the claimed invention, the present application should be considered novel and non-obvious over the prior art.

The Examiner is respectfully requested to provide a *prima facie* evidence for such a rejection. A *prima facie* case of unpatentability can only be established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

In view of the amendments and remarks, 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, Applicant's Attorney of Record, to facilitate advancement of the present application.

Respectfully submitted,

6/26/2024

Date

/ Colby Macias /

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**UNITED STATES
PATENT AND TRADEMARK OFFICE**

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

APPROVAL LETTER

APPLICATION #
18/045,781

FILING DATE
10/11/2022

APPLICANT/PATENT UNDER REEXAMINATION
Gary Baker

Title of Invention

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON
GEOFENCING

Electronic terminal disclaimer filed on 06/27/2024

☒ Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved



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TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR PATENT

APPLICATION #
18045781

FILING DATE
10/11/2022

FIRST NAMED INVENTOR
Gary Baker

ATTORNEY DOCKET #
TUP70980

Title of Invention

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON
GEOFENCING



Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding
Office Action



This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent interest
Gary Thomas Baker Jr.	100%
Total	100%

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number(s)

Application #	Filing Date
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as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent

granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

Patent #

11468757

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:

- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.



I certify, in accordance with 37 CFR 1.4(d)(4) that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above identified application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I certify, in accordance with 37 CFR 1.4(d)(4) that I am: An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Signature	Name	Registration #
/Colby Macias/	COLBY MACIAS	76516

* Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner). Form PTO/SB/96 may be used for making this certification. See MPEP 324.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/045,781

RECEIPT DATE / TIME
06/27/2024 04:06:29 PM Z ET

ATTORNEY DOCKET #
TUP70980

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 # 8764

FILED BY COLBY MACIAS

PATENT CENTER # 66152123

FILING DATE 10/11/2022

CUSTOMER # 62439

FIRST NAMED INVENTOR Gary Thomas Baker JR.

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	3	Terminal Disclaimer-Filed (Electronic)	48 KB
microentityform.pdf	1	Certification of Micro Entity (Gross Income Basis)	25 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic- Approved	19 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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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.

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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CERTIFICATION OF MICRO ENTITY STATUS (GROSS INCOME BASIS)

APPLICATION #
18045781

PATENT #

FIRST NAMED INVENTOR
Gary Baker

Title of Invention

**SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON
GEOFENCING**

The applicant hereby certifies the following -

- (1) **SMALL ENTITY REQUIREMENT** - The applicant qualifies as a small entity as defined in 37 CFR 1.27.
- (2) **APPLICATION FILING LIMIT** - Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or 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 1.429(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.
- (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 website 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.
- (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 website 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.

Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am an attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application.

Signature	Name	Registration #	Date
/Colby Macias/	Colby Macias	---	06/27/2024

Notice of References Cited	Application/Control No. 18/045,781		Applicant(s)/Patent Under Reexamination Baker, Gary Thomas	
	Examiner MUHAMMAD ADNAN		Art Unit 2688	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-10249166-B1	2019-04-02	Carter; Michael	G08B6/00	1/1
*	B	US-20150356861-A1	2015-12-10	Daoura; Daniel	G08B21/0277	340/539.13
*	C	US-20050280546-A1	2005-12-22	Ganley, Christine	G08B13/1427	340/539.23
*	D	US-10796548-B2	2020-10-06	Adoni Mohammed; Ghouse	G08B21/0277	1/1
*	E	US-11315404-B1	2022-04-26	Greer; Brian A.	G08B21/0291	1/1
*	F	US-11727779-B1	2023-08-15	Butler; Beatrice	G08B21/0286	340/539.15
*	G	US-9747770-B1	2017-08-29	Bartlett; Albertha	G08B25/016	1/1
*	H	US-10460583-B1	2019-10-29	Brantner; Michael	G08B21/0258	1/1
	I					
	J					
	K					
	L					
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	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 YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office
PTO-892 (Rev. 11-2023)

Notice of References Cited

Part of Paper No. 20240712

<i>Search Notes</i> 	Application/Control No. 18/045,781	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	01/27/2024	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.

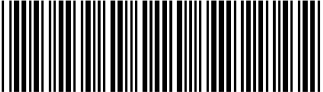
Search Notes		
Search Notes	Date	Examiner
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with text search	01/27/2024	MA
Inventor Search	01/27/2024	MA
PE2E Search	01/27/2024	MA
Google Patents Search	01/27/2024	MA
Updated Search	07/12/2024	MA

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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<i>Search Notes</i> 	Application/Control No. 18/045,781	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	07/12/2024	MA
H04W	12/009	07/12/2024	MA

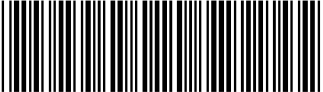
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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Issue Classification 	Application/Control No. 18/045,781	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

CPC						
Symbol					Type	Version
G08B	/	21	/	22	F	2013-01-01
G08B	/	21	/	0202	I	2013-01-01
G08B	/	13	/	1645	I	2013-01-01
H04W	/	64	/	003	I	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
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NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	25	
/MUHAMMAD ADNAN/	12 July 2024	O.G. Print Claim(s)	O.G. Print Figure
Primary Examiner, Art Unit 2688	(Date)	1	2

Issue Classification 	Application/Control No. 18/045,781	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

INTERNATIONAL CLASSIFICATION			
CLAIMED			
G08B21/22	/	21	/ 22
G08B21/02	/	21	/ 02
H04W64/00	/	64	/ 00
NON-CLAIMED			
G08B13/16	/	13	/ 16

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
340	539.13

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	25	
/MUHAMMAD ADNAN/	12 July 2024	O.G. Print Claim(s)	O.G. Print Figure
Primary Examiner, Art Unit 2688	(Date)	1	2

Issue Classification 	Application/Control No. 18/045,781	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
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2	2	11	11	20	20										
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8	8	17	17												
9	9	18	18												

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 25	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688 (Primary Examiner) _____ (Date) 12 July 2024		O.G. Print Claim(s) 1	O.G. Print Figure 2

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
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L2	2	"20190252054"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2022/01/10 12:45 PM
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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L5	0	L3 and H04W12/009.cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2022/01/10 01:04 PM
L6	9	L3 and H04W12/\$.cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2022/01/10 01:04 PM
L7	1	(15/192619).APP.	(USPAT; USOCR)	OR	OFF	OFF	2022/01/10 02:09 PM
L8	194	("20030033582" "20030233447" "20040021567" "20040156326" "20040180648" "20050015612" "20050043036" "20050043037" "20050130633" "20060099940" "20060148490" "20060293057" "20070026850" "20070072553" "20070150918" "20080005325" "20080020803" "20080276311" "20080300967" "20090002147" "20090011779" "20090047973" "20090064314" "20090075651" "20090131038" "20090135730" "20090149205" "20090171577" "20090215387" "20090215465" "20090215466" "20090254656" "20090275281" "20090298505" "20090312038" "20100014497" "20100087194" "20100197351" "20100223673" "20100248640" "20100291907" "20110034179" "20110034242" "20110045811"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/10 02:09 PM

		"20110167342"					
		"20110219080"					
		"20110227730"					
		"20110292938"					
		"20120005582"					
		"20120023548"					
		"20120028624"					
		"20120084349"					
		"20120094696"					
		"20120135705"					
		"20120311673"					
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		"20130040604"					
		"20130061260"					
		"20130097261"					
		"20130104246"					
		"20130124192"					
		"20130157655"					
		"20130178151"					
		"20130263001"					
		"20130281071"					
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		"20130305384"					
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		"20140096180"					
		"20140136607"					
		"20140180438"					
		"20140214668"					
		"20140256305"					
		"20140280944"					
		"20140310403"					
		"20140359124"					
		"20150032887"					
		"20150050922"					
		"20150111555"					
		"20150169853"					
		"20150180746"					
		"20150249584"					
		"20150288802"					
		"20150317465"					
		"20160294962"					
		"6353778" "6795856"					
		"7046139" "7110753"					
		"7206569" "7231218"					
		"7280816" "7302272"					
		"7397365"					
		"7493651") PN OR					
		("7516219" "7594019"					
		"7643834" "7720463"					
		"7739707" "7801512"					
		"7809797" "7970388"					
		"7996005" "8000695"					
		"8005913" "8027662"					
		"8079044" "8095124"					
		"8107670" "8116726"					
		"8131763" "8190754"					
		"8204494" "8204649"					

		"8225380" "8229669" "8248223" "8265618" "8280438" "8285264" "8290515" "8307029" "8347362" "8353050" "8355737" "8358846" "8359044" "8380176" "8412191" "8413217" "8418223" "8434126" "8437771" "8443436" "8478734" "8490176" "8538458" "8548244" "8548443" "8548492" "8565820" "8566407" "8571538" "8583112" "8595336" "8611928" "8640190" "8699998" "8712429" "8718633" "8725109" "8744417" "8781457" "8793207" "8831624" "8838077" "8843953" "8868741" "8880107" "8885803" "8892084" "8918840" "8918901" "8923810" "8949928" "9043455" "9043462" "9043826" "9043928" "9049305" "9060004" "9069458" "9071958" "9076020" "9078043" "9088861" "9113497" "9143530" "9148762" "9154901" "9172705" "9203647" "9203845" "9204193" "9245098" "9247294" ("9485206").PN. OR ("10237280").URPN.					
L9	9	L8 and (outside) near10 (preset predetermined predefined defined) near10 (area radius region zone)	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/10 02:12 PM
L10	6	G08B21/02\$.cpc. and (outside) near10 (preset predetermined predefined defined) near10 (area radius region zone) near10 rule	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/10 02:15 PM
L11	100	("20020177928" "20030163685" "20040071136" "20040176083" "20050255874" "20060046706" "20060099940")	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/10 02:28 PM

		"20060148490"					
		"20060240860"					
		"20060293057"					
		"20070032225"					
		"20070050250"					
		"20070055415"					
		"20070115113"					
		"20080299900"					
		"20090055187"					
		"20090085728"					
		"20090098855"					
		"20090098880"					
		"20090149168"					
		"20090215466"					
		"20090251282"					
		"20090253423"					
		"20090312038"					
		"20100022255"					
		"20100035588"					
		"20100041383"					
		"20100062788"					
		"20100197351"					
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		"20100227605"					
		"20100281126"					
		"20100295946"					
		"20100311336"					
		"20110009107"					
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		"20110136480"					
		"20110136509"					
		"20110151838"					
		"20110151842"					
		"20110151852"					
		"20110195699"					
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		"20110219080"					
		"20110223939"					
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		"20110244837"					
		"20110264246"					
		"20110269441"					
		"20110320960"					
		"20120021717"					
		"20120028624"					
		"20120040665"					
		"20120058744"					
		"6301338" "6687497"					

		"6922571" "7221928" "7302272" "7460064" "7856203" "7869792" "7873369" "7876205" "8116726" "8438285").PN. OR ("8781457").URPN.					
L12	1	(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 wam\$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
L21	11	(US-20190252054-\$ or	(US-PGPUB; USPAT)	OR	OFF	OFF	2022/01/12

		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.					05:00 PM
L22	3	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 wam\$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 wam\$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	(US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	ON	2022/06/02 02:30 PM

		steal\$3) near20 (determin\$5 sens\$3 detect\$5 monitor\$5) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3)).clm.	DERWENT)				
L31	100	((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
L32	106	((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	2024/01/27 04:35 PM
L33	1826	((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))	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/01/27 04:36 PM
L34	202	((("BAKER") near3 ("Gary"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2024/01/27 04:36 PM
L35	68	L33 AND (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/01/27 04:36 PM
L36	3	*16810703"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/01/27 04:37 PM
L37	18	((US-8761803-B2 OR US-8781457-B2 OR US-7881733-B2 OR US-6265974-B1).did. AND USPT.dbnm.) OR ((US-20190130722-A1 OR US-20190279481- A1 OR US- 20110106561-A1 OR US-20130143527-A1 OR US-20110244837- A1 OR US- 20110227730-A1 OR US-20170149795-A1	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO;	OR	ON	ON	2024/01/27 05:13 PM

		OR US-20120237908-A1 OR US-20190252054-A1 OR US-20160005287-A1 OR US-20190285416-A1 OR US-20180068544-A1 OR US-20170084151-A1 OR US-20070252690-A1).did. AND PGPB.dbnm.)	JPO; DERWENT; IBM_TDB)				
L38	6	L37 AND (audio video) near5 (data information)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/27 05:14 PM
L39	1444	(kid child supervized elderly older) 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	2024/01/27 05:47 PM
L40	20	L39 AND (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/01/27 05:47 PM
L41	0	(15/776017).APP.	(USPAT; USOCR)	OR	ON	ON	2024/07/12 05:25 PM
L42	2359	((kid child supervized elderly older) SAME (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3) SAME (zone region geo\$2fenc\$3 radius) SAME (cross\$3 outside) SAME (alert\$3 warn\$3 notify\$3 notification))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	OR	ON	ON	2024/07/12 07:41 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L43	5	L42 AND (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/07/12 07:41 PM
L44	22	("5617074" "5900817" "5995007" "6271757" "6888464" "7012522" "7511627" "7696887" "8321124" "20040046658" "20050280546" "20100267361" "20150109126" "20150356861").pn. OR ("9747770").urpn. AND (PGPB USPT USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/07/12 07:43 PM

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)	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/02 02:03 PM

		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.					
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 wam\$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 wam\$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 wam\$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 (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
N11	1	((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
N15	39	((kid child supervized elderly older) 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)	OR	ON	ON	2024/07/12 05:24 PM
N16	10	N15 AND (G08B21/02\$ H04W12/00\$).cpc	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 05:24 PM

N17	8	((kid child supervized elderly older) SAME (environment rain shower thunder water drown\$3 lost) SAME (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3) SAME (zone region geo\$1fence)) .clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 05:27 PM
N18	8	((kid child supervized elderly older) SAME (environment rain shower thunder water drown\$3 lost) SAME (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3) SAME (zone region geo\$1fence circle radius)) .clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 05:27 PM
N19	0	((kid child supervized elderly older) SAME (environment rain shower thunder water drown\$3) SAME (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3) SAME (zone region geo\$2fenc\$3 radius) SAME (cross\$3 outside) SAME (alert\$3 warn\$3 notify\$3 notification)) .clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 07:39 PM
N20	8	((kid child supervized elderly older) SAME (environment rain shower thunder water drown\$3) SAME (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3) SAME (zone region geo\$2fenc\$3 radius) SAME (alert\$3 warn\$3 notify\$3 notification)) .clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 07:39 PM
N21	6	((kid child supervized elderly older) SAME (environment rain shower thunder water	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 07:39 PM

		drown\$3) SAME (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3) SAME (cross\$3 outside) SAME (alert\$3 warn\$3 notify\$3 notification)).clm.					
N22	5	((kid child supervized elderly older) SAME (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3) SAME (zone region geo\$2fenc\$3 radius) SAME (cross\$3 outside) SAME (alert\$3 warn\$3 notify\$3 notification)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 07:40 PM
N23	11	((kid child supervized elderly older) AND (sens\$3 detection monitor) SAME (alert\$3 warn\$3 notify\$3 notification alarm\$3) SAME (zone region geo\$2fenc\$3 radius) SAME (cross\$3 outside)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 07:42 PM
N24	2	N23 AND (G08B21/0261 G08B21/0208 G08B21/0255 H04W12/009).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/07/12 07:43 PM

PE2E SEARCH - Search History (Similarity Search)

No Similarity Results available

Bibliographic Data

Application No: 18/045,781

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.
10/11/2022	340	2688	TUP70980
RULE			

APPLICANTS

INVENTORS

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

CONTINUING DATA

This application is a CIP of 16810703 03/05/2020 PAT 11468757

16810703 has PRO of 62814097 03/05/2019

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

11/17/2022

** 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

\$555



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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NOTICE OF ALLOWANCE AND FEE(S) DUE

62439 7590 07/22/2024
Sinorica LLC dba Thoughts to Paper
20251 Century Blvd Ste 140
Germantown, MD 20874

EXAMINER

ADNAN, MUHAMMAD

ART UNIT

PAPER NUMBER

2688

DATE MAILED: 07/22/2024

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/045,781	10/11/2022	Gary Thomas Baker JR.	TUP70980	8764

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	\$240	\$0.00	\$0.00	\$240	10/22/2024

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 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted 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.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 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 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

62439 7590 07/22/2024
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20251 Century Blvd 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 the USPTO patent electronic filing system 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.
18/045,781	10/11/2022	Gary Thomas Baker JR.	TUP70980	8764

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	\$240	\$0.00	\$0.00	\$240	10/22/2024

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,

(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.

1 _____

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)

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via the USPTO patent electronic filing system ☐ 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 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.

NOTE: Checking this box will be taken to be 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 _____

Date _____

Typed or printed name _____

Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/045,781	10/11/2022	Gary Thomas Baker JR.	TUP70980	8764
62439	7590	07/22/2024	EXAMINER	
Sinorica LLC dba Thoughts to Paper			ADNAN, MUHAMMAD	
20251 Century Blvd Ste 140			ART UNIT	
Germantown, MD 20874			PAPER NUMBER	
			2688	
DATE MAILED: 07/22/2024				

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. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).

<https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to:

- 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
- 2) a federal, state, local, or international agency, in response to its request;
- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) 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));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 18/045,781	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 06/27/2024.
☐ 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 1-25 . 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.

Terminal Disclaimer

The terminal disclaimer filed on 06/27/2024 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Patent No. 11,468,757 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Reasons for Allowance

Claims 1-25 are allowed.

The following is an examiner's statement of reasons for allowance.

Regarding claim 1, the prior art of record fail to explicitly or implicitly teach the claimed 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; 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.”

Claims 2-25 are as well for at least comprising claim subject matter which is the same or similar in scope of claim 1.

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>Search Notes</i> 	Application/Control No. 18/045,781	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	01/27/2024	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.

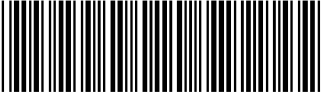
Search Notes		
Search Notes	Date	Examiner
G08B21/0261; G08B21/0208; G08B21/0255; H04W12/009 combined with text search	01/27/2024	MA
Inventor Search	01/27/2024	MA
PE2E Search	01/27/2024	MA
Google Patents Search	01/27/2024	MA
Updated Search	07/12/2024	MA

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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<i>Search Notes</i> 	Application/Control No. 18/045,781	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	07/12/2024	MA
H04W	12/009	07/12/2024	MA

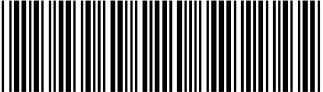
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
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Issue Classification 	Application/Control No. 18/045,781	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

CPC						
Symbol					Type	Version
G08B	/	21	/	22	F	2013-01-01
G08B	/	21	/	0202	I	2013-01-01
G08B	/	13	/	1645	I	2013-01-01
H04W	/	64	/	003	I	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/		/		

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 24	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688 (Primary Examiner) _____ (Date) 05 August 2024		O.G. Print Claim(s) 1	O.G. Print Figure 2

Issue Classification 	Application/Control No. 18/045,781	Applicant(s)/Patent Under Reexamination Baker, Gary Thomas
	Examiner MUHAMMAD ADNAN	Art Unit 2688

INTERNATIONAL CLASSIFICATION			
CLAIMED			
G08B21/22	/	21	/ 22
G08B21/02	/	21	/ 02
H04W64/00	/	64	/ 00
NON-CLAIMED			
G08B13/16	/	13	/ 16

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
340	539.13

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 24	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688 (Primary Examiner) _____ (Date) _____		05 August 2024 O.G. Print Claim(s) 1	O.G. Print Figure 2

Issue Classification 	Application/Control No. 18/045,781	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	10	10	19	19										
2	2	11	11	20	20										
3	3	12	12	22	21										
4	4	13	13	23	22										
5	5	14	14	-	23										
6	6	15	15	24	24										
7	7	16	16	21	25										
8	8	17	17												
9	9	18	18												

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 24	
/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688 (Primary Examiner) _____ (Date) 05 August 2024		O.G. Print Claim(s) 1	O.G. Print Figure 2



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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	
			NOTIFICATION DATE	DELIVERY MODE
			08/08/2024	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. 18/045,781	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 06/27/2024.
☐ 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 1-22 and 24-25 . 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 _____.
---	--

/MUHAMMAD ADNAN/ Primary Examiner, Art Unit 2688	
---	--

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.

Terminal Disclaimer

The terminal disclaimer filed on 06/27/2024 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Patent No. 11,468,757 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Reasons for Allowance

Claims 1-22 and 24-25 are allowed.

The following is an examiner's statement of reasons for allowance.

Regarding claim 1, the prior art of record fail to explicitly or implicitly teach the claimed 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; 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.”

Claims 2-25 are as well for at least comprising claim subject matter which is the same or similar in scope of claim 1.

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



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/045,781

RECEIPT DATE / TIME
10/22/2024 04:55:56 PM Z ET

ATTORNEY DOCKET #
TUP70980

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 #	8764	FILED BY	HEATHER BOOKHULTZ
PATENT CENTER #	67675572	FILING DATE	10/11/2022
CUSTOMER #	62439	FIRST NAMED INVENTOR	Gary Thomas Baker JR.
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	COLBY MACIAS

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
ptol85b_Allowance_emb.pdf	2	Issue Fee Payment (PTO-85B)	239 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
ptol85b_Allowance_emb.pdf	AA3A28C950FFDB47A5B4058CB52FD1E7BF2D70B6017E6746 E47356F922046EF95746E636BC2A7A5598C0BDD3740EA542A DE4A7C6F56A4633F15A6502F024A2D2

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.

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 # 18/045,781	RECEIPT DATE / TIME 10/22/2024 04:55:56 PM Z ET	ATTORNEY DOCKET # TUP70980
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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 #	8764	FILED BY	HEATHER BOOKHULTZ
PATENT CENTER #	67675572	AUTHORIZED BY	COLBY MACIAS
CUSTOMER #	62439	FILING DATE	10/11/2022
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Gary Thomas Baker JR.

Payment Information

PAYMENT METHOD CARD / 1447	PAYMENT TRANSACTION ID E20240LG56166497	PAYMENT AUTHORIZED BY HEATHER BOOKHULTZ
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FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
3501	UTILITY ISSUE FEE	240.00	1	240.00
TOTAL AMOUNT:				\$240.00

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.

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.

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 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. Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.

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	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO
18/045,781	10/11/2022	Gary Thomas Baker JR.	TUP70980	8764

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	\$240	\$0.00	\$0.00	\$240	10/22/2024

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/ALA/47 or 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,
- (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.
- (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 ☐ Government4a. Fees Submitted: ☒ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment (Please first reapply any previously paid fee shown above):

- ☒ Electronic Payment via Patent Center or 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.
- ☐ 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 as a notification of loss of entitlement to micro entity 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 /Colby Macias/

Date 10/22/2024

Typed or printed name Colby Macias

Registration No. 76516

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.



UNITED STATES
PATENT AND TRADEMARK OFFICE

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

GRANT LETTER

APPLICATION #	FILING DATE	ATTORNEY DOCKET #	FIRST NAMED INVENTOR
18/045,781	10/11/2022	TUP70980	Gary Baker

Title of Invention

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON GEOFENCING

In re Application of DECISION ON REQUEST TO WITHDRAW AS ATTORNEY/AGENT OF RECORD

DECISION DATE 10/28/2024

This is an electronic decision on the Request to Withdraw as attorney or agent of record under 37 CFR 1.36(b), filed October 28, 2024

The request is **APPROVED**.

The request was signed by COLBY MACIAS (registration # 76516) on behalf of all attorneys/agents associated with Customer Number 062439. All attorneys/agents associated with Customer Number 062439 have been withdrawn.

Since there are no remaining attorneys of record, all future communications from the Office will be directed the first named inventor or assignee that has properly made itself of record pursuant to 37 CFR 3.71 (for applications filed before September 16, 2012) or the applicant (for applications filed on or after September 16, 2012) with correspondence address:

Gary Thomas Baker

11131 Carriage Lake Dr
Houston, TX 77065
UNITED STATES

As a reminder, requester is required to inform the first name inventor or assignee that has properly made itself of record pursuant to 37 CFR 3.71 (for applications filed before September 16, 2012) or the applicant (for applications filed on or after September 16, 2012) of the electronically processed petition.

Telephone inquiries concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197

Office of Petitions



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION # 18/045,781	RECEIPT DATE / TIME 10/28/2024 01:38:38 AM Z ET	ATTORNEY DOCKET # TUP70980
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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 #	8764	FILED BY	COLBY MACIAS
PATENT CENTER #	67735755	FILING DATE	10/11/2022
CUSTOMER #	-	FIRST NAMED INVENTOR	Gary Thomas Baker JR.
CORRESPONDENCE ADDRESS	Gary Thomas Baker, - 11131 Carriage Lake Dr, - Houston, TEXAS 77065 UNITED STATES	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request_sb83.pdf	2	ePetition Request Form	35 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request_sb83.pdf	D871594AC58C6D7C0763C51E9CAAAD02EA7E6146259617861 33CA58C04AE62AED0E783A9550153CB1ADA6DCE44AA058BF 1875CD9104D258E30DF2F1EF773ACFC

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.

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

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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.



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

PETITION REQUEST FOR WITHDRAW AS ATTORNEY OR AGENT AND CHANGE OF CORRESPONDENCE ADDRESS

APPLICATION #
18045781

ATTORNEY DOCKET #
TUP70980

FILING DATE
10/11/2022

Title of Invention

SYSTEMS AND METHODS FOR FACILITATING SUPERVISION OF INDIVIDUALS BASED ON
GEOFENCING

Application Information

CONFIRMATION # **8764**

FILING DATE **10/11/2022**

ART UNIT **2688**

FIRST NAMED INVENTOR **Gary Baker**

EXAMINER **MUHAMMAD ADNAN**

ePetition Information

Please withdraw me as attorney or agent for the above identified patent application and all the practitioners of record associated with the Customer Number 062439

Certifications



I/We have given reasonable notice to the client prior to the expiration of the response period, that the practitioner(s) intend to withdraw from the employment



I/We have delivered to the client or a duly authorized representative of the client all papers and property (including funds) to which the client is entitled



I/We have notified the client of any responses that may be due and the timeframe within which the client must respond

Reason for withdrawal

11.116(b)(1) - Withdrawal can be accomplished without material adverse effect on the interests of the client

Correspondence Address

Gary Thomas Baker
11131 Carriage Lake Dr
Houston, TX 77065
UNITED STATES

Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:
Authorized to sign on behalf of myself and all withdrawing practitioners

Signature	Name	Registration #
/Colby Macias/	COLBY MACIAS	76516



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/045,781	11/26/2024	12154421	TUP70980	8764

7590
Gary Thomas Baker
11131 Carriage Lake Dr
Houston, TX 77065

11/06/2024

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at <https://certifiedcopycenter.uspto.gov/index.html>. The Certified Copy Center may be reached at (800)972-6382.

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 0 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 Center (<https://patentcenter.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.

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7590 Gary Thomas Baker 11131 Carriage Lake Dr Houston, TX 77065			EXAMINER ADNAN, MUHAMMAD	
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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.

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/045,781	26-Nov-2024	12154421

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EGRANT NOTIFICATION

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