IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Darrell Diem

Art Unit: 2689

Application No: 14/629,336

Examiner: MOHAMED BARAKAT

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PATENT & TRADEMARK OFFICE

For: System and Method for Conveying Event Information Based on Varying Levels of Administrative Privilege under Multiple Levels of Access Controls

RESPONSE TO NON-FINAL OFFICE ACTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Non-final Office Action (Action) dated **January 04, 2016**, please amend the above-identified U.S. patent application as follows:

Amendments to the claims begin on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

AMENDMENTS TO THE CLAIMS

1. (Cancelled).

2. (Currently Amended) A tracking system comprising:

one or more servers capable of communicating object location information to a group comprising a plurality of users having user IDs, said group having a group ID, said group being one of a plurality of groups each having corresponding group ID~~s~~ and user IDs, said object location information relating to a plurality of mobile objects having object IDs, wherein a first object ID of a first mobile object of said plurality of mobile objects is associated with a first location information source that provides a first location information corresponding to first coordinates of said first mobile object within a first coordinate system, and wherein a second object ID of a second mobile object of said plurality of mobile objects is associated with a second location information source that provides a second location information corresponding to second coordinates of said second mobile object within a second coordinate system, said second coordinates being relative to said first coordinates <u>based on proximity of the first mobile object to the second mobile object</u>**,** the one or more servers being configured to:

define first level administrative privileges to control user membership in said group;

define second level administrative privileges to control conveyance of said object location information to said group;

check the first level administrative privileges before associating a user ID with a group ID of said group;

check the second level administrative privileges before associating said first object ID and said second object ID with said group ID of said group;

provide one or more interfaces for setting at least one of a zone, an event, or an alert;

receive a request to set a zone;

receive a request to set an event based upon said zone and said object location information;

receive a request to set an alert based upon said event, said alert being associated with an access privilege, said request identifying said group as being the recipient of said alert;

check the second level administrative privileges before setting said zone, said event, and said alert;

store said zone, said event and said alert in one or more databases;

receive object IDs and object location information;

compare said object IDs and said object location information with said zone and said event to determine whether to send said alert to said group; and

cause the alert to be sent to said group based said access privilege.

3. (Previously Presented) The tracking system of claim 2, wherein said second location information corresponds to said second mobile object being within a determined proximity of said first mobile object.

4. (Previously Presented) The tracking system of claim 2, wherein said first location information source comprises a GPS location information source that provides the first mobile object's GPS location and said second location information source comprises a proximity location information source that determines the second mobile object's proximity to the first mobile object's GPS location.

5. (Previously Presented) The tracking system of claim 4, wherein said proximity location information source comprises near field communications.

6. (Previously Presented) The tracking system of claim 4, wherein said proximity location information source comprises Bluetooth.

7. (Previously Presented) The tracking system of claim 4, wherein said proximity is determined based on RF signal strength.

8. (Previously Presented) The tracking system of claim 2, wherein said alert comprises said object location information.

9. (Currently Amended) A system for tracking vehicles comprising:

one or more servers capable of communicating object location information to a group comprising a plurality of users having user IDs, said group having a group ID, said group being one of a plurality of groups each having a corresponding group ID~~s~~ and user IDs, said object location information relating to a plurality of vehicles having vehicle IDs, said plurality of vehicles being driven by a plurality of drivers carrying tags associated with driver IDs, each vehicle of said plurality of vehicles being associated with a GPS location information source that provides a GPS location and each tag being associated with a proximity location information source that determines proximity of said tag to said GPS location**,** the one or more servers being configured to:

define first level administrative privileges to control user membership in said group;

define second level administrative privileges to control conveyance of said object location information to said group;

check the first level administrative privileges before associating a user ID with a group ID of said group;

check the second level administrative privileges before associating a driver ID and a vehicle ID with the group ID of the group;

provide one or more interfaces for setting at least one of a zone, an event, or an alert;

receive a request to set a zone;

receive a request to set an event based upon said zone and said object location information;

receive a request to set an alert based upon said event, said alert being associated with an access privilege, said request identifying said group as being the recipient of said alert;

check the second level administrative privileges before setting said zone, said event, and said alert;

store said zone, said event and said alert in one or more databases;

receive object IDs and object location information;

compare said object IDs and said object location information with said zone and said event to determine whether to send said alert to said group; and

cause the alert to be sent to said group based said access privilege.

10. (Previously Presented) The tracking system of claim 9, wherein said proximity location information source comprises near field communications.

11. (Previously Presented) The tracking system of claim 9, wherein said proximity location information source comprises Bluetooth.

12. (Previously Presented) The tracking system of claim 9, wherein said proximity is based on RF signal strength.

13. (Previously Presented) A tracking system comprising:

one or more servers capable of communicating object location information related to a plurality of first mobile objects having first object IDs and a plurality of second fixed or mobile objects having second object IDs, wherein a first object ID of a first mobile object of said plurality of mobile objects is associated with a first location information source that provides a first location corresponding to first coordinates of said first mobile object within a first coordinate system, and wherein a second object ID of a second fixed or mobile object of said plurality of fixed or mobile objects is associated with a second location information source that provides a second location corresponding to second coordinates of said second fixed or mobile object within a second coordinate system, said second coordinates being relative to said first coordinates based on range or proximity, the one or more servers configured to:

define first level administrative privileges to control membership of users in a group of a plurality of groups, each group having a corresponding group ID;

define second level administrative privileges to control conveyance of said object location information to said group;

check the first level administrative privileges before associating a user ID with a group ID of said group;

check the second level administrative privileges before associating a first object ID and a second object ID with the group ID of said group;

provide one or more interfaces for setting zone, event, or alert for the group;

receive a request to set a zone for the group;

receive a request to set an event for the group based upon said zone and said object location information;

receive a request to set an alert for the group, said request identifying said group as being the recipient of said alert;

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