Claims

We claim:

1) A wearable device for transmitting an alert, wherein the wearable device comprises:

- a trigger to initiate a situation;
- a coupling device to couple the trigger to a notification system (202) to notify the situation to a set of persons in a user network, wherein the notification system comprises:
- a user registration module (204) configured to register a user, at least one guardian and the set of persons in the user network, wherein the set of persons are added from a contact list of the user or a contact list of the guardian or a combination thereof;
- a ranking module (206) configured to generate a dependability score for each of the set of persons, wherein the dependability score is generated based on user interactions;
- a receiver module (208) configured to receive and extract data related to the situation;
- a dynamic location determination module (210) configured to determine the current geo-location of the user, the guardian and the set of persons;
- a trusted person determination module (212) coupled to the user registration module (204), the ranking module (206) and the dynamic location determination module (210), configured to determine a first group of trusted persons whose current geo-location is within a predefined range and having the dependability score above a predefined value;
- an alert transmitting module (214) coupled to the trusted person determination module (212) to transmit a first message to the first group of trusted persons and the guardian;

wherein the trusted person determination module (212) further generates a second group of trusted persons after a time lapse, based on the current geo-location of the user and the second group of trusted persons and having the dependability score above a predefined value wherein the notification system (202) further comprises a response monitoring module (216) coupled to the alert transmitting module (214) to receive at least one response from the first group of trusted persons and the second group of trusted persons, upon receiving the response a second message is transmitted to the first group of trusted person, or the second group of trusted person and the guardian, wherein when the user initiates a situation, the current geo-location of the user and the trusted person who has given an affirmative response to help the user are displayed to the at least one guardian, and wherein selection of trusted persons is done based on their dependability score,

proximity to the current geo-location of the user who has initiated a situation and time required to reach the location of the user who has initiated the situation.

2) The device as claimed in claim 1, wherein the contact list includes at least one of a contact list of mobile phone, a friends list of social network sites or any other third-party applications.

3) A method for creating a user network and transmitting an alert, said method comprises the steps of:

- creating the user network of set of persons and guardians for a user, wherein the set of persons are added from a contact list of the user or a contact list of the guardian or a combination thereof;
- generating a dependability score for each of the set of persons;
- initiating a situation using a trigger;
- receiving data related to the initiated situation;
- determining a first group of trusted persons whose current geo-location is within a predefined range and having the dependability score above a predefined value;
- transmitting a first message to the first group of trusted persons and the guardian.

generating a second group of trusted persons after a time lapse based on the current geo-location of the user and the second group of trusted persons and having the dependability score above a predefined value;

receiving at least one response from the first group of trusted persons and the second group of trusted persons, upon receiving the response a second message is transmitted to the first group of trusted person, or the second group of trusted person and the guardian, wherein when the user initiates a situation, the current geo-location of the user and the trusted person who has given an affirmative response to help the user are displayed to the at least one guardian, and wherein selection of trusted persons is done based on their dependability score, proximity to the current geo-location of the user who has initiated a situation and time required to reach the location of the user who has initiated the situation.

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Claims

We claim:

1) A wearable device for transmitting an alert, wherein the wearable device comprises:

- a trigger to initiate a situation;

- a coupling device to couple the trigger to a notification system (202) to notify the situation to a set of persons in a user network, wherein the notification system comprises:

- a user registration module (204) configured to register a user, at least one guardian and the set of persons in the user network, wherein the set of persons are added from a contact list of the user or a contact list of the guardian or a combination thereof;

- a ranking module (206) configured to generate a dependability score for each of the set of persons, wherein the dependability score is generated based on user interactions;

- a receiver module (208) configured to receive and extract data related to the situation;

- a dynamic location determination module (210) configured to determine the current geo-location of the user, the guardian and the set of persons;

- a trusted person determination module (212) coupled to the user registration module (204), the ranking module (206) and the dynamic location determination module (210), configured to determine a first group of trusted persons whose current geo-location is within a predefined range and having the dependability score above a predefined value, and wherein the predefined range is automatically changed if the trusted person determination module (212) does not determine any first group of trusted persons whose current geo-location is within the predefined range;

- an alert transmitting module (214) coupled to the trusted person determination module (212) to transmit a first message to the first group of trusted persons and the guardian;

wherein the trusted person determination module (212) further generates a second group of trusted persons after a time lapse, based on the current geo-location of the user and the second group of trusted persons and having the dependability score above a predefined value wherein the notification system (202) further comprises a response monitoring module (216) coupled to the alert transmitting module (214) to receive at least one response from the first group of trusted persons and the second group of trusted persons, upon receiving the response a second message is transmitted to the first group of trusted person, or the second group of trusted person and the guardian, wherein when the user initiates a situation, the current geo-location of the user and the trusted person who has given an affirmative response to help the

user are displayed to the at least one guardian, and wherein selection of trusted persons is done based on their dependability score, proximity to the current geo-location of the user who has initiated a situation and time required to reach the location of the user who has initiated the situation, wherein the user registration module is configured to access social networking sites of the user for generating the dependability score for each contact of the user with respect to the user for selection of the trusted persons, and wherein the dependability score for each of the contact in the contact list is determined based on analysis of interaction of the user including at least one of call log interaction, message and textual data exchange, with the each of the contact in the contact list social networking sites of the user, and wherein the situation is resolved when the trusted person has reached the users geo-location confirms that the user is safe.

2) A method for creating a user network and transmitting an alert, said method comprises the steps of:

- creating the user network of set of persons and guardians for a user, wherein the set of persons are added from a contact list of the user or a contact list of the guardian or a combination thereof;

- generating a dependability score for each of the set of persons;

- initiating a situation using a trigger;

- receiving data related to the initiated situation;

- determining a first group of trusted persons whose current geo-location is within a predefined range and having the dependability score above a predefined value, and wherein the predefined range is automatically changed if no first group of trusted persons whose current geo-location is within the predefined range is determined;

- transmitting a first message to the first group of trusted persons and the guardian;

- generating a second group of trusted persons after a time lapse based on the current geo-location of the user and the second group of trusted persons and having the dependability score above a predefined value;

- receiving at least one response from the first group of trusted persons and the second group of trusted persons, upon receiving the response a second message is transmitted to the first group of trusted person, or the second group of trusted person and the guardian, wherein when the user initiates a situation, the current geo-location of the user and the trusted person who has given an affirmative response to help the user are displayed to the at least one guardian, and wherein selection of trusted persons is done based on their dependability score,

proximity to the current geo-location of the user who has initiated a situation and time required to reach the location of the user who has initiated the situation; and

- accessing social networking sites of the user for generating the dependability score for each contact of the user with respect to the user for selection of the trusted persons, and wherein the dependability score for each of the contact in the contact list is determined based on analysis of interaction of the user including at least one of call log interaction, message and textual data exchange, with the each of the contact in the contact list social networking sites of the user.