

Title (en)

METHOD AND WEARABLE ELECTRONIC DEVICE FOR RESCUING A PERSON IN DISTRESS

Title (de)

VERFAHREN UND TRAGBARE ELEKTRONISCHE VORRICHTUNG ZUR RETTUNG EINER PERSON IN NOT

Title (fr)

PROCÉDÉ ET DISPOSITIF ÉLECTRONIQUE POUVANT ÊTRE PORTÉ POUR SAUVER UNE PERSONNE EN DÉTRESSE

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Application

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Abstract (en)

[origin: WO2021209921A1] The invention relates to a method for rescuing a person in distress, comprising equipping at least a first person with a first wearable electronic device (10a) and a second person with a second wearable electronic device (10b), referred hereafter as the person in distress and the rescuer respectively, each wearable device comprising a processing unit (12a), a memory (12b), a Global Navigation Satellite System-GNSS receiver (16), a Low Power Wide Area Network (LPWAN) transmitter/receiver (14), an antenna (15) adapted to emit and receive a signal through the LPWAN and to receive a signal from the GNSS, a user interface (20) for inputting a distress signal, and a display unit (26) for displaying the location of a person in distress, wherein the processing unit (12a) is configured to execute a software stored in the memory (12b) of the wearable electronic device to turn the electronic device from a standby mode either into a tracking mode for locating and finding a person in distress or into an SOS mode for sending SOS signals. The method further comprises the steps of: a. turning the first wearable device (10a) by the person in distress through its user interface (20) from a standby mode into an SOS mode; b. obtaining the GNSS coordinates of the first wearable electronic device (10a) worn by the person in distress; emitting from the first wearable electronic device (10a), through the LPWAN, one or more SOS signals at a given constant emission power until a first SOS signal is picked up by the second wearable electronic device (10b) worn by the rescuer, and d. processing, by the processing unit (12a) of the second wearable electronic device (10b), at several time intervals, SOS signals sent by the first wearable electronic device and current GNSS coordinates of the second wearable electronic device (10b) to provide guiding information on the display (26) of said second wearable electronic device (10b) as a function of the location of the person in distress and the rescuer as the rescuer moves towards the person in distress.

IPC 8 full level

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