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## Patent Search

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### Abstract:

OVER THE AIR SURVEILLANCE AND SECURITY SYSTEM AND METHOD THEREOF ABSTRACT An over the air surveillance and security system (100) is disclosed. The system comprising: an unmanned air vehicle (102). The unmanned air vehicle (102) comprising propellers (106a-106d) driven using motors (108a-108d). A camera (112) adapted to capture visuals of a person of interest while on surveillance. A control unit (118) is configured to: receive a SOS data packet from a user device (124), wherein the SOS data packet comprises a destination location of the person of interest; map a route from a source location to the destination location; activate the electronic speed controller (110) to drive the propellers (106a-106d); actuate a flight controller (120) to initiate a flight of the unmanned air vehicle (102) on the mapped route; and enable the camera (112) for capturing/recording of the person of interest at the destination location. Claims: 10, Figures: 9 Figure 1A is selected.

Complete Specification

Description:BACKGROUND

Field of Invention

[001] Embodiments of the present invention generally relate to a drone and particularly to an over the air surveillance and security system.

Description of Related Art

[002] Personal safety, particularly in public spaces, has been a long-standing concern across the globe. Over the years, various personal safety measures have been developed to address this issue. These include mobile safety applications that allow users to send Save Our Soul (SOS) alerts, real-time location sharing, and emergency contact notifications. Additionally, personal safety devices such as alarms, pepper sprays, and wearable safety gadgets have been introduced to empower individuals to protect themselves in threatening situations.

[003] Mobile applications like bSafe, SafeTrek, and Noonlight offer emergency features, enabling users to alert authorities or trusted contacts when they feel unsafe. Similarly, wearable devices like smart jewelry and wristbands equipped with panic buttons and GPS tracking provide discreet ways to seek help during emergencies. Solutions, such as community safety platforms like Nextdoor's "Neighbors" feature, facilitate the reporting of incidents and request assistance from nearby members.

[004] Moreover, public safety initiatives, including the installation of emergency call boxes and increased police patrols, have been implemented in various cities to enhance safety in public spaces. Despite these efforts, many existing solutions have limitations. Several existing solutions often rely on individual action, which places a burden of safety on the user. Additionally, issues such as limited accessibility, privacy concerns, and inadequate law enforcement integration have hindered the effectiveness of these solutions in fully addressing safety needs of the individuals.

View Application Status



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