

ABSTRACT

SYSTEM AND METHOD FOR SOUND BASED SURVEILLANCE

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A system and method to detect an event by analysing sound signals received from a plurality of configured sensors. The sensors can be fixed or mobile and sensor activity is tracked in a sensor map. The frame analyzer of the system compares sound signals received from the sensors and applies knowledge data to determine if any deviation observed can be determined
10 to be an uncharacteristic event. A rule data set comprising priority data, type of event, location is applied to the output of the frame analyser to determine if the uncharacteristic sound observed is an event. On detection of an event, alerts are issued to appropriate authority. Further, sound frame and contextual data associated with the event are stored to serve as continuous learning for the system.

15 <To be published with Figure 2>