

We Claim:

1. A portable snake detection and warning device (100), said device (100) comprising:
a set of sensors (104) configured to sense in real time one or more signals from a pre-defined
5 proximity of the device (100);
a control unit (108) operatively coupled to the set of sensors (104), the control unit (108)
comprising one or more processors coupled to a memory, the memory storing instructions
executable by the processor to:
extract one or more parameters pertaining to frequency and intensity of the sensed one or more
10 signals, wherein the extracted one or more parameters are associated with the sensed one or
more signals; and
classify the sensed one or more signals by matching the extracted one or more parameters with
a pre-loaded dataset comprising a set of intensities and frequencies of one or more sound
signals associated with snakes; and
15 generate an alert signal based on positive matching of the extracted one or more parameters
and the pre-loaded dataset; wherein the generated alert signal is indicative of detection of the
snake in the pre-defined close proximity of the device (100); and
an alert unit (106) operatively coupled with the control unit (108), to generate any or a
combination of an audio and a visual alert based on the generated alert signal, and, wherein the
20 alert unit (106) comprises a vibration unit to generate a vibrating alert based on the generated
alert signal.
2. The device (100) as claimed in claim 1, wherein the set of sensors (104) comprises a
microphone coupled with a resonating device to enable sensing of the one or more signals in a
frequency range of 10 Hz to 1 KHz, and wherein the resonating device comprises vibrating
25 plates configured to enable sensing of frequencies less than 80 hertz and classifying one or
more parameters pertaining to frequency and intensity of the sensed one or more signals.
3. The device (100) as claimed in claim 1, wherein the device (100) comprises an illumination
unit (102) to illuminate the area in close proximity of the device (100).

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