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(54) Title of the invention : A DOOR MOUNTED DEVICE WITH ULTRASONIC SENSOR TO WARD OFF INSECTS

<p>(51) International classification :G01N0029440000, H04N0007180000, A61B0005110000, A61B0005000000, A61B0005024000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Graphic Era Hill University, Dehradun.</b> Address of Applicant :Bell Road, Clement Town Dehradun, Uttarakhand, 248002, India Dehradun ----- <b>2)Graphic Era Hill University, Haldwani.</b> <b>3)Graphic Era Deemed To be University, Dehradun</b> <b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)Dr. Indrajeet</b> Address of Applicant :Assistant Professor, Graphic Era Hill University, Bell Road, Clement Town Dehradun Dehradun ----- <b>2)Dr. Manish Bisht</b> Address of Applicant :Professor, Graphic Era Hill University, Haldwani Haldwani ----- <b>3)Dr. Vijay Singh</b> Address of Applicant :Assistant Professor, Graphic Era Deemed To Be University, Bell Road, Clement Town Dehradun Dehradun -----</p>
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(57) Abstract :

The present disclosure provides a door mounted device (100) to ward off insects. The device (100) includes a body (102) to be mounted at door of a premise, an image acquisition unit (104) attached to the body to acquire an image of a pre-defined area, an ultrasonic sensor (106) attached to the body, to emit a high-frequency sound, and a processing unit (108). The processing unit (108) is configured to detect type of insects by analysing the received image, and correspondingly ultrasonic sensor emits the high-frequency sound to ward off the detected insects from the pre-defined area.

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