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(54) Title: AN OVITRAP AND METHOD OF CONTROLLING VECTOR BORNE DISEASE

FIG 9A

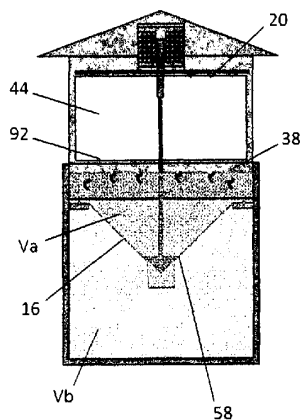


FIG 9B

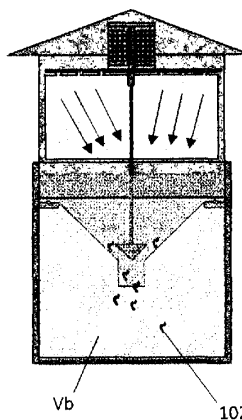
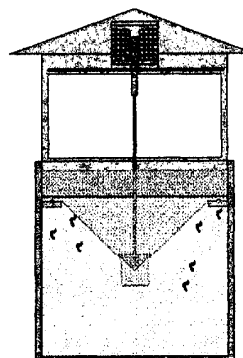


FIG 9C



(57) Abstract: The present invention relates to an ovitrap (10) and novel method of controlling mosquito populations comprising the use of light (20) to create a photo stimulus, causing mosquito larvae (102) to move from a location (Va), where gravid mosquitoes have deposited their eggs, in a direction away from the light, to a location (Vb), where they are trapped and killed. The ovitrap utilises this behaviour to more effectively capture and kill larvae. The ovitrap comprises a container (12), a cover (14), and a means (16) for dividing the container (12) into two regions (101; 102), which in use are filled with water, and which communicate via an opening (26) such that a volume (Vb) below the means (16) defines a larvae (102) trapping region, and a volume (Va) above the means (16) defines an egg (101) receiving region. A light source (20) is mounted above the container (12) and is positioned to direct light downwards at a water surface (92), such that when the light is turned on, it creates a photo stimulus, and the larvae (102) respond by moving in a direction away from the light, from the volume above (Va) into the volume below (Vb) via opening (26). A gating mechanism (18) opens and closes the opening (26) when the light is respectively turned on and off, such that the larvae are trapped in the volume below

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