

Title (en)  
INSECT CONTROL APPARATUS AND METHOD

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM BEKÄMPFEN VON INSEKTEN

Title (fr)  
APPAREIL ANTI-INSECTES ET METHODE CORRESPONDANTE

Publication  
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Application  
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Abstract (en)  
[origin: WO9944417A2] A method and apparatus for attracting insects, especially black flies, sand flies and mosquitoes, in which the physical effects associated with the skin areas of prey-animals are simulated. Basic elements of a first embodiment of the apparatus include warmed elastic-walled holders of pulsed fluid which may be in the form of elastic tubing through which warm fluid flows in pulses arranged to produce various physical effects. Power for fluid heating and pulsing action may be provided by solar electrical, mechanical, nuclear, chemical or other source. Basic elements of a second embodiment of the apparatus include a weak spring (78) suspended from a support (80) and coupled to a vibration generator. The spring (78) includes a deformable skin-like membrane therearound. Vibration is imparted to the spring and transmitted to the membrane to produce physical effects associated with movement of a skin surface of a prey animal. A heater (74) may also be provided to heat the skin-like surface. A still further embodiment includes an exciter and a traveling wave transmitting member. The exciter is moved relative to the traveling wave transmitting member to impart a traveling wave therein to attract insects to the apparatus. Killing of insects or collection of live or dead insects may be accomplished by trapping or execution electrically, mechanically, or chemically. In a preferred embodiment, the wave transmitting member and collector/killer element are combined into an integral unit. This unit may be removed and replaced as necessary.

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