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(57) Abstract :

A wearable mosquito repellent device, comprising a band having a strap 1 designed in a manner to perfectly fits on a user's wrist, a frequency sensor 2 for installed in the band for generating a relative signal upon detecting presence of mosquitoes nearby the user, a microcontroller connected with the sensor for receiving the signal and generates a command incase presence of the detected mosquitoes exceeds a threshold limit, an ultrasonic emitter 3 for emitting ultrasonic sound upon receiving the command in order to repel the mosquitoes away from the user, multiple nozzles 4 mounted on the band for dispensing a solution in nearby area of the user in order to kill the mosquitoes, and a container 5 in association with a pump 7 for transferring the solution from the container 5 to the nozzles 4 via a hose 6 for killing the mosquitoes.

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