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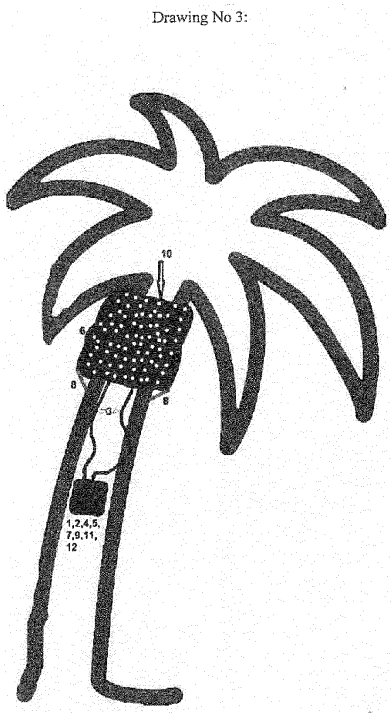
(54) **DEVICE FOR THE PREVENTION OF PALM TREE INSECT INFESTATION USING ELECTRIC CURRENT AND ATTRACTANTS**

(57) The device for the prevention of palm tree insect infestation using electric current and attractants prevents insects that infest palm trees from depositing their eggs and exterminates them, resulting in the reduction of the area's insect population. It consists of a waterproof box (7) which contains internally a rechargeable battery (1), a processor (4), a transformer (5) and a transceiver with SIM card (9) and externally a solar panel (2), rain sensors (11) and temperature humidity sensors (12), of a protective cover (6) of the palm tree with attached pheromone evaporators (10) and of insulated power cables (3) and a binding and fastening system (8) to the palm tree. The palm tree is pruned and cleared. The protective cover is suspended on the palm tree and attached by ropes. The solar panel and the device's box are placed under the foliage but yet on a sunlit point. When an insect attempts to pass through the holes of the protective cover in order to lay its eggs in the palm tree, the electric circuit will close and current will pass through the insect and it will exterminate it or will cause significant damage to it. The device transmits data to the user via SIM card regarding its performed discharges or any problems in its operation.

Drawing No 3:



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