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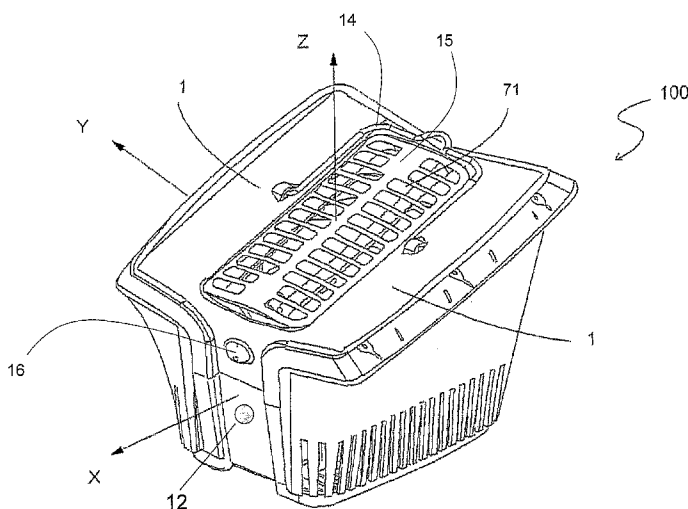
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(54) Title: DEVICES FOR TRAPPING INSECTS

Insect ComboTrap



(57) Abstract: The present invention discloses trapping devices for biting (e.g. mosquitoes, sand flies, black flies, and biting midges) and nuisance flies (e.g. houseflies, filth flies, and fruit flies). The outdoor solution for biting flies includes a solar panel, a housing, a bag, and a ventilator located in the housing. The ventilator creates a capture zone having an airflow toward the bag. A CO₂ generator, chemical attractants, a heat source, and a UV light attract mosquitoes to the capture zone. The chemical attractants are released continuously, the CO₂ is released in pulses, and the ventilator and UV are operated in independent programmable intervals. The device is efficient in energy consumption and CO₂ production. Other trapping devices are disclosed having a combination of insect-attracting mechanisms including a ventilator. Novel insect zappers including a ventilator are disclosed as well. Indoor and outdoor solutions for insects including biting and nuisance flies.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL07/00631

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A01M 1/02(2006.01),1/04(2006.01),1/06(2006.01),1/08(2006.01),1/22(2006.01)

USPC: 43/107,112,113,139

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 43/107, 112, 113, 139

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,020,270 A (LO) 04 June 1991 (04.06.1991), see entire document.	1, 2, 4, 5, 7
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Y		1-7
Y	US 6,655,080 B2 (SPIRO et al) 02 December 2003 (02.12.2003), see entire document.	1-7
Y	US 6,055,766 A (NOLEN et al) 02 May 2000 (02.05.2000), see entire document.	1-7
Y	US 5,255,468 A (CHESHIRE, JR.) 26 October 1993 (26.10.1993), see entire document.	6
X	US 6,134,826 A (MAH) 24 October 2000 (24.10.2000), see entire document.	8-16
X	US 3,319,374 A (GAWNE) 16 May 1967 (16.10.1967), see entire document.	8-16



Further documents are listed in the continuation of Box C.



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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,530,172 B2 (LENZ) 11 March 2003 (11.03.2003), see entire document.	17-25
Y	US 6,854,208 B1 (CHUANG et al) 15 February 2005 (15.02.2005), see entire document.	17-25