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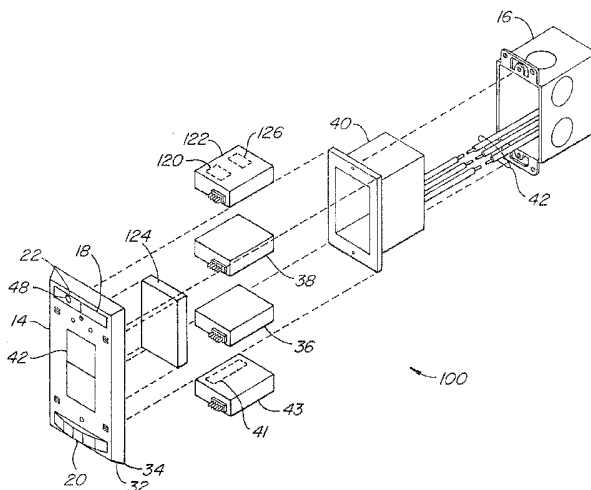
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTELLIGENT SENSORY PLATFORM FOR WIRELESS TWO-WAY SENSORY SURVEILLANCE



(57) Abstract: A intelligent surveillance platform is provided with wireless two-way sensory surveillance in environments wherein the entire surveillance unit and its supporting structure fit within a standard light switch junction box and otherwise also functions as a light switch. The platform serves as a sensory 'edge-of-network' subsystem for use with a local controller, a central data center engine, and a central viewing platform. The edge-of-network sensory element includes sensors, intelligence and transceivers housed in a wall enclosure under a modified light switch faceplate that incorporates a built-in antenna. The sensors may include an embedded camera, microphone, passive infrared heat detector and odor detector. The intelligence includes memory and logic controller. The transceiver has two-way audio and at least one video channel for broadcast. Light switch wiring supplies power to the device, obviating the need for any specialist installation. A re-chargeable battery device built into the unit enables the device to operate maintenance free without the need to replace any parts over the expected life of the battery.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/23591

A. CLASSIFICATION OF SUBJECT MATTER

IPC: H01J 40/14 (2006.01)

USPC: 250/239

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. : 250/239, 221, 214R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,386,210 A (LEE) 31 January 1995 (31.01.1995), see entire document.	1-11
A	US 5,745,035 A (DEYO) 28 April 1998 (28.04.1998), see entire document.	1-11



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15 May 2006 (15.05.2006)

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PCT/US05/23591

Continuation of B. FIELDS SEARCHED Item 3:

US-PGPUB, USPAT, USOCR, EPO, JPO, DERWENT, IBM_TDB, EAST

Search Terms: ((detect or detecting or sensing or determine or determining) near6 (motion or movement or heat)) near58 ((light or switch or switching or electrical) near3 (boxes\$2 or enclosure\$2 or outlet\$2))