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(54) Title: SELF-POWERED RECHARGEABLE SMOKE/CARBON MONOXIDE DETECTOR

(57) Abstract: A rechargeable smoke and carbon monoxide detector is provided. The base of the detector has a battery formed therein that is charged when connected to a power source, such as a 110-volt light bulb socket. The detector is further configured to receive a 110-volt light bulb so as to not eliminate the use of the light socket as a light source. Additionally, the detector may include one or more warning devices such as an ionization or photoelectric sensor, speaker, or light source. A power indicator LED, a smoke indicator LED, and a carbon monoxide indicator LED all provide visual notification that the detector is functioning properly.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC: G08B 17/10(2006.01) USPC: 340/628,629,630,632 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. : 340/628, 629, 630, 632 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) EAST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,696,967 B1 (Rutter et al) 24 Feb 2004 (24.02.2004) see entire doc	1-7
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Y		8-20
Y	US 6,323,780 B1 (Morris) 27 Nov 2001 (27.11.2001) see entire doc	1-20
Y	US 4,937,562 (Kaminaka et al) 26 June 1990 (26.06.1990) see entire doc	1-20
Y	US 6,753,786 B1 (Apperson et al) 22 June 2004 (22.06.2004) see entire doc	1-20
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