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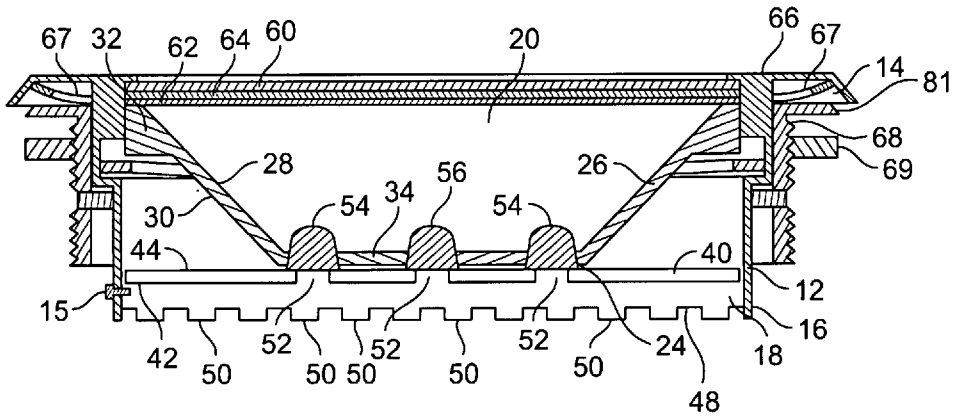
(54) Title: LED DOME LIGHT



(57) Abstract: A lighting fixture for providing illumination comprising a housing, a printed circuit board, and a plurality LEDs connected to the printed circuit board. Optionally an emergency LED may also be included. A heat sink is connected to the housing and printed circuit board. Each of the plurality of the LEDs is mounted on the heat sink. A reflector is disposed inside the housing such that the light from the LEDs is mixed together and projected out of the illumination end of the housing by the surface of the reflector. The lighting fixture is received into a mounting flange assembly. A method for providing illumination using the above.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 07/20464

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - F21V 7/00; F21V 15/01; F21V 17/00 (2008.01)
USPC - 362/341, 365, 455
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)
IPC(8): F21V 7/00; F21V 15/01; F21V 17/00 (2008.01)
USPC: 362/341, 365, 455

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
IPC(8): F21V 7/00; F21V 15/01; F21V 17/00 (2008.01) (text search)
USPC: 362/327, 341, 362, 365, 382, 268, 335, 455 (text search)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST(USPT,PGPB,EPAB,JPAB); Internet search via Google Web and Google Scholar search engines. Search Terms: reflector reflective reflection reflect LED OLED light emitting diode solid state light emitting lambertian lambert bertain microprocessor microcontroller computer CPU processor ring collar flange laterally side

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2005/0174791 A1 (BYNUM et al.) 11 August 2005 (11.08.2005) para. [0001] through [0038], Fig. 1-9	1 and 3-6 --- 2 and 7-21
Y	US 7,070,310 B2 (POND et al.) 04 July 2006 (04.07.2006) col. 1 ln. 19 to col. 13 ln. 56, Fig. 1-16C	2, 7-12, 15 and 18-21
Y	US 6,578,994 B1 (BEYERLEIN) 17 June 2003 (17.06.2003) col. 1 ln. 8 to col. 3 ln. 60, Fig. 1-2	13-21
Y	US 6,899,443 B2 (RIZKIN et al.) 31 May 2005 (31.05.2005) col. 1 ln. 55-60, col. 3 ln. 66 to col. 4 ln. 3, Fig. 2	14-18
A	US 6,350,043 B1 (GLOISTEN) 26 February 2002 (26.02.2002) col. 1 ln. 65 to col. 5 ln. 22, Fig. 1-7	1-21

☐ Further documents are listed in the continuation of Box C. ☐

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"A" document defining the general state of the art which is not considered to be of particular relevance
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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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