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[Continued on next page]

(54) Title: INTEGRAL HEAT SINK AND HOUSING LIGHT EMITTING DIODE ASSEMBLY

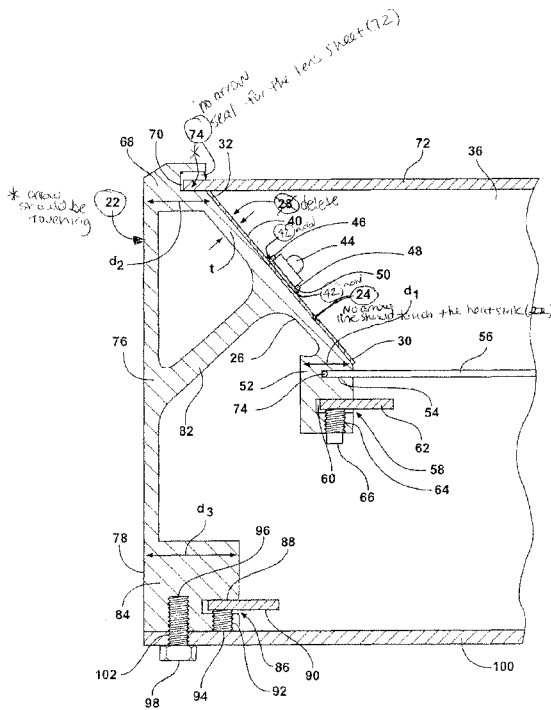


FIG. 2

(57) Abstract: A light assembly (20) for mounting to a planar support includes an extruded heat sink (22) presenting a mounting surface (24) and a heat transfer surface (26) slanted from an upper border (32) to a lower border (30). A panel block (52) depends from the lower border (30), a lens block (68) depends from the upper border (32), a back side (76) extends downwardly from the lens block (60), a truss member (82) interconnects the back side (76) and the heat transfer surface (26), and a mounting block (84) extends from the back side (76). The extruded heat sink (22) is cut into independent elongated sections (28) and light emitting diodes (44) are disposed thereon. The elongated sections (28) are mitered to one another to define a frame. A light directing panel (56) extends from the panel blocks (52) and a lens sheet (72) extends from the lens blocks (68).





OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
MR, NE, SN, TD, TG).

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**A. CLASSIFICATION OF SUBJECT MATTER*****H01L 33/64(2010.01)i***

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

(Chinese Patents and application for patent)

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

eKOMPASS(KIPO internal) &amp; Keywords: heat sink, slanted angle, support

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2007-306309 A (RICOH CO., LTD.) 22 November 2007 See abstract and figure 2	1-27
A	US 2006-0012286 A1 (BRIAN D. CULL et al.) 19 January 2006 See abstract and figures 3, 4	1-27
A	US 2007-0285920 A1 (BILL SEABROOK) 13 December 2007 See abstract and figure 1	1-27
A	US 2003-0156416 A1 (JAMES L. STOPA et al.) 21 August 2003 See abstract and figure 1	1-27

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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Information on patent family members

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