

Title (en)
LIGHT-EMITTING DEVICE

Publication
EP 0461579 A3 19920304 (EN)

Application
EP 91109468 A 19910610

Priority
JP 15372190 A 19900612

Abstract (en)
[origin: EP0461579A2] A light-emitting device comprising a printed circuit board (2), one or a plurality of groups of LED lamps (1) mounted on the print base plate (2), each group comprising a plurality of the LED lamps (1), and an enclosure (3) encompassing each group of LED lamps (1), a characteristic feature being that those LED lamps (1) adjacently near the enclosure (3) in each group have narrower directivities than the other lamps in that group. As a modification, the LED lamps (1) near the enclosure (3) in each group may be tilted toward that enclosure. Alternatively, the lenses of the lamps (1a) near the enclosure (3) may be positioned higher than those of the other lamps (1b). <IMAGE> <IMAGE>

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G09F 9/33

IPC 8 full level
G09F 9/33 (2006.01)

CPC (source: EP KR)
G09F 9/33 (2013.01 - EP KR); **G09F 13/22** (2013.01 - KR); **G09F 2013/222** (2013.01 - KR)

Citation (search report)
• [A] FR 2571527 A2 19860411 - POITIERS UNIVERSITE [FR]
• [A] GB 2143983 A 19850220 - FERRANTI PLC
• [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 244 (E-631)9 July 1988 & JP-A-63 032 972 (MITSUBISHI CABLE IND LTD) 12 February 1988
• [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 244 (E-631)9 July 1988 & JP-A-63 032 973 (MITSUBISHI CABLE IND LTD) 12 February 1988

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DE10164033B4; EP0867852A1; FR2761506A1; WO2004053817A1; WO2005111973A1

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