Title (en)

LIGHT MODULE

Title (de)

LEUCHTBAUGRUPPE

Title (fr)

BLOC DE COMPOSANTS ÉLECTROLUMINESCENTS

Publication

EP 2260233 B1 20120530 (DE)

Application

EP 09727733 A 20090108

Priority

- EP 2009000044 W 20090108
- DE 102008017613 A 20080404

Abstract (en)

[origin: WO2009121440A1] The invention relates to a light module for using in lights, said light module essentially consisting of a printed circuit board (1) that can be connected to a supply network and a light-emitting diode arrangement located on said printed circuit board. An optical element is associated with at least one light-emitting diode (2) in order to influence the emitted light. In order to create a light module wherein it is ensured in an especially simple manner that the optical element is especially precisely associated with its light-emitting diode during the assembly process, at least one optical element is embodied as a reflector arrangement associated with a plurality of light-emitting diodes, as a single component, and at least one lock-in projection (4) is formed on the lower side of the reflector arrangement, facing the printed circuit board, said lock-in projection engaging in a fixed manner in a correspondingly embodied lock-in recess (5) provided in the printed circuit board.

IPC 8 full level

F21K 99/00 (2010.01); **F21V 17/16** (2006.01); **F21V 5/00** (2006.01); **F21V 7/00** (2006.01)

CPC (source: EP US)

F21S 4/20 (2016.01 - EP); **F21V 5/00** (2013.01 - EP US); **F21V 7/00** (2013.01 - EP US); **F21V 17/164** (2013.01 - EP); F21V 11/16 (2013.01 - EP); F21W 2131/10 (2013.01 - EP); F21Y 2105/10 (2016.07 - EP US); F21Y 2115/10 (2016.07 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009121440 A1 20091008; DE 102008017613 A1 20091105; DE 102008017613 B4 20101216; EP 2260233 A1 20101215; EP 2260233 B1 20120530

DOCDB simple family (application)

EP 2009000044 W 20090108; DE 102008017613 A 20080404; EP 09727733 A 20090108