

Title (en)  
LIGHT MODULE INCLUDING A DIODE

Title (de)  
LEUCHTMODUL, DAS EINE DIODE UMFASST

Title (fr)  
MODULE LUMINEUX COMPRENANT UNE DIODE

Publication  
**EP 3009735 A1 20160420 (FR)**

Application  
**EP 15189690 A 20151014**

Priority  
FR 1459962 A 20141016

Abstract (en)  
[origin: US2016109108A1] A lighting module, in particular for illumination and/or signaling, comprising a heatsink on which is mounted a light emitting diode comprising a central axis (xx'), the heatsink comprising a body of which a front face is maintained in abutment against a rear face of the diode, the body comprising at least one orifice passing through the body and opening out on its front face through which pass one or more connection pins extending from the rear face of the diode. The central axis (xx') of the diode does not pass via an orifice passing through the body and through which a connection pin extends.

Abstract (fr)  
Module lumineux (50), notamment d'éclairage et/ou de signalisation, comprenant un dissipateur thermique (20) sur lequel est montée une diode lumineuse (40) comportant un axe central (xx'), le dissipateur thermique (20) comprenant un corps (24) dont une face (21) avant est maintenue en appui contre une face arrière (42) de la diode (40), le corps (24) comportant au moins un orifice (23) traversant ledit corps (24) et débouchant sur sa face avant (21) au travers duquel passent une ou plusieurs broches de connexion (41) s'étendant depuis la face arrière (42) de la diode (40). L'axe central de la diode (xx') ne passe pas par un orifice (23) traversant le corps (24) et au travers duquel s'étend une broche de connexion (41).

IPC 8 full level  
**F21S 8/10** (2006.01); **H01L 33/62** (2010.01); **F21W 107/10** (2018.01)

CPC (source: CN EP US)  
**F21S 41/00** (2017.12 - CN); **F21S 41/141** (2017.12 - EP US); **F21S 41/16** (2017.12 - EP US); **F21S 41/176** (2017.12 - EP); **F21S 41/19** (2017.12 - EP US); **F21S 41/192** (2017.12 - EP US); **F21S 43/00** (2017.12 - CN); **F21S 45/40** (2017.12 - CN); **F21S 45/47** (2017.12 - EP US); **F21S 45/49** (2017.12 - EP US); **F21V 29/503** (2015.01 - US); **F21V 29/70** (2015.01 - US); **F21W 2107/10** (2017.12 - CN); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)  
• EP 2063170 A2 20090527 - AUDI AG [DE]  
• EP 2690352 A1 20140129 - VALEO VISION [FR]

Citation (search report)  
• [X] DE 202014000778 U1 20140512 - HSU CHEN WEI [TW]  
• [X] JP 2014107229 A 20140609 - TOSHIBA LIGHTING & TECHNOLOGY  
• [X] DE 202014002809 U1 20140411 - OSRAM GMBH [DE]  
• [A] WO 2013042193 A1 20130328 - NEC DISPLAY SOLUTIONS LTD [JP], et al  
• [A] US 2012063157 A1 20120315 - NAKAZATO YOSHIAKI [JP], et al

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3009735 A1 20160420**; CN 105526543 A 20160427; US 2016109108 A1 20160421; US 9989236 B2 20180605

DOCDB simple family (application)  
**EP 15189690 A 20151014**; CN 201510673485 A 20151016; US 201514883778 A 20151015