

Title (en)
ELECTRICAL LIGHTING DEVICE

Title (de)
ELEKTRISCHE BELEUCHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D' ECLAIRAGE ELECTRIQUE

Publication
EP 2470824 A1 20120704 (FR)

Application
EP 10771674 A 20100827

Priority
• FR 0955904 A 20090828
• EP 2010062536 W 20100827

Abstract (en)
[origin: WO2011023790A1] The present invention relates to an electrical light fixture (1) that is mounted on a bracket (2), said fixture (1) comprising: a plurality of light-emitting diodes (LED); as well as a means (6) for dissipating the heat generated by said diodes; and at least one transparent or semi-transparent light diffuser (4), the plurality of diodes being mounted on an array that is placed in a recess portion of an interface module (5). According to the invention, the interface module (5) includes a resilient supporting means for attaching the array into the recess portion of the interface module (5), and in that said resilient supporting means further has a surface reflecting the light thereof such that the light from the diodes is essentially diffused through the aforementioned light diffuser (4). The interface module (5) includes at least one heat pipe connected to the aforementioned dissipation means (6), in which a coolant flows for at least partially discharging the heat from the plurality of light-emitting diodes.

IPC 8 full level
F21S 4/00 (2006.01); **F21V 19/00** (2006.01); **F21V 29/00** (2006.01); **G02B 6/00** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21K 9/65 (2016.07 - EP US); **F21S 4/20** (2016.01 - EP US); **F21V 19/001** (2013.01 - EP US); **F21V 19/004** (2013.01 - EP US); **F21V 19/04** (2013.01 - EP US); **F21V 29/51** (2015.01 - EP US); **F21V 29/76** (2015.01 - EP US); **F21V 29/85** (2015.01 - EP US); **G02B 6/0091** (2013.01 - EP US); **F21Y 2103/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US); **G02B 6/0031** (2013.01 - EP US); **G02B 6/0068** (2013.01 - EP US); **G02B 6/0085** (2013.01 - EP US)

Citation (search report)
See references of WO 2011023790A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011023790 A1 20110303; CN 102695911 A 20120926; EP 2470824 A1 20120704; FR 2949533 A1 20110304; FR 2949533 B1 20120824; RU 2012111151 A 20131010; US 2013044517 A1 20130221

DOCDB simple family (application)
EP 2010062536 W 20100827; CN 201080049188 A 20100827; EP 10771674 A 20100827; FR 0955904 A 20090828; RU 2012111151 A 20100827; US 201013392917 A 20100827