

Title (en)

LED lighting device and LED lighting arrangement

Title (de)

LED-Beleuchtungsanordnung und LED-Beleuchtungsanordnung

Title (fr)

Dispositif d'éclairage à DEL et dispositif d'éclairage à DEL

Publication

EP 2672177 A1 20131211 (EN)

Application

EP 12171169 A 20120607

Priority

EP 12171169 A 20120607

Abstract (en)

A lighting device (100), comprising a track connector (102) comprising a first electrical contact (101) for electrically contacting a corresponding electrical conductor of a track and comprising mechanical fixation means for mechanically fixating the track connector (102) to the track, and a LED module comprising at least one LED (107) provided on a substrate (106), the LED module being mounted on the track connector (102) and electrically contacting the track connector (102). A lighting arrangement (200), comprises the lighting device (200) and a track comprising a housing (110) of thermally conductive material with at least one open side for mechanically and electrically receiving the track connector (102), and comprising an electrical conductor (103) on an inside of the housing (110), wherein the electrical conductor (103) is electrically isolated from the housing (110), the first electrical contact (101) of the track connector (102) being aligned with and electrically contacting the corresponding electrical conductor (103) of the track, and wherein a part of a surface of the substrate (106) of the LED module thermally contacts a surface (114) of the track.

IPC 8 full level

F21V 21/35 (2006.01)

CPC (source: EP US)

F21V 21/35 (2013.01 - EP US); **F21Y 21/15/10** (2016.07 - EP US)

Citation (search report)

- [X] DE 102009054510 A1 20110616 - OSRAM GMBH [DE]
- [X] US 2006262521 A1 20061123 - PIEPGRAS COLIN [US], et al
- [X] EP 2405192 A2 20120111 - LG INNOTEK CO LTD [KR]
- [X] DE 202008011979 U1 20081211 - LEBENSSTIL TECHNOLOGY CO LTD [TW]
- [X] EP 1426674 A2 20040609 - OSRAM SYLVANIA INC [US]

Cited by

EP3056808A1

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)

WO 2013128385 A1 20130906; EP 2672177 A1 20131211

DOCDB simple family (application)

IB 2013051567 W 20130227; EP 12171169 A 20120607