

Title (en)
Luminaire, in particular for LED lighting

Title (de)
Leuchtkörper, insbesondere für LED-Beleuchtung

Title (fr)
Luminaire, en particulier pour éclairage à DEL

Publication
EP 2484970 B1 20171108 (EN)

Application
EP 12154278 A 20120207

Priority
NL 2006167 A 20110208

Abstract (en)
[origin: EP2484970A1] The present invention relates to a luminaire (10), in particular for Light Emitting Diode (LED) lighting, comprising a support (14) having a first side and a second side, a heat sink (18) which is in heat-exchanging contact with the first side of the support, at least one LED element (12) placed on the second side of the support, wherein the luminaire (10) further comprises a thermally conductive mat (16) disposed between the first side of the support (14) and the heat sink (18). The present invention further relates to a unit comprising a heat sink (18), a thermally conductive mat (16) and a support (14), which support (14) comprises at least one LED element (12), wherein said unit is designed for use in a luminaire (10) as described above.

IPC 8 full level
F21K 9/00 (2016.01); **F21V 3/04** (2006.01); **F21V 5/00** (2015.01); **F21V 5/04** (2006.01); **F21V 19/00** (2006.01); **F21V 29/00** (2015.01); **F21V 29/70** (2015.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)
F21K 9/00 (2013.01 - EP US); **F21V 5/04** (2013.01 - EP US); **F21V 19/0035** (2013.01 - EP); **F21V 29/70** (2015.01 - EP US); **F21V 3/061** (2018.01 - EP); **F21V 3/062** (2018.01 - EP); **F21V 19/0055** (2013.01 - EP); **F21V 29/763** (2015.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (examination)

- DE 102006048230 A1 20080417 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- JP 2010027615 A 20100204 - CCS INC
- DE 202010013958 U1 20101202 - TYC BROTHER IND CO LTD [TW]
- US 7182627 B1 20070227 - HUANG BIN-JUINE [TW]
- JP 2010027252 A 20100204 - CCS INC & US 2011114977 A1 20110519 - MIURA KENJI [JP]
- EP 1182396 A1 20020227 - KONINKL PHILIPS ELECTRONICS NV [NL]

Cited by
CN107883207A; EP3620715A1; WO2016020218A1

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

DOCDB simple family (publication)
EP 2484970 A1 20120808; EP 2484970 B1 20171108; DK 2484970 T3 20180205; NL 2006167 C2 20120809

DOCDB simple family (application)
EP 12154278 A 20120207; DK 12154278 T 20120207; NL 2006167 A 20110208