

Title (en)

LIGHT-EMITTING DIODE AND METHOD FOR PRODUCING A LIGHT-EMITTING DIODE

Title (de)

LEUCHTDIODE UND VERFAHREN ZUR HERSTELLUNG EINER LEUCHTDIODE

Title (fr)

DIODE LUMINESCENTE ET PROCÉDÉ DE FABRICATION D'UNE DIODE LUMINESCENTE

Publication

EP 2454765 A1 20120523 (DE)

Application

EP 10725804 A 20100629

Priority

- EP 2010059217 W 20100629
- DE 102009033287 A 20090715

Abstract (en)

[origin: WO2011006754A1] The invention relates to a light-emitting diode comprising: a carrier (1) having a mounting surface (1a); at least one light-emitting diode chip (2, 2a, 2b, 2c) attached to the mounting surface (1a); and a reflecting element (3) provided for reflecting electromagnetic radiation (4), wherein: the reflecting element (3) is attached to the carrier (1); and the reflecting element (3) comprises porous polytetrafluoroethylene.

IPC 8 full level

H01L 33/60 (2010.01)

CPC (source: EP KR US)

H01L 33/60 (2013.01 - EP KR US); **H01L 2224/32245** (2013.01 - EP KR US); **H01L 2224/45139** (2013.01 - EP KR US);
H01L 2224/48091 (2013.01 - EP KR US); **H01L 2224/48247** (2013.01 - EP KR US); **H01L 2224/73265** (2013.01 - EP KR US);
H01L 2924/00011 (2013.01 - EP); **H01L 2924/00014** (2013.01 - EP)

Citation (search report)

See references of WO 2011006754A1

Citation (examination)

WO 2006135496 A2 20061221 - CREE INC [US]

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)

DE 102009033287 A1 20110120; CN 102473825 A 20120523; CN 102473825 B 20150225; EP 2454765 A1 20120523;
JP 2012533182 A 20121220; JP 5685249 B2 20150318; KR 101649287 B1 20160818; KR 20120039023 A 20120424;
US 2012132947 A1 20120531; US 8581288 B2 20131112; WO 2011006754 A1 20110120

DOCDB simple family (application)

DE 102009033287 A 20090715; CN 201080031876 A 20100629; EP 10725804 A 20100629; EP 2010059217 W 20100629;
JP 2012519958 A 20100629; KR 20127004034 A 20100629; US 201013382313 A 20100629