

Title (en)

ASSEMBLY OF LAMP SOCKET AND LAMP BASE

Title (de)

ANORDNUNG VON LAMPENFASSUNG UND LAMPENSOCKEL

Title (fr)

ASSEMBLAGE D'UNE DOUILLE DE LAMPE ET DE SA BASE

Publication

**EP 2342493 B1 20130925 (DE)**

Application

**EP 10739470 A 20100609**

Priority

- DE 2010000655 W 20100609
- DE 202009010577 U 20090805
- DE 102009040115 A 20090904

Abstract (en)

[origin: WO2011015168A1] The invention relates to a lamp socket (11) for retaining an LED (19), comprising a heat sink (12) and a socket housing (13), which contains socket contacts (14) for electrically connecting the LED, and a lamp base (41), which carries an LED (49) connected to a thermally conductive element, can be inserted into the socket housing (13), and comprises base contacts (21), which can be brought into contact with the socket contacts (14) by means of a contact force (F<sub>k</sub>) in order to supply the LED (49) with power, the heat sink on the socket side being in contact with the thermally conductive element on the LED side - possibly by means of an agent that promotes heat transfer, such as thermally conductive film or thermally conductive paste - at a contact pressure (F<sub>A</sub>) that favors heat transfer, which contact is ensured by a pressing force (F<sub>A</sub>) produced by a suitable device, in order to absorb the heat arising during the operation of the LED. The invention is characterized in that the contact between the socket contacts and the base contacts is established by contact formation and/or contact support in a manner that is free from counterforce in regard to the pressing force.

IPC 8 full level

**F21V 19/04** (2006.01); **F21K 99/00** (2010.01); **F21V 29/00** (2006.01)

CPC (source: EP KR US)

**F21K 9/20** (2016.07 - KR); **F21V 17/105** (2013.01 - KR); **F21V 19/003** (2013.01 - EP KR US); **F21V 19/04** (2013.01 - EP KR US); **F21V 29/71** (2015.01 - KR); **F21V 29/763** (2015.01 - EP KR US); **H01R 13/6205** (2013.01 - KR); **H01R 33/46** (2013.01 - EP KR US); **F21K 9/20** (2016.07 - EP US); **F21V 17/105** (2013.01 - EP US); **F21V 2115/10** (2016.07 - EP KR US); **H01R 13/6205** (2013.01 - EP 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)

**WO 2011015168 A1 20110210**; CN 102472480 A 20120523; DE 102009040115 A1 20110210; DE 102009040115 B4 20120329; DE 202009010577 U1 20101209; EP 2342493 A1 20110713; EP 2342493 B1 20130925; JP 2013501318 A 20130110; JP 5592488 B2 20140917; KR 101383615 B1 20140410; KR 20120053016 A 20120524; US 2013034989 A1 20130207; US 8668363 B2 20140311

DOCDB simple family (application)

**DE 2010000655 W 20100609**; CN 201080034398 A 20100609; DE 102009040115 A 20090904; DE 202009010577 U 20090805; EP 10739470 A 20100609; JP 2012523197 A 20100609; KR 20127005192 A 20100609; US 201213360682 A 20120128