

Title (en)
Light emitting diode lamp structure

Title (de)
Struktur einer LED Lampe

Title (fr)
Structure d'une lampe à diodes

Publication
EP 2990716 A1 20160302 (EN)

Application
EP 14182205 A 20140826

Priority
EP 14182205 A 20140826

Abstract (en)
A light emitting diode (LED) lamp structure (100) of the present invention includes a housing body (102), a LED lamp module (500), and an electronic module (700, 700'). The housing body (102) includes a lamp base (200), a module base (400), a connecting ring (300) connecting the lamp base (200), and at least one clasp member (104) connecting the module base (400). The LED lamp module (500) connects the connecting ring (300) and is disposed on the lamp base (200). The electronic module (700, 700') connects the clasp member (104) and is disposed on the module base (400). Thereby, assembling, disassembling and replacing can be achieved without any tools. Meanwhile, the entrance of moisture is also prevented, so that a life span of an electronic device is prolonged.

IPC 8 full level
F21K 99/00 (2016.01); **F21V 17/00** (2006.01); **F21V 23/00** (2015.01); **F21V 23/02** (2006.01); **F21V 23/06** (2006.01)

CPC (source: EP US)
F21K 9/00 (2013.01 - EP US); **F21K 9/20** (2016.07 - EP US); **F21V 17/002** (2013.01 - EP); **F21V 23/00** (2013.01 - EP); **F21V 23/007** (2013.01 - EP); **F21V 23/008** (2013.01 - EP); **F21V 23/02** (2013.01 - EP); **F21V 23/026** (2013.01 - EP); **F21V 23/06** (2013.01 - EP); **F21W 2131/103** (2013.01 - EP)

Citation (search report)
• [IA] EP 1111297 A1 20010627 - SCHNEIDER ELECTRIC IND SA [FR]
• [A] US 2006087257 A1 20060427 - CHOI JOON-SIK [KR], et al
• [A] EP 1998107 A1 20081203 - AUGUX CO LTD [TW]
• [A] US 2006055333 A1 20060316 - FIENE DALE E [US]
• [A] DE 102008022834 A1 20091112 - OSRAM OPTO SEMICONDUCTORS GMBH [DE]
• [A] WO 2014012296 A1 20140123 - DONGGUAN JINZHUN ELECTRICAL CO LTD [CN], et al

Cited by
CN111189002A; EP3217073A1; EP3428508A4; WO2018182416A1

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)
EP 2990716 A1 20160302; EP 2990716 B1 20161019; PL 2990716 T3 20170428

DOCDB simple family (application)
EP 14182205 A 20140826; PL 14182205 T 20140826