

Title (en)

Led light bulb

Title (de)

LED-Glühlampe

Title (fr)

Ampoule à DEL

Publication

EP 2357403 A2 20110817 (EN)

Application

EP 11153112 A 20110202

Priority

TW 99103502 A 20100205

Abstract (en)

An LED light bulb (10), comprising: a head portion (14); an insulation tube (16), with its bottom end screw-locked onto the head portion, and with its inside provided with a driver-circuit-board component (20) having its one end connected electrically to said head portion; a heat dissipation cup (22), disposed on said insulation tube, inner and outer surfaces of said heat dissipation cup are provided with indent-protrusion texture structures (21), and its bottom surface is provided with two conduction-wire through-holes (24); an LED circuit board (27), and at least a Hi-Power LED (26) is provided thereon, and said LED circuit board is disposed on said bottom surface of said heat dissipation cup (22), said LED circuit board (27) is connected electrically to an other end of said driver-circuit-board component (20); and a hood (30), provided on a top end of said heat dissipation cup. The indent-protrusion texture structures on said heat dissipation cup are capable of dissipating speedily heat generated by the LED.

IPC 8 full level

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

CPC (source: EP US)

F21K 9/23 (2016.07 - EP US); **F21K 9/232** (2016.07 - EP US); **F21K 9/238** (2016.07 - EP US); **F21V 23/006** (2013.01 - EP US); **F21V 29/506** (2015.01 - EP); **F21V 29/507** (2015.01 - US); **F21V 29/74** (2015.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Cited by

CN104110632A; CN105698131A; EP3259519A4; CN105299500A; CN102705738A

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)

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DOCDB simple family (application)

EP 11153112 A 20110202; TW 99103502 A 20100205