

Title (en)

Omnidirectional light bulb using light emitting diode

Title (de)

Omnidirektionale Glühbirne mit lichtemittierender Diode

Title (fr)

Ampoule de lampe omnidirectionnelle utilisant une diode électroluminescente

Publication

EP 2216584 A1 20100811 (EN)

Application

EP 09174624 A 20091030

Priority

TW 98201695 U 20090205

Abstract (en)

The light bulb contains a transparent body member and a contact member at an end of the body member that could be screwed into a conventional light bulb socket for establishing electrical connections. Inside the transparent member, there are a number of circuit boards, each having a circular end and a rectangular body. Around the circumference of a side of the circular end, a number of LEDs are provided at appropriate spacing to project light towards various centrifugal directions, respectively. The circuit boards intersect with each other along a vertical direction so as to form a cross shape, a star shape, or a similar, radiating-from-a-center shape.

IPC 8 full level

F21K 99/00 (2010.01)

CPC (source: EP US)

F21K 9/232 (2016.07 - EP US); **F21V 19/003** (2013.01 - EP US); **F21V 3/02** (2013.01 - EP); **F21Y 2107/00** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)

US 2008174224 A1 20080724 - LIAO JUI-TSUNG [TW], et al

Citation (search report)

- [A] US 2008174224 A1 20080724 - LIAO JUI-TSUNG [TW], et al
- [A] DE 19624087 A1 19971218 - PIMPL WENDELIN [DE]
- [A] US 2003031015 A1 20030213 - ISHIBASHI KAZUO [JP]

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2216584 A1 20100811; TW M363550 U 20090821

DOCDB simple family (application)

EP 09174624 A 20091030; TW 98201695 U 20090205