

Title (en)

OPTICAL ADAPTER DEVICE FOR LIGHT-EMITTING DIODES

Title (de)

OPTISCHE ANPASSUNGSVORRICHTUNG FÜR LEUCHTDIODE

Title (fr)

DISPOSITIF D'ADAPTATION OPTIQUE POUR DIODE ÉLECTROLUMINESCENTE

Publication

EP 2859593 A1 20150415 (DE)

Application

EP 12737868 A 20120611

Priority

IB 2012001126 W 20120611

Abstract (en)

[origin: WO2013108067A1] The invention relates to a device which is designed as an optical adapter device that consists of a transparent material with an increased refractive index, and comprises a layer between the emitting surface of the semiconductor and said optical adapter device. The latter is produced from a material with a low elastic deformation coefficient, and has a thickness that allows the tunnelling of the emitted light.

IPC 8 full level

H01L 33/44 (2010.01); **H01L 33/58** (2010.01)

CPC (source: EP US)

H01L 33/04 (2013.01 - US); **H01L 33/44** (2013.01 - EP US); **H01L 33/58** (2013.01 - EP US); **H01L 2933/0091** (2013.01 - EP US)

Citation (search report)

See references of WO 2013108067A1

Citation (examination)

EP 2378837 A1 20111019 - HITACHI LTD [JP]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013108067 A1 20130725; EP 2859593 A1 20150415; RU 2013139012 A 20150227; RU 2565324 C2 20151020; US 2015311412 A1 20151029; US 2016315234 A1 20161027

DOCDB simple family (application)

IB 2012001126 W 20120611; EP 12737868 A 20120611; RU 2013139012 A 20120611; US 201214407342 A 20120611; US 201615198938 A 20160630