

Title (en)

LIGHT MODULE FOR A MOTOR VEHICLE HEADLAMP

Title (de)

LICHTMODUL FÜR EINEN KRAFTFAHRZEUGSCHEINWERFER

Title (fr)

MODULE D'ÉCLAIRAGE POUR UN PHARE DE VÉHICULE AUTOMOBILE

Publication

EP 3543596 B1 20200826 (DE)

Application

EP 18162863 A 20180320

Priority

EP 18162863 A 20180320

Abstract (en)

[origin: KR20190110451A] The present invention relates to an optical module for a vehicle head lamp, comprising a conversion means (100) and an illumination means (200). The conversion means (100) comprises a light emitting body (120) disposed on a carrier layer (110), the light emitting body (120) comprises a plurality of conversion segments (125) formed through a depression part (130) in the light emitting body (120), the illumination means (200) is configured so as to excite the conversion segment (125) for light emission in which a wavelength conversion occurs, and the depressions (130) are formed in a cohesive structure and filled with a filler (300). Therefore, an objective of the present invention is to improve shape stability of the conversion means of the optical module.

IPC 8 full level

F21S 41/16 (2018.01); **F21S 41/143** (2018.01); **F21S 41/147** (2018.01); **F21S 41/176** (2018.01)

CPC (source: CN EP KR)

F21S 41/16 (2017.12 - CN EP KR); **F21S 41/176** (2017.12 - CN EP); **F21S 41/30** (2017.12 - KR); **F21V 7/24** (2018.01 - KR); **F21W 2102/00** (2017.12 - CN); **F21Y 2115/30** (2016.07 - CN KR)

Cited by

US12031715B2

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

DOCDB simple family (publication)

EP 3543596 A1 20190925; **EP 3543596 B1 20200826**; CN 110307516 A 20191008; CN 110307516 B 20220118; KR 102155540 B1 20200915; KR 20190110451 A 20190930

DOCDB simple family (application)

EP 18162863 A 20180320; CN 201910212544 A 20190320; KR 20190030501 A 20190318