

Title (en)

HEADLIGHT MODULE COMPRISING A BEAM DIRECTING DEVICE AND A LUMINOPHORE

Title (de)

SCHEINWERFERMODUL MIT STRAHLENKVORRICHTUNG UND LEUCHTSTOFF

Title (fr)

MODULE DE PROJECTEUR AVEC DISPOSITIF D'ORIENTATION DU FAISCEAU ET LUMINOPHORE

Publication

EP 3224531 A1 20171004 (DE)

Application

EP 15766478 A 20150918

Priority

- DE 102014223933 A 20141125
- EP 2015071458 W 20150918

Abstract (en)

[origin: WO2016082960A1] The invention relates to a headlight module (100, 100') comprising a radiation source (10, 10'), a beam directing device (11, 11') and a luminophore (12, 12') applied to a substrate material (13, 13'); the luminophore (12, 12') can be excited to emit light by means of electromagnetic radiation emitted by the radiation source (10, 10'); a first lens array (16, 16') that includes at least one optical element is disposed between the beam directing device (11, 11') and the luminophore (12, 12'), and a second lens array (17, 17') that includes at least one optical element is disposed behind the luminophore (12, 12') in the direction of radiation (15, 15').

IPC 8 full level

F21S 8/10 (2006.01); **F21V 5/00** (2015.01); **G03B 21/20** (2006.01); **G03H 1/26** (2006.01); **H04N 9/31** (2006.01)

CPC (source: CN EP US)

F21S 41/14 (2017.12 - CN); **F21S 41/16** (2017.12 - EP US); **F21S 41/176** (2017.12 - EP US); **F21S 41/285** (2017.12 - CN EP); **F21S 41/663** (2017.12 - CN EP); **F21S 41/675** (2017.12 - CN EP); **F21V 5/008** (2013.01 - EP US); **G02B 5/32** (2013.01 - CN EP); **H04N 9/3129** (2013.01 - CN EP); **H04N 9/3158** (2013.01 - CN EP); **G03H 2001/306** (2013.01 - CN EP)

Citation (search report)

See references of WO 2016082960A1

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)

DE 102014223933 A1 20160525; CN 107076388 A 20170818; EP 3224531 A1 20171004; WO 2016082960 A1 20160602

DOCDB simple family (application)

DE 102014223933 A 20141125; CN 201580063881 A 20150918; EP 15766478 A 20150918; EP 2015071458 W 20150918