

Title (en)
LIGHTING DEVICE FOR A MOTOR VEHICLE HEADLIGHT

Title (de)
BELEUCHTUNGSVORRICHTUNG FÜR EINEN KRAFTFAHRZEUGSCHEINWERFER

Title (fr)
DISPOSITIF D'ÉCLAIRAGE POUR UN PHARE DE VÉHICULE AUTOMOBILE

Publication
EP 3489577 B1 20211124 (DE)

Application
EP 17203860 A 20171127

Priority
EP 17203860 A 20171127

Abstract (en)
[origin: WO2019101426A1] The invention relates to an illumination device (51, 52, 53) for a motor vehicle headlight, which illumination device comprises: an illumination means (100) wherein the light beams thereof can be collimated by at least one lens system (200); a polarising beam splitter (300), which divides the collimated light beams into a first and a second linearly polarised beam path (310, 320); a first means for polarisation rotation (400) which is configured to rotate the polarisation direction of the second beam path (320), such that the second beam path (320) has the polarisation direction of the first beam path (310); a reflective means (350) which is configured to deflect the first beam path (310); a single second means for polarisation rotation (600), having at least one segment which can be placed in an active and an inactive state by means of electrical signals; a polarisation filter means (610) which is configured to transmit or block the light beams that have been rotated in terms of their polarisation by the second means for polarisation rotation (600); and at least one projection lens (700) which is provided to generate a light distribution or a partial light distribution of a lighting function in front of a motor vehicle.

IPC 8 full level
F21S 41/135 (2018.01); **F21S 41/64** (2018.01); **F21V 9/14** (2006.01); **F21Y 115/10** (2016.01)

CPC (source: EP KR US)
F21S 41/135 (2017.12 - EP KR US); **F21S 41/645** (2017.12 - EP KR US); **F21V 9/14** (2013.01 - EP KR US); **F21Y 2115/10** (2016.07 - EP KR US)

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 3489577 A1 20190529; **EP 3489577 B1 20211124**; CN 111373196 A 20200703; JP 2021504900 A 20210215; JP 6976437 B2 20211208; KR 102405591 B1 20220607; KR 20200088376 A 20200722; US 10969075 B2 20210406; US 2020363030 A1 20201119; WO 2019101426 A1 20190531

DOCDB simple family (application)
EP 17203860 A 20171127; CN 201880076317 A 20181011; EP 2018077704 W 20181011; JP 2020528877 A 20181011; KR 20207016450 A 20181011; US 201816766889 A 20181011