

Title (en)
LIGHTING DEVICE FOR A MOTOR VEHICLE HEADLIGHT

Title (de)
BELEUCHTUNGSVORRICHTUNG FÜR EINEN KRAFTFAHRZEUGSCHEINWERFER

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

Publication
EP 3356728 A1 20180808 (DE)

Application
EP 16760640 A 20160819

Priority
• AT 508252015 A 20150930
• AT 2016060033 W 20160819

Abstract (en)
[origin: WO2017054020A1] The invention relates to a lighting device (1a) for a motor vehicle headlight, comprising a first light-guide unit (2) having a retaining bar (2a) and at least two outcoupling bars (2c) arranged at a distance from one another and protruding from the retaining bar (2a), a second light-guide unit (3) having a retaining bar (3a) and at least one outcoupling bar (3b) protruding from the retaining bar (3a), a number of light sources (4) for coupling light into the outcoupling bars (2b, 3b) of the light-guide units (2, 3), wherein at least one light source (4) is associated with each outcoupling bar (2b, 3b), and comprising at least one lens (5), preferably a projection lens, arranged after the light-guide units (2, 3) for generating a light distribution, wherein each outcoupling bar (2b, 3b) has a light-outcoupling surface (2c, 3c) for emitting light into the at least one lens (5), wherein the first and the second light-guide units (2, 3) are separate components from one another, which are arranged in relation to one another in such a way that a respective outcoupling bar (3b) of the second light-guide unit (3) is arranged between neighbouring outcoupling bars (2b) of the first light-guide unit (2), and wherein an aperture (11) is arranged between the lens (5) and the light-outcoupling surfaces (2c, 3c) of the outcoupling bars (2b, 3b).

IPC 8 full level
F21Y 105/10 (2016.01)

CPC (source: AT EP US)
F21S 41/143 (2017.12 - EP US); **F21S 41/153** (2017.12 - EP); **F21S 41/24** (2017.12 - EP US); **F21S 41/25** (2017.12 - US); **F21S 41/255** (2017.12 - EP US); **F21S 41/29** (2017.12 - EP US); **F21S 41/40** (2017.12 - AT); **F21S 41/43** (2017.12 - EP US); **F21S 41/663** (2017.12 - EP US); **F21S 41/143** (2017.12 - AT); **F21S 41/24** (2017.12 - AT); **F21S 41/25** (2017.12 - AT); **F21S 41/40** (2017.12 - US); **F21Y 2105/10** (2016.07 - EP US)

Citation (search report)
See references of WO 2017054020A1

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)
WO 2017054020 A1 20170406; AT 517697 A4 20170415; AT 517697 B1 20170415; CN 108139057 A 20180608; CN 108139057 B 20210316; EP 3356728 A1 20180808; EP 3356728 B1 20190626; JP 2018526805 A 20180913; JP 6535820 B2 20190626; US 10527248 B2 20200107; US 2018292061 A1 20181011

DOCDB simple family (application)
AT 2016060033 W 20160819; AT 508252015 A 20150930; CN 201680057088 A 20160819; EP 16760640 A 20160819; JP 2018532480 A 20160819; US 201615762855 A 20160819