

Title (en)
LIGHTING UNIT FOR A MOTOR VEHICLE HEADLIGHT FOR GENERATING AT LEAST TWO LIGHT DISTRIBUTIONS

Title (de)
BELEUCHTUNGSEINHEIT FÜR EINEN KRAFTFAHRZEUGSCHEINWERFER ZUM ERZEUGEN VON ZUMINDEST ZWEI LICHTVERTEILUNGEN

Title (fr)
UNITÉ D'ÉCLAIRAGE POUR UN PROJECTEUR DE VÉHICULE AUTOMOBILE, DESTINÉE À PRODUIRE AU MOINS DEUX DISTRIBUTIONS DE LUMIÈRE

Publication
EP 3500794 A1 20190626 (DE)

Application
EP 17757667 A 20170731

Priority
• AT 507492016 A 20160819
• AT 2017060193 W 20170731

Abstract (en)
[origin: WO2018032025A1] The invention relates to a lighting unit for a motor vehicle headlight for generating at least two light distributions, wherein the lighting unit comprises: a first light source (1) for generating a first light distribution, a second light source (2) for generating a second light distribution, a reflector (3), an exit lens (4) and collimators (5, 6; 5, 6a, 6b, 6c) into which the light sources (1, 2) can feed light, wherein the reflector (3) deflects, in the direction of the exit lens (4), the light rays of the light beams (S1, S2) exiting the collimators (5, 6; 5, 6a, 6b, 6c), the reflector (3), exit lens (4) and collimators (5, 6; 5, 6a, 6b, 6c) are formed from a translucent body (100) in which light rays (S1, S2) propagate by means of total reflection, the reflector (3) has a first reflector surface region (30) which receives light exclusively from the at least one first light source (1), and the reflector (3) has a second reflector surface region (31) which receives light exclusively from the at least one second light source (2), and wherein the exit lens (4) has a first exit lens region (40) which receives light exclusively from the first reflector surface region (30), and the exit lens (4) has a second exit lens region (4) which receives light exclusively from the second reflector surface region (31), and wherein light irradiated via the first exit lens region (40) is imaged as a first light distribution and light irradiated as a first light distribution via the second exit lens region (4) is imaged as a second light distribution.

IPC 8 full level
F21S 41/00 (2018.01)

CPC (source: AT EP KR US)
F21S 41/147 (2017.12 - KR US); **F21S 41/148** (2017.12 - EP US); **F21S 41/24** (2017.12 - AT); **F21S 41/27** (2017.12 - EP KR US); **F21S 41/285** (2017.12 - EP KR US); **F21S 41/321** (2017.12 - KR US); **F21S 41/322** (2017.12 - AT EP KR US); **F21S 41/336** (2017.12 - US); **F21S 41/337** (2017.12 - US); **F21S 41/663** (2017.12 - EP KR US); **F21S 45/47** (2017.12 - KR); **F21S 41/147** (2017.12 - AT); **F21S 41/25** (2017.12 - AT); **F21Y 2115/10** (2016.07 - KR)

Citation (search report)
See references of WO 2018032025A1

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 2018032025 A1 20180222; AT 518552 A4 20171115; AT 518552 B1 20171115; CN 109563974 A 20190402; CN 109563974 B 20210831; EP 3500794 A1 20190626; EP 3500794 B1 20211110; ES 2902514 T3 20220328; JP 2019525431 A 20190905; JP 6842532 B2 20210317; KR 102278912 B1 20210720; KR 20190040269 A 20190417; US 10605428 B2 20200331; US 2019186708 A1 20190620

DOCDB simple family (application)
AT 2017060193 W 20170731; AT 507492016 A 20160819; CN 201780050824 A 20170731; EP 17757667 A 20170731; ES 17757667 T 20170731; JP 2019509533 A 20170731; KR 20197007777 A 20170731; US 201716326271 A 20170731