

Title (en)

MOTOR VEHICLE HEADLAMP HAVING A SHIELDING SCREEN FOR SHIELDING INCIDENT SOLAR RADIATION

Title (de)

KRAFTFAHRZEUGSCHEINWERFER MIT EINER ABSCHIRMBLENDE ZUR ABSCHIRMUNG EINTRETENDER SONNENSTRAHLUNG

Title (fr)

PROJECTEUR DE VÉHICULE AUTOMOBILE COMPRENANT UN ÉCRAN DE PROTECTION POUR LA PROTECTION CONTRE LE RAYONNEMENT SOLAIRE INCIDENT

Publication

**EP 3752765 A1 20201223 (DE)**

Application

**EP 19705093 A 20190122**

Priority

- EP 18156939 A 20180215
- EP 2019051435 W 20190122

Abstract (en)

[origin: WO2019158319A1] The invention relates to a motor vehicle headlamp having a shielding screen (9) for shielding incident solar radiation, wherein the shielding screen is arranged between a lighting unit (2) having at least one light source (3), and a projection optics (8). Said shielding screen has a light outlet aperture for light radiated by the light unit to the front, wherein the light emitted by the lighting unit is projected into the traffic space as a light image by means of the projection optics, and the shielding screen is located outside the focal plane of the projection optics. On the border (13) of the light outlet aperture (10) of the shielding screen (9), deflective structures (14, 15, 16, 17, 18, 19) are formed, at least in some areas, which lead to a deflection of scattered light that is emanating from the lighting unit and is undesirable in the light image.

IPC 8 full level

**F21S 41/143** (2018.01); **F21S 41/153** (2018.01); **F21S 41/20** (2018.01); **F21S 41/255** (2018.01); **F21S 41/365** (2018.01); **F21S 41/43** (2018.01); **F21S 41/663** (2018.01); **F21S 45/10** (2018.01)

CPC (source: EP KR US)

**F21S 41/143** (2017.12 - EP KR US); **F21S 41/153** (2017.12 - EP KR US); **F21S 41/255** (2017.12 - EP KR US); **F21S 41/285** (2017.12 - EP KR); **F21S 41/365** (2017.12 - EP KR); **F21S 41/43** (2017.12 - EP KR US); **F21S 41/663** (2017.12 - EP KR); **F21S 45/10** (2017.12 - EP KR US); **F21Y 2115/10** (2016.07 - US)

Citation (search report)

See references of WO 2019158319A1

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)

**EP 3527875 A1 20190821**; CN 111699344 A 20200922; CN 111699344 B 20220930; EP 3752765 A1 20201223; EP 3752765 B1 20221026; JP 2021512466 A 20210513; JP 7019824 B2 20220215; KR 102429313 B1 20220804; KR 20200110680 A 20200924; US 11371671 B2 20220628; US 2021003263 A1 20210107; WO 2019158319 A1 20190822

DOCDB simple family (application)

**EP 18156939 A 20180215**; CN 201980013501 A 20190122; EP 19705093 A 20190122; EP 2019051435 W 20190122; JP 2020541891 A 20190122; KR 20207023532 A 20190122; US 201916969789 A 20190122