

Title (en)
ILLUMINATION APPARATUS FOR A MOTOR VEHICLE HEADLIGHT

Title (de)
BELEUCHTUNGSVORRICHTUNG FÜR EINEN KRAFTFAHRZEUGSCHEINWERFER

Title (fr)
DISPOSITIF D'ÉCLAIRAGE POUR PROJECTEUR DE VÉHICULE À MOTEUR

Publication
EP 4055320 A1 20220914 (DE)

Application
EP 20824080 A 20201022

Priority

- EP 19208028 A 20191108
- EP 2020079705 W 20201022

Abstract (en)
[origin: WO2021089332A1] The invention relates to an illumination apparatus (10) for a motor vehicle headlight, which illumination apparatus comprises the following: - a light source (50) for emitting a light beam in a first direction of radiation (X1), - a first deflection device (100), which is designed to deflect the light beam in a second direction of radiation (X2), and - a second deflection device (200) for deflecting the light beam deflected by the first deflection device (100) in a third direction of radiation (X3) and for generating a light distribution in front of the illumination apparatus (10), the illumination apparatus comprising at least one expanding optical system (300) with a focal point (F1), which expanding optical system (300) is associated with the at least one light source (50) and is designed to expand the light beam emitted by the light source (50) in the direction of the first direction of radiation (X1), the at least one light source (50) being arranged between the at least one expanding optical system (300) and the focal point (F1) of the expanding optical system (300) in the direction of the first direction of radiation (X1).

IPC 8 full level
F21S 41/20 (2018.01); **F21S 41/365** (2018.01)

CPC (source: EP KR US)
F21S 41/147 (2018.01 - EP); **F21S 41/285** (2018.01 - EP KR US); **F21S 41/32** (2018.01 - EP); **F21S 41/365** (2018.01 - EP KR US); **F21S 41/645** (2018.01 - KR US); **F21S 41/645** (2018.01 - EP); **F21S 41/675** (2018.01 - EP)

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 3819534 A1 20210512; CN 114641651 A 20220617; EP 4055320 A1 20220914; JP 2023501350 A 20230118; JP 7383813 B2 20231120; KR 20220051394 A 20220426; US 11774058 B2 20231003; US 2022373150 A1 20221124; WO 2021089332 A1 20210514

DOCDB simple family (application)
EP 19208028 A 20191108; CN 202080077222 A 20201022; EP 2020079705 W 20201022; EP 20824080 A 20201022; JP 2022526043 A 20201022; KR 20227010563 A 20201022; US 202017771713 A 20201022