

Title (en)

PRIMARY LENS ASSEMBLY FOR USE IN A MOTOR VEHICLE LIGHTING DEVICE AND MOTOR VEHICLE LIGHTING DEVICE WITH SUCH A PRIMARY LENS ASSEMBLY

Title (de)

PRIMÄROPTIKBAUGRUPPE ZUM EINSATZ IN EINER KRAFTFAHRZEUGBELEUCHTUNGSEINRICHTUNG UND KRAFTFAHRZEUGBELEUCHTUNGSEINRICHTUNG MIT EINER SOLCHEN PRIMÄROPTIKBAUGRUPPE

Title (fr)

ENSEMBLE D'OPTIQUE PRIMAIRE DESTINÉ À ÊTRE UTILISÉ DANS UN DISPOSITIF D'ÉCLAIRAGE DU VÉHICULE AUTOMOBILE ET DISPOSITIF D'ÉCLAIRAGE DU VÉHICULE AUTOMOBILE DOTÉ D'UN TEL ENSEMBLE D'OPTIQUE PRIMAIRE

Publication

EP 3339720 B1 20201230 (DE)

Application

EP 17202043 A 20171116

Priority

DE 102016124800 A 20161219

Abstract (en)

[origin: CN108204570A] The invention relates to a primary optical assembly (10) in a motor vehicle lighting device (1). The primary optical assembly comprises a plurality of elongate primary optical elements (12) arranged side by side and/or one above the other, wherein each of the elongate primary optical elements (12) has a near end (13), a far end (15) and a cross section which is gradually increased from the near end to the far end. It is proposed that the primary optical elements (12) are produced from a dimensionally stable, but elastically deformable, transparent materials and are positioned and fastened to a light source (100) or a light source carrier (104) of the lighting device (1) by means of a holder (20), wherein the holder (20) is provided with holding elements (22) for highly accurate positioning of the primary optical elements (12) in the region of the far ends (13).

IPC 8 full level

F21S 41/143 (2018.01); **F21S 41/24** (2018.01); **F21S 41/29** (2018.01); **F21S 41/663** (2018.01)

CPC (source: CN EP)

F21S 41/143 (2017.12 - EP); **F21S 41/24** (2017.12 - EP); **F21S 41/29** (2017.12 - EP); **F21S 41/663** (2017.12 - EP); **F21Y 2115/10** (2016.07 - CN)

Cited by

EP3578874A1; FR3085903A1; EP4191127A1; EP3540296A1; EP3604902A1; JP2021532560A; EP3943807A1; EP3864343A4; US11248765B2; US11415289B2; US11738819B2; US11435046B2; WO2020025291A1; WO2019233713A1; WO2020058289A1; US11143374B2; EP3765780B1

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 3339720 A1 20180627; **EP 3339720 B1 20201230**; CN 108204570 A 20180626; CN 108204570 B 20220121; DE 102016124800 A1 20180621

DOCDB simple family (application)

EP 17202043 A 20171116; CN 201711342306 A 20171214; DE 102016124800 A 20161219