

Title (en)
MOTOR VEHICLE LIGHT MODULE COMPRISING A PLURALITY OF LIGHT GUIDES

Title (de)
KRAFTFAHRZEUGLICHTMODUL MIT MEHREREN LICHTLEITERN

Title (fr)
MODULE LUMINEUX DE VÉHICULE AUTOMOBILE COMPRENANT UNE PLURALITÉ DE GUIDES DE LUMIÈRE

Publication
EP 3844436 B1 20240529 (FR)

Application
EP 19753006 A 20190806

Priority
• FR 1857863 A 20180831
• EP 2019071122 W 20190806

Abstract (en)
[origin: WO2020043443A1] The invention relates to a motor vehicle light module (1) comprising: - a part (2) comprising a plurality of light guides (3, 31, 32, 36, 37, 38, 4, 41, 42), each of said light guides (3, 31, 32, 36, 37, 38, 4, 41, 42) extending between an input diopter (30, 410, 420) of the same guide and an output, the adjacent light guides (3, 32, 36, 37, 38, 4, 41, 42) joining to one another by a material junction (33, 331, 332, 333, 334, 43); - several light sources (9, 91, 92) arranged opposite the input diopeters (410, 420) of all or a portion of the light guides (3, 31, 32, 36, 37, 38, 4, 41, 42); and - a projection system (6) downstream from the guide outputs (39, 49) that has a focal surface (F) projecting an image of any light ray passing through the focal surface. According to the invention, the light module (1) comprises at least two guides (4, 41, 42) of which the distance (d1) between the focal surface (F) and the junction (43) of said two guides (4, 41, 42) is greater than the distance (d2) between the focal surface (F) and the junction (33, 331, 332, 333, 334) of the other guides (3, 31, 32, 36, 37, 38).

IPC 8 full level
F21S 41/143 (2018.01); **F21S 41/147** (2018.01); **F21S 41/151** (2018.01); **F21S 41/24** (2018.01); **F21S 41/25** (2018.01); **F21S 41/663** (2018.01)

CPC (source: EP US)
F21S 41/147 (2018.01 - US); **F21S 41/151** (2018.01 - US); **F21S 41/24** (2018.01 - EP US); **F21S 41/25** (2018.01 - US); **F21S 41/663** (2018.01 - EP US); **F21S 41/143** (2018.01 - EP); **F21S 41/151** (2018.01 - EP); **F21S 41/25** (2018.01 - EP); **F21W 2102/145** (2018.01 - EP); **F21Y 2115/10** (2016.08 - US)

Citation (examination)
US 2014133168 A1 20140515 - FIEDERLING ROLAND [DE], et al

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)
WO 2020043443 A1 20200305; CN 112771305 A 20210507; CN 112771305 B 20240220; EP 3844436 A1 20210707; EP 3844436 B1 20240529; FR 3085463 A1 20200306; FR 3085463 B1 20220325; US 11530791 B2 20221220; US 2021180760 A1 20210617

DOCDB simple family (application)
EP 2019071122 W 20190806; CN 201980056099 A 20190806; EP 19753006 A 20190806; FR 1857863 A 20180831; US 201917269431 A 20190806