

Title (en)

LUMINOUS MATRIX-ARRAY MONOLITHIC MOTOR-VEHICLE DEVICE FOR WRITING ON THE GROUND

Title (de)

MONOLITHISCHE KRAFTFAHRZEUGVORRICHTUNG MIT LEUCHTMATRIXANORDNUNG ZUM SCHREIBEN AUF DEM BODEN

Title (fr)

DISPOSITIF LUMINEUX À MATRICE MONOLITHIQUE DE VÉHICULE AUTOMOBILE POUR ÉCRITURE AU SOL

Publication

**EP 3775675 A1 20210217 (FR)**

Application

**EP 19715476 A 20190403**

Priority

- FR 1852899 A 20180403
- EP 2019058439 W 20190403

Abstract (en)

[origin: WO2019193074A1] The present invention relates to a luminous motor-vehicle device comprising a first module able to project a first, partial or complete, pixel high beam, a second module able to project a second pixel beam for writing on the road, and a third module able to project a third cutoff-containing (low) beam. The first, second and third modules are arranged so that the first and second beams overlap at least partially vertically; and the second and third beams overlap at least partially vertically.

IPC 8 full level

**F21S 41/143** (2018.01); **F21S 41/153** (2018.01); **F21S 41/255** (2018.01); **F21S 41/663** (2018.01); **F21W 102/14** (2018.01)

CPC (source: EP US)

**B60Q 1/18** (2013.01 - US); **F21S 41/143** (2018.01 - EP US); **F21S 41/153** (2018.01 - EP); **F21S 41/255** (2018.01 - EP);  
**F21S 41/663** (2018.01 - EP US); **F21S 41/16** (2018.01 - US); **F21W 2102/14** (2018.01 - EP); **F21W 2107/10** (2018.01 - US);  
**F21Y 2115/10** (2016.08 - US)

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)

**FR 3079467 A1 20191004**; CN 112236617 A 20210115; CN 112236617 B 20230505; EP 3775675 A1 20210217; JP 2021533522 A 20211202;  
JP 7339716 B2 20230906; US 11370352 B2 20220628; US 2021070219 A1 20210311; WO 2019193074 A1 20191010

DOCDB simple family (application)

**FR 1852899 A 20180403**; CN 201980036714 A 20190403; EP 19715476 A 20190403; EP 2019058439 W 20190403;  
JP 2020554124 A 20190403; US 201917044708 A 20190403