

Title (en)
LUMINOUS MODULE THAT IMAGES THE ILLUMINATED SURFACE OF A COLLECTOR

Title (de)
LEUCHTMODUL ZUR ABBILDUNG DER BELEUCHTETEN FLÄCHE EINES KOLLEKTORS

Title (fr)
MODULE LUMINEUX IMAGEANT LA SURFACE ECLAIREE D'UN COLLECTEUR

Publication
EP 3830474 A1 20210609 (FR)

Application
EP 19701895 A 20190204

Priority
• FR 1857160 A 20180731
• EP 2019052670 W 20190204

Abstract (en)
[origin: WO2020025171A1] The invention relates to a luminous module (2), in particular for a motor vehicle, comprising: a light source (4) able to emit light rays; a collector (6) with a reflective surface (6.2) configured to collect and to reflect the light rays emitted by the light source (4) into a light beam along an optical axis (8) of the module; and an optical system (10) configured to project the light beam. The collector (6) is configured so that some of the light rays of the light beam are parallel to the optical axis (8) or have an angle of inclination α smaller than or equal to 25° in a vertical plane with respect to said axis; and the optical system (10) is configured to form an image of the reflective surface (6.2) of the collector (6). The invention also relates to a luminous device comprising one or more such luminous modules.

IPC 8 full level
F21S 41/25 (2018.01); **F21S 41/148** (2018.01); **F21S 41/30** (2018.01); **F21S 41/32** (2018.01)

CPC (source: EP KR US)
F21S 41/148 (2017.12 - EP KR US); **F21S 41/26** (2017.12 - EP KR US); **F21S 41/321** (2017.12 - EP KR US); **F21S 41/365** (2017.12 - EP KR US); **F21S 41/40** (2017.12 - US); **F21S 43/14** (2017.12 - US); **F21S 43/20** (2017.12 - US); **F21S 43/31** (2017.12 - US)

Citation (search report)
See references of WO 2020025171A1

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)
WO 2020025171 A1 20200206; CN 112513522 A 20210316; EP 3830474 A1 20210609; FR 3084728 A1 20200207; FR 3084728 B1 20210319; JP 2021533537 A 20211202; JP 2024010219 A 20240123; JP 7384899 B2 20231121; KR 20210036929 A 20210405; US 11280464 B2 20220322; US 11719406 B2 20230808; US 2021332964 A1 20211028; US 2022163181 A1 20220526; US 2023313961 A1 20231005

DOCDB simple family (application)
EP 2019052670 W 20190204; CN 201980050549 A 20190204; EP 19701895 A 20190204; FR 1857160 A 20180731; JP 2021505397 A 20190204; JP 2023191646 A 20231109; KR 20217003144 A 20190204; US 201917264532 A 20190204; US 202217650653 A 20220210; US 202318331709 A 20230608