

Title (en)
Lighting module for a motor vehicle

Title (de)
Beleuchtungsmodul für Kraftfahrzeug

Title (fr)
Module d'éclairage pour véhicule automobile

Publication
EP 2708798 B1 20200930 (FR)

Application
EP 13183189 A 20130905

Priority
FR 1258683 A 20120917

Abstract (en)
[origin: EP2708798A1] The module (100) has optical elements including a toric output lens (108) and concave reflectors (102, 102') associated with a folder having a reflecting face for folding light beams generated by light sources i.e. LEDs (104, 104') located in the concave reflectors. The optical elements are arranged to converge the light beams generated by the LEDs at focal points (106, 106') prior to the transmission of the light beams by the output lens, where the concave reflectors are oriented towards each other. An independent claim is also included for a method for manufacturing a lighting module for forming a wide light beam in a headlight of a motor vehicle.

IPC 8 full level
F21S 41/14 (2018.01); **F21V 5/00** (2018.01); **F21V 8/00** (2006.01)

CPC (source: EP US)
F21S 41/148 (2017.12 - EP US); **F21S 41/26** (2017.12 - EP US); **F21S 41/29** (2017.12 - EP US); **F21S 41/321** (2017.12 - EP US); **F21S 41/33** (2017.12 - EP US); **F21S 41/365** (2017.12 - EP US); **F21S 41/43** (2017.12 - EP US); **Y10T 29/49002** (2015.01 - EP US)

Citation (examination)
JP 2010218964 A 20100930 - ICHIKOH INDUSTRIES LTD

Cited by
FR3026820A1; CN107076385A; FR3130011A1; FR3119440A1; US10184632B2; WO2016050983A1; WO2016066915A1; WO2022162180A1; WO2023104833A1

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DOCDB simple family (publication)
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EP 13183189 A 20130905; FR 1258683 A 20120917; JP 2013189174 A 20130912; US 201314026114 A 20130913