

Title (en)

Primary optical element, lighting module and headlight for motor vehicle

Title (de)

Optisches Hauptelement, Beleuchtungsmodul und Scheinwerfer für Kraftfahrzeug

Title (fr)

Élément optique primaire, module lumineux et projecteur pour véhicule automobile

Publication

EP 2871406 B1 20180530 (FR)

Application

EP 14191981 A 20141106

Priority

FR 1360920 A 20131107

Abstract (en)

[origin: US2015131305A1] A primary optical element for a motor vehicle lighting module, comprising a single monoblock input member and a corrective part, the input member having at least one input face intended to receive light, the input member being connected at output to the corrective part. The corrective part comprises a light output face, at least partly in the shape of a substantially spherical dome, the input member and the corrective part forming a monoblock structure, wherein a vertical profile of the input face of the input member has a convex first part and a second part that is planar or concave.

IPC 8 full level

F21V 5/04 (2006.01)

CPC (source: EP US)

F21S 41/143 (2017.12 - EP US); **F21S 41/151** (2017.12 - EP US); **F21S 41/25** (2017.12 - EP US); **F21S 41/285** (2017.12 - EP US); **F21S 41/322** (2017.12 - EP US); **F21S 41/663** (2017.12 - EP US)

Cited by

FR3051538A1; CN107101150A; EP3517827A1; EP3128225A1; FR3039884A1; EP3301348A1; FR3056693A1; EP3147557A1; FR3041738A1; EP3301349A1; FR3056692A1; US10724700B2; WO2019076550A1; US10228108B2; US10480742B2; EP3421875A1; FR3068435A1; EP3301347A1; FR3056694A1; EP3636990A1; US10823357B2; US10337684B2; EP3861245B1

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