

Title (en)

LIGHTING MODULE FOR VEHICLE HEADLIGHT

Title (de)

BELEUCHTUNGSMODUL FÜR FAHRZEUGSCHEINWERFER

Title (fr)

MODULE D'ÉCLAIRAGE POUR PHARE DE VÉHICULE

Publication

EP 3812650 A1 20210428 (EN)

Application

EP 19205348 A 20191025

Priority

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Abstract (en)

The present invention relates to the field of automotive front-lighting, and particularly to a lighting module for a vehicle headlight. The lighting module comprises a first light source (11), a first primary optics (12), and a multi-focal secondary optics (13). The multi-focal secondary optics (13) comprises a first focal point (F1) on a first focal plane (P1) and a second focal point (F2) on a second focal plane (P2). The first primary optics (12) is configured to receive and redirect a first part of light from the first light source (11) to a first focal area (S11) on the first focal plane (P1) and a second part of the light from the first light source (11) to a first focal area (S21) on the second focal plane (P2). The multi-focal secondary optics (13) is configured to receive and redirect light from the first focal area (S11) on the first focal plane (P1) and the first focal area (S21) on the second focal plane (P2) onto a road in front of the vehicle.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

CN 108644739 A 20181012 - GUANGZHOU FORDA SIGNAL CO LTD

Citation (search report)

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- [XDAI] CN 108644739 A 20181012 - GUANGZHOU FORDA SIGNAL CO LTD
- [X] JP 2011243474 A 20111201 - KOITO MFG CO LTD
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Cited by

CN114110528A; WO2023019640A1

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