

Title (en)

MICROMIRROR-COMPRISING LIGHT MODULE FOR A MOTOR VEHICLE HEADLIGHT

Title (de)

MIKROSPIEGEL AUFWEISENDES LICHTMODUL FÜR EINEN KRAFTFAHRZEUGSCHEINWERFER

Title (fr)

MODULE LUMINEUX COMPORTANT UN MICROMIROIR POUR UN PHARE DE VÉHICULE AUTOMOBILE

Publication

**EP 3546822 B1 20220504 (DE)**

Application

**EP 19161297 A 20190307**

Priority

DE 102018107678 A 20180329

Abstract (en)

[origin: CN110319418A] The invention relates to a light module (10) for a motor vehicle headlamp, the light module has a light source (12), a primary optical system (14), a micromirror assembly (16.4) and a secondary optical system (18) for refracting light, the light source (12), the primary optical system (14), the micromirror assembly (16.4) and the secondary optical system (18) are arranged relative to each other such that light (22) emitted from the light source (12) and directed through the primary optical system (14) towards the micromirror assembly (16.4) can be reflected through the micromirror assembly (16.4) onto the secondary optical system (18) for refracting the light. The light module (10) is characterised in that it has an interior (26) which is delimited in a dust-proof manner by a housing front(28), a central support element (30), a DMD chip (16), a first printed circuit board (20), a secondary optical system (18) and by a dust-proof pressure-equalizing membrane (32).

IPC 8 full level

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CPC (source: CN EP)

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Cited by

US2023097767A1; WO2023134814A1; EP3788297B1

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