

Title (en)

PROJECTION MODULE OF A MOTOR VEHICLE HEADLIGHT, AND MOTOR VEHICLE HEADLIGHT COMPRISING SUCH A PROJECTION MODULE

Title (de)

PROJEKTIONSMODUL EINES KRAFTFAHRZEUGSCHEINWERFERS UND KRAFTFAHRZEUGSCHEINWERFER MIT EINEM SOLCHEN PROJEKTIONSMODUL

Title (fr)

MODULE DE PROJECTION D'UN PHARE DE VÉHICULE AUTOMOBILE, ET PHARE DE VÉHICULE AUTOMOBILE COMPRENANT LEDIT MODULE DE PROJECTION

Publication

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Application

EP 21769897 A 20210823

Priority

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Abstract (en)

[origin: WO2022063500A1] The invention relates to a projection module (2) of a headlight of a motor vehicle. The light module (2) comprises a light source for emitting light, a primary optical unit for focusing, shaping and/or deflecting the light emitted by the light source, and a secondary optical unit (4) in the form of a projection lens, which images an intermediate image of an intermediate image plane arranged in the beam path between the primary optical unit and the secondary optical unit (4) in a light exit direction (6) of the projection module (2) in a front area ahead of the motor vehicle as a resulting light distribution of the projection module (2). The projection module (2) comprises a heating element (8) for heating the projection lens (4). It is proposed that the heating element (8) comprises a transparent film (10) composed of an electrically insulating material and conductor tracks (12) which are applied thereto or incorporated therein and which are connected to an electrical energy source (16) via a switching element (14), the heating element (8) being applied at least to a partial region of a light entrance and/or light exit surface of the projection lens (4) of the projection module (2) or being introduced at least into a part of the projection lens (4) itself, such that the heating element (8) heats up the projection lens (4) when current flow through the conductor tracks (12) is switched on.

IPC 8 full level

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