Title (en)

LED LIGHT-SOURCE MODULE FOR AN LED MOTOR VEHICLE HEADLIGHT

Title (de)

LED-LICHTQUELLENMODUL FÜR EINEN LED-KRAFTFAHRZEUGSCHEINWERFER

Title (fr)

MODULE DE SOURCES LUMINEUSES À DEL POUR UN PROJECTEUR DE VÉHICULE AUTOMOBILE À DEL

Publication

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Application

EP 12750982 A 20120716

Priority

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Abstract (en)

[origin: WO2013020156A1] The invention relates to an LED light-source module (M1 - M4, M1' - M4') for an LED motor vehicle headlight (SW1, SWr), particularly for an LED motor vehicle headlight (SW1, SWr) designed to produce a dynamic light distribution. Said LED light-source module (M1 - M4, M1' - M4') has at least one LED light-source (LEQ) consisting of at least one light-emitting diode (LED1, LED2), and this at least one light-emitting diode (LED1, LED2) of said at least one LED light-source (LEQ) couples light into an associated primary optical element (P1 -P4), the incoupled light again being emitted, at least partially, from a light-emitting surface (L1 - L4) of said primary optical element (P1 - P4). The LED light-source module (M1 - M4, M1' - M4') has a secondary optic (S1, S2, S3, S4) which - when the headlight (SW) is installed in a vehicle - maps the light emitted from the at least one light-emitting surface (L1 - L4) of the at least one primary optical element (P1 - P4) into a region that lies in front of the vehicle, in the form of a light pattern. According to the invention, an aperture arrangement (BAO) is provided between the at least one light-emitting surface (L1 - L4) of the at least one primary optical element (P1 - P4) and the secondary optic (S1 - S4), which aperture arrangement (BAO) has at least one optically-effective aperture edge (BK1, BK2) arranged such that, and/or extending such that, unwanted distortions appearing in an upper and/or lower region of the light pattern are at least partially masked in said light pattern.

IPC 8 full level

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