Title (en)

LIGHTING MODULE FOR A VEHICLE HEADLAMP CREATING AT LEAST TWO LIGHT DISTRIBUTIONS

Title (de)

BELEUCHTUNGSEINHEIT FÜR EINEN KRAFTFAHRZEUGSCHEINWERFER ZUM ERZEUGEN VON ZUMINDEST ZWEI LICHTVERTEILUNGEN

Title (fr)

MODULE D'ILLUMINATION POUR PHARE DE VÉHICULE AVEC AU MOINS DEUX DISTRIBUTIONS DE LUMIÈRE

Publication

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Application

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Abstract (en)

[origin: WO2018032025A1] The invention relates to a lighting unit for a motor vehicle headlight for generating at least two light distributions, wherein the lighting unit comprises: a first light source (1) for generating a first light distribution, a second light source (2) for generating a second light distribution, a reflector (3), an exit lens (4) and collimators (5, 6; 5, 6a, 6b, 6c) into which the light sources (1, 2) can feed light, wherein the reflector (3) deflects, in the direction of the exit lens (4), the light rays of the light beams (S1, S2) exiting the collimators (5, 6; 5, 6a, 6b, 6c), the reflector (3), exit lens (4) and collimators (5, 6; 5, 6a, 6b, 6c) are formed from a translucent body (100) in which light rays (S1, S2) propagate by means of total reflection, the reflector (3) has a first reflector surface region (30) which receives light exclusively from the at least one first light source (1), and the reflector (3) has a second reflector surface region (31) which receives light exclusively from the at least one second light source (2), and wherein the exit lens (4) has a first exit lens region (40) which receives light exclusively from the first reflector surface region (30), and the exit lens (4) has a second exit lens region (4) which receives light exclusively from the second reflector surface region (31), and wherein light irradiated via the first exit lens region (40) is imaged as a first light distribution and light irradiated as a first light distribution via the second exit lens region (4) is imaged as a second light distribution.

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