

Title (en)
ILLUMINATION DEVICE COMPRISING SEMICONDUCTOR PRIMARY LIGHT SOURCES AND AT LEAST ONE LUMINOPHORE ELEMENT

Title (de)
BELEUCHTUNGSVORRICHTUNG MIT HALBLEITER-PRIMÄRLICHTQUELLEN UND MINDESTENS EINEM LEUCHTSTOFFKÖRPER

Title (fr)
DISPOSITIF D'ÉCLAIRAGE DOTÉ DE SOURCES DE LUMIÈRE PRIMAIRE À SEMICONDUCTEUR ET D'AU MOINS UN CORPS LUMINESCENT

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Application
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Abstract (en)
[origin: WO2016170154A1] The invention relates to an illumination device (1) comprising: a plurality of semiconductor primary light sources (Dij) each of which emits primary beams of light (Pij); a beam deflection device (5) able to be illuminated by said primary beams of light, particularly at least one movable mirror able to assume at least two beam deflection positions; and a luminophore element (9) that can be illuminated by means of primary beams of light (Pij) deflected by said beam deflection device (5), light spots (Fij) of said individual primary beams of light (Pij) being spatially distinguishable on the at least one luminophore element (9), a total light spot (Fges) composed of the light spots (Fij) of said individual primary beams of light (Pij) being spatially distinguishable on the at least one luminophore element (9) depending on the beam deflection position of said beam deflection device (5), and it being possible to selectively switch at least one primary beam of light (Pij), incident on the at least one luminophore element (9), on and off during operation of said illumination device (1). The illumination device (1) can, for example, be used in projection devices, particularly vehicle headlamps or devices for professional illumination, for example for decorative lighting such as a stage projector or a disco light.

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