

Title (en)  
LIGHTING MEANS WITH PREDETERMINED RADIATION CHARACTERISTICS AND PRODUCTION METHOD FOR AN OPTICAL ELEMENT

Title (de)  
LEUCHTMITTEL MIT VORGEBBARER ABSTRAHLCHARAKTERISTIK UND HERSTELLUNGSVERFAHREN FÜR EINEN OPTIKKÖRPER

Title (fr)  
MOYEN D'ÉCLAIRAGE AVEC CARACTÉRISTIQUES DE RADIATION PRÉDÉTERMINÉE ET PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT OPTIQUE

Publication  
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Application  
**EP 15701139 A 20150116**

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Abstract (en)  
[origin: WO2015107153A1] The invention relates to a lighting means (1), comprising: an optical element (3), which has a main extension direction (Z), a radiation inlet surface (3a), and a radiation outlet surface (3b); and at least two light-emitting diodes (2), which each comprise at least one light-emitting diode chip (21) and a radiation passage surface (2a), which extends along a main extension plane (XZ); wherein the at least two lighting-emitting diodes (2) are arranged along the main extension direction (Z) of the optical element (3), the radiation inlet surface (3a) of the optical element (3) faces the radiation passage surfaces (2a) of the at least two light-emitting diodes (2), the optical element (3) is formed as a solid body, the radiation inlet surface (3a) of the optical element (3) is flat or convexly curved, and the radiation outlet surface (3b) of the optical element (3) comprises at least one recess (4) in the optical element (3).

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Citation (examination)  
• JP H11232912 A 19990827 - PFU LTD  
• EP 1813857 A1 20070801 - LUCEA AG [CH]  
• CN 1955814 A 20070502 - FAWOO TECHNOLOGY CO LTD [KR]  
• CN 102303946 A 20120104 - SHANGHAI SUNTRIX CO LTD

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