

Title (en)  
METHOD FOR PRODUCING A LIGHT-RADIATING SURFACE AND A LIGHTING DEVICE FOR IMPLEMENTING THE METHOD

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER LICHTAUSSTRAHLENDEN OBERFLÄCHE UND BELEUCHTUGNSVORRICHTUNG ZUR UMSETZUNG DES VERFAHRENS

Title (fr)  
PROCÉDÉ DE FORMATION D'UNE SURFACE ÉMETTRICE DE LUMIÈRE ET DISPOSITIF D'ÉCLAIRAGE METTANT EN UVRE CE PROCÉDÉ

Publication  
**EP 2532946 A1 20121212 (EN)**

Application  
**EP 10845341 A 20100205**

Priority  
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Abstract (en)  
A method for producing a light-radiating surface and a lighting device for implementing the method relate to lighting technology, specifically to LED lighting devices which are intended for producing external and internal lighting. The method for producing a light-radiating surface comprises operations for generating a stream of radiation; establishing the direction of flow of a light-reflecting structure; irradiating luminophore particles forming a first means for transforming the stream of radiation; and using a stream of light to irradiate a second means for transforming the stream of radiation, which means is produced from an optically transparent material and is equipped with scattering means. The lighting device comprises a radiation source in the blue and/or ultraviolet range of the spectrum; a first means for transforming the radiation, which means is equipped with luminophore particles; a light-reflecting structure which can change the radiation direction; and a second means for transforming the radiation, which means is equipped with light-scattering elements, is constructed from an optically transparent material and has a light-radiating surface.

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