

Title (en)

REFLECTIVE OPTICAL ELEMENT, OPTICAL LIGHTING UNIT, PROJECTION LIGHTING SYSTEM, AND METHOD FOR PRODUCING A PROTECTIVE LAYER

Title (de)

REFLEKTIERENDES OPTISCHES ELEMENT, BELEUCHTUNGSOPTIK, PROJEKTIONSBELICHTUNGSANLAGE UND VERFAHREN ZUM BILDEN EINER SCHUTZSCHICHT

Title (fr)

ÉLÉMENT OPTIQUE RÉFLÉCHISSANT, UNITÉ D'ÉCLAIRAGE OPTIQUE, SYSTÈME D'ÉCLAIRAGE PAR PROJECTION ET PROCÉDÉ DE FABRICATION DE COUCHE DE PROTECTION

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Application

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Abstract (en)

[origin: WO2022037846A1] The invention relates to a reflective optical element (17), in particular for an optical lighting unit of a projection lighting system, comprising: a structured surface (25a) that preferably forms a grid structure; and a reflective coating (36) that is applied to the structured surface (25a). The reflective coating (36) covers some portions of the structured surface (25a), and the reflective optical element (17) includes at least one protective layer (37) which covers the entire structured surface (25a). The invention also relates to an optical lighting unit for a projection lighting system, comprising at least one reflective optical element (17) of said type, to a projection lighting system comprising an optical lighting unit of said type, and to a method for producing a protective layer (37) on a reflective optical element (17) of said type.

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