

Title (en)  
PRODUCTION AND APPLICATIONS OF MULTIFUNCTIONAL OPTICAL MODULES FOR PHOTOVOLTAIC CURRENT GENERATION AND FOR LIGHTING PURPOSES

Title (de)  
HERSTELLUNG UND APPLIKATIONEN MULTIFUNKTIONALER OPTISCHER MODULE ZUR PHOTOVOLTAISCHEN STROMERZEUGUNG UND FÜR BELEUCHTUNGSZWECKE

Title (fr)  
FABRICATION ET APPLICATIONS DE MODULES OPTIQUES MULTIFONCTIONNELS DESTINÉS À LA PRODUCTION DE COURANT PHOTOVOLTAÏQUE ET À L'ÉCLAIRAGE

Publication  
**EP 2243171 A1 20101027 (DE)**

Application  
**EP 09705798 A 20090115**

Priority  
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• DE 102008006955 A 20080131

Abstract (en)  
[origin: WO2009095310A1] The invention relates to an optical module comprising a substrate and a polymer layer applied to the substrate, wherein the substrate and polymer layer are transparent in the spectral range of between 250 and 700 nm; fluorescent additives (A) absorbent at least in the spectral range of between 250 and 400 nm (UV range), fluorescent additives (B) absorbent at least in the spectral range of between 400 and 700 nm (visible range), and additives (C) absorbent at least in the spectral range of between 700 and 2000 nm (NIR range), are distributed in the polymer layer; and the average diameter of all additives does not exceed 200 nm.

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**H01L 31/055** (2006.01)

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**H01L 31/055** (2013.01); **Y02E 10/52** (2013.01)

Citation (search report)  
See references of WO 2009095310A1

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