

Title (en)  
LUMINESCENT COMPOSITE COMPRISING A POLYMER AND A LUMINOPHORE AND USE OF THIS COMPOSITE IN A PHOTOVOLTAIC CELL

Title (de)  
LUMINESZIERENDE ZUSAMMENSETZUNG MIT EINEM POLYMER UND EINEM LEUCHTSTOFF UND VERWENDUNG DAVON IN EINER PHOTOVOLTAIKZELLE

Title (fr)  
COMPOSITE LUMINESCENT COMPRENANT UN POLYMER ET UN LUMINOPHORE ET UTILISATION DE CE COMPOSITE DANS UNE CELLULE PHOTOVOLTAIQUE

Publication  
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Application  
**EP 14772370 A 20140925**

Priority  
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Abstract (en)  
[origin: WO2015044261A1] The composite of the invention comprises (a) a polymer selected from ethylene-vinyl acetate, polyethylene terephthalate, ethylene tetrafluoroethylene, ethylene trifluorochloroethylene, fluorinated ethylene propylene, polyvinyl butyral, polyurethane and silicones; (b) an inorganic luminophore based on at least one element chosen from the rare earths, zinc and manganese, which has an external quantum yield greater than or equal to 40% for at least one excitation wavelength between 350 nm and 440 nm; an absorption less than or equal to 10% for a wavelength greater than 440 nm; an average particle size less than 1 µm; this luminophore also having an emission peak in the wavelength region between 440 nm and 900 nm.

IPC 8 full level  
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