

Title (en)  
METHOD FOR PRODUCING A COMPOSITE MATERIAL CONTAINING LUMINESCENT MOLECULES, FOR RENDERING SUSTAINABLE THE ELECTROMAGNETIC CHARACTERISTICS OF SAID MATERIAL

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES VERBUNDSTOFFMATERIALS MIT LUMINESZENTEN MOLEKÜLEN ZUR NACHHALTIGEN DARSTELLUNG DER ELEKTROMAGNETISCHEN EIGENSCHAFTEN DES BESAGTEN MATERIALS

Title (fr)  
PROCÉDÉ DE FABRICATION D'UN MATÉRIAU COMPOSITE CONTENANT DES MOLÉCULES LUMINESCENTES DESTINÉ À RENDRE PÉRENNES LES CARACTÉRISTIQUES ÉLECTROMAGNÉTIQUES DE CE MATÉRIAU

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Application  
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Abstract (en)  
[origin: WO2015104432A1] The invention relates to method for rendering sustainable the electromagnetic characteristics of optically active composite materials, said method comprising: a first step of preparing doped organic compounds by mixing at least one type of optically active molecules with a protective material in order to prevent the contact thereof with photodegradation-inducing elements and the migration of the optically active molecules; a second step of producing optically active nanoparticles including said doped organic compounds; and a third step of producing optically active composite materials by incorporating the optically active nanoparticles into a polymer matrix.

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