Title (en)

MULTILAYER SYSTEMS FOR SELECTIVE REFLECTION OF ELECTROMAGNETIC RADIATION FROM THE WAVELENGTH SPECTRUM OF SUNLIGHT AND METHOD FOR PRODUCING SAME

Title (de)

MEHRSCHICHTSYSTEME FÜR EINE SELEKTIVE REFLEXION ELEKTROMAGNETISCHER STRAHLUNG AUS DEM WELLENLÄNGENSPEKTRUM DES SONNENLICHTS UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

SYSTÈMES MULTICOUCHE PERMETTANT UNE RÉFLEXION SÉLECTIVE D'UN RAYONNEMENT ÉLECTROMAGNÉTIQUE DANS LE SPECTRE DE LONGUEUR D'ONDE DE LA LUMIÈRE SOLAIRE ET LEUR PROCÉDÉ DE FABRICATION

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Application

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Priority

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Abstract (en)

[origin: WO2013053608A1] The invention relates to multilayer systems for selective reflection of electromagnetic radiation from the wavelength spectrum of sunlight, and to a method for producing said systems on suitable, preferably polymeric, carrier materials. Such a multilayer system of the invention is formed with at least one layer composed of silver or a silver alloy, which is coated over the whole area on both surfaces with in each case a seed layer and a cap layer. In this case, the seed layer and cap layer are formed from dielectric material. These are ZnO and/or ZnO:X. In this case, at least one such multilayer system is formed on a flexible polymeric substrate, preferably a film which is optically transparent in the visible spectral range.

IPC 8 full level

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Citation (search report)

See references of WO 2013053608A1

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