

Title (en)

METHOD FOR CONVERTING THE ENERGY OF SOLAR RADIATION INTO AN ELECTRICAL CURRENT AND HEAT BY MEANS OF COLOUR-SELECTIVE INTERFERENCE FILTER MIRRORS, AND A DEVICE PERTAINING TO A CONCENTRATOR/SOLAR COLLECTOR COMPRISING COLOUR-SELECTIVE MIRRORS FOR IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUR ENERGIEUMWANDLUNG SOLARER STRAHLUNG IN ELEKTRISCHEN STROM UND WÄRME UND KONZENTRATOR-SOLARKOLLEKTOR ZUR ANWENDUNG DES VERFAHRENS

Title (fr)

PROCEDE DE TRANSFORMATION DE L'ENERGIE DU RAYONNEMENT SOLAIRE EN COURANT ELECTRIQUE ET EN CHALEUR AU MOYEN DE MIROIRS FILTRES D'INTERFERENCE SELECTIFS EN COULEUR ET DISPOSITIF DE COLLECTEUR-CONCENTRATEUR COMPORTANT DES MIROIRS SELECTIFS EN COULEUR DESTINE A LA MISE EN OEUVRE DUDIT PROCEDE

Publication

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Application

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Abstract (en)

[origin: WO2005074041A2] The invention relates to a method and a device for a concentrator/solar collector for splitting solar radiation into various spectral colours by means of colour-selective mirrors, and for concentrating the same onto a plurality of semiconductor-photovoltaic cells optimised for various light colours. The inventive device is used to convert the energy of the solar radiation into an electrical current and heat with a high efficiency.

IPC 8 full level

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