

Title (en)

PHOTOVOLTAIC CELL FRONT FACE SUBSTRATE AND USE OF A SUBSTRATE FOR A PHOTOVOLTAIC CELL FRONT FACE

Title (de)

VORDERFLÄCHENSUBSTRAT FÜR EINE PHOTOVOLTAISCHE ZELLE UND VERWENDUNG EINES SUBSTRATS FÜR DIE VORDERFLÄCHE EINER PHOTOVOLTAISCHEN ZELLE

Title (fr)

SUBSTRAT DE FACE AVANT DE CELLULE PHOTOVOLTAÏQUE ET UTILISATION D'UN SUBSTRAT POUR UNE FACE AVANT DE CELLULE PHOTOVOLTAÏQUE

Publication

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Application

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Abstract (en)

[origin: WO2009019399A2] The invention relates to a photovoltaic cell with an absorbent photovoltaic material, said cell including a front face substrate (10), in particular a transparent glass substrate (10) made of a stack of thin layers bearing a functional metal layer (40), in particular a silver-based one, and at least two anti-reflection coatings (20, 60), characterised in that the anti-reflection coating (20) provided under the functional metal layer (40) in the substrate direction has an optical thickness of about one eighth of the absorption maximum wavelength of the photovoltaic material and in that the anti-reflection coating (60) provided above the functional metal layer (40) opposite the substrate has an optical thickness equal to about one half of the absorption maximum wavelength of the photovoltaic material.

IPC 8 full level

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