

Title (en)

SUBSTRATE PROVIDED WITH A STACK HAVING THERMAL PROPERTIES AND AN INTERMEDIATE LAYER OF STOICHIOMETRIC COMPOUNDS

Title (de)

SUBSTRAT MIT EINEM STAPEL MIT THERMISCHEN EIGENSCHAFTEN UND EINER ZWISCHENSCHICHT AUS STÖCHIOMETRISCHEN VERBINDUNGEN

Title (fr)

SUBSTRAT MUNI D'UN EMPILEMENT A PROPRIETES THERMIQUES ET A COUCHE INTERMEDIAIRE SUR STOECHIOMETRIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016051066A1] The invention relates to a substrate (10) coated on one surface (11) with a stack of thin layers (14) having infrared- and/or sunlight-reflection properties comprising one functional metal layer (140), particularly made with silver or a metal alloy containing silver, and two anti-reflective coatings (120, 160), said coatings each comprising at least one dielectric layer (122, 164), said functional layer (140) being arranged between the two anti-reflective coatings (120, 160), characterized in that at least one of said anti-reflective coatings (120, 160) comprises an intermediate layer containing zinc oxide ZnO_{1+x} where $0.05 < x < 0.3$ and having a physical thickness of 0.5 nm to 20 nm, or even 2.5 nm to 10 nm.

IPC 8 full level

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