

Title (en)
LOW-EMISSIVITY MATERIAL COMPRISING A SILICON NITRIDE- OR OXYNITRIDE-BASED LAYER AND A ZINC TIN OXIDE-BASED LAYER

Title (de)
EMISSIONSARMES MATERIAL MIT EINER SCHICHT AUF SILICIUMNITRID- ODER OXYNITRIDBASIS UND EINER SCHICHT AUF ZINKZINNOXIDBASIS

Title (fr)
MATÉRIAU BAS ÉMISSIF COMPRENANT UNE COUCHE À BASE DE NITRURE OU D'OXYNITRURE DE SILICIUM ET UNE COUCHE À BASE D'OXYDE DE ZINC ET D'ÉTAIN

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Application
EP 21732440 A 20210507

Priority

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Abstract (en)
[origin: WO2021229166A1] The invention relates to a material comprising a transparent substrate coated with a stack comprising at least one silver-based functional metal layer and at least two dielectric coatings, each dielectric coating comprising at least one dielectric layer, such that each functional metal layer is arranged between two dielectric coatings, characterised in that the dielectric coating located in contact with the substrate comprises: - a layer comprising silicon selected from silicon oxynitride or nitride-based layers located directly in contact with the substrate; - a layer based on zinc oxide and tin comprising at least 20% by mass of tin relative to the total mass of zinc and tin located directly in contact with the layer comprising silicon, the sum of the thicknesses of all oxide-based layers present in the dielectric coating located between the substrate and the first functional metal layer and/or in each dielectric coating located above the first silver-based functional layer is greater than 50% of the total thickness of the dielectric coating.

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Citation (search report)
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