

Title (en)

MATERIALS COMPRISING A FUNCTIONAL COATING USED IN THE FORM OF LAMINATED AND MULTIPLE GLAZING

Title (de)

MATERIALIEN MIT EINER FUNKTIONELLEN BESCHICHTUNG IN FORM VON VERBUNDGLAS UND MEHRFACHVERGLASUNG

Title (fr)

MATÉRIAUX COMPRENANT UN REVÊTEMENT FONCTIONNEL UTILISÉ SOUS FORME DE VITRAGES FEUILLETÉS ET MULTIPLES

Publication

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Application

**EP 22750856 A 20220630**

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Abstract (en)

[origin: WO2023281189A1] The invention relates to a material comprising a transparent substrate coated with a functional coating, comprising, consecutively from the substrate, an alternation of three silver-based functional metal layers and four dielectric coatings (Di1, Di2, Di3 and Di4) which each have an optical thickness Eo1, Eo2, Eo3 and Eo4, each dielectric coating comprising at least one dielectric layer so that each functional metal layer is arranged between two dielectric coatings, wherein: - the dielectric coating Di1 has an optical thickness Eo1 of less than 80 nm, - the dielectric coating Di2 has an optical thickness Eo2 of less than 160 nm, - the dielectric coating Di3 has an optical thickness Eo3 of less than 160 nm, - the dielectric coating Di4 has an optical thickness Eo4 of less than 60 nm, - Eo2/Eo1 is greater than 1.70 including this value, - the thickness of the second functional metal layer is less than 12 nm, and - the ratio of the thickness of the third functional metal layer to the thickness of the first functional metal layer Ag3/Ag1 is greater than or equal to 1.20.

IPC 8 full level

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