

Title (en)

GLASS PANEL INCLUDING A SUBSTRATE COATED WITH A STACK THAT INCLUDES AT LEAST ONE SILVER FUNCTIONAL LAYER

Title (de)

GLASSCHEIBE MIT SUBSTRAT MIT EINER BESCHICHTUNG MIT EINEM STAPEL AUS MINDESTENS EINER SILBERFUNKTIONSSCHICHT

Title (fr)

VITRAGE COMPRENANT UN SUBSTRAT REVETU D'UN EMPILEMENT COMPRENANT AU MOINS UNE COUCHE FONCTIONNELLE A BASE D'ARGENT

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Application

EP 16713528 A 20160224

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Abstract (en)

[origin: WO2016135420A1] The invention relates to a material including a transparent substrate coated with a stack of thin layers including at least one silver functional metal layer that contains a doping element having a thickness E, is formed from monocrystalline grains having a side dimension D defined as a chord of the grain edge, and is characterized in that the ratio D/E is greater than 1.05. Said material is characterized by a stack of thin layers including at least one silver functional metal layer arranged between two dielectric material coatings. Said dielectric coatings include at least one dielectric layer, advantageously located on the bottom of said silver functional layer and made of optionally doped zinc oxide. The invention also relates to the method for preparing such a material, said method including a step for laterally growing the grains via heat treatment. Said growth is induced by diffusing the doping elements.

IPC 8 full level

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Citation (search report)

See references of WO 2016135420A1

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