

Title (en)

LOW-E MATCHABLE COATED ARTICLES HAVING DOPED SEED LAYER UNDER SILVER, AND CORRESPONDING METHODS

Title (de)

ABSTIMMBARE BESCHICHTETE LOW-E-ARTIKEL MIT DOTIERTER STARTSCHICHT UNTER SILVER UND ZUGEHÖRIGE VERFAHREN

Title (fr)

ARTICLES REVÊTUS AJUSTABLES À FAIBLE ÉMISSIVITÉ AYANT UNE COUCHE DE GERME DOPÉE SOUS L'ARGENT, ET PROCÉDÉS CORRESPONDANTS

Publication

EP 3894365 A1 20211020 (EN)

Application

EP 19835761 A 20191216

Priority

- US 201816220037 A 20181214
- IB 2019060863 W 20191216

Abstract (en)

[origin: WO2020121285A1] A low-E coating has good color stability (a low ΔE^* value) upon heat treatment (HT). Thermal stability may be improved by the provision of an as-deposited crystalline or substantially crystalline layer of or including zinc oxide, doped with at least one dopant (e.g., Sn), immediately under an infrared (IR) reflecting layer of or including silver; and/or by the provision of at least one dielectric layer of or including at least one of: (a) an oxide of silicon and zirconium, (b) an oxide of zirconium, and (c) an oxide of silicon. These have the effect of significantly improving the coating's thermal stability (i.e., lowering the ΔE^* value).

IPC 8 full level

C03C 17/36 (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2020121285A1

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