

Title (en)

LOW-EMISSIVE MATERIAL COMPRISING AN INTERMEDIATE COATING COMPRISING TWO DIFFERENT LAYERS CONTAINING SILICON

Title (de)

EMISSIONSARMES MATERIAL MIT EINER ZWISCHENBESCHICHTUNG MIT ZWEI VERSCHIEDENEN SILICIUMHALTIGEN SCHICHTEN

Title (fr)

MATÉRIAU BAS ÉMISSIF COMPRENANT UN REVÊTEMENT INTERMÉDIAIRE COMPRENANT DEUX COUCHES COMPRENANT DU SILICIUM DIFFÉRENTES

Publication

**EP 4149896 A1 20230322 (FR)**

Application

**EP 21732438 A 20210507**

Priority

- FR 2004681 A 20200512
- FR 2021050785 W 20210507

Abstract (en)

[origin: WO2021229164A1] 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, so that each functional metal layer is placed between two dielectric coatings, characterized in that the dielectric coating located in contact with the substrate comprises an intermediate coating comprising two different layers containing silicon, the two layers containing silicon consist of different chemical elements or compounds of the same elements in different proportions.

IPC 8 full level

**C03C 17/36** (2006.01); **C23C 14/00** (2006.01)

CPC (source: EP US)

**C03C 17/3435** (2013.01 - US); **C03C 17/36** (2013.01 - EP); **C03C 17/3607** (2013.01 - US); **C03C 17/3618** (2013.01 - EP); **C03C 17/3626** (2013.01 - EP); **C03C 17/3636** (2013.01 - EP); **C03C 17/3644** (2013.01 - EP); **C03C 17/3652** (2013.01 - EP); **C03C 17/366** (2013.01 - EP); **C03C 17/3681** (2013.01 - EP); **C23C 14/024** (2013.01 - EP); **C23C 14/08** (2013.01 - EP); **C23C 14/10** (2013.01 - EP); **C23C 14/34** (2013.01 - EP); **C03C 2217/216** (2013.01 - US); **C03C 2217/256** (2013.01 - US); **C03C 2217/944** (2013.01 - EP)

Citation (search report)

See references of WO 2021229164A1

Designated contracting state (EPC)

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BA ME

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DOCDB simple family (publication)

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DOCDB simple family (application)

**FR 2004681 A 20200512**; BR 112022021997 A 20210507; CO 2022016077 A 20221110; EP 21732438 A 20210507; FR 2021050785 W 20210507; MX 2022014176 A 20210507; US 202117924081 A 20210507