

Title (en)

SUSBTRATE PROVIDED WITH A STACK HAVING THERMAL PROPERTIES, COMPRISING AT LEAST ONE NICKEL OXIDE LAYER

Title (de)

SUBSTRAT MIT EINEM STAPEL MIT THERMISCHEN EIGENSCHAFTEN MIT MINDESTENS EINER NICKELOXIDSCHICHT

Title (fr)

SUBSTRAT MUNI D'UN EMPILEMENT A PROPRIETES THERMIQUES COMPORTANT AU MOINS UNE COUCHE EN OXYDE DE NICKEL

Publication

EP 3383812 A1 20181010 (FR)

Application

EP 16819143 A 20161201

Priority

- FR 1561721 A 20151202
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Abstract (en)

[origin: WO2017093676A1] The invention relates to a transparent substrate (30), the main face of which is provided with a stack of thin layers including at least one, or a single, functional metal layer (140) having reflection properties in the infrared and/or solar radiation ranges, in particular based on silver or metal alloy containing silver, and two anti-reflection coatings (120, 160), each comprising at least one dielectric layer (122, 126; 162, 168). The above-mentioned functional layer (140) is disposed between the two anti-reflection coatings (120, 160). The substrate is characterised in that at least one nickel oxide layer NixO is located on or in contact with the functional layer (140) starting at the substrate (30), the physical thickness of said nickel oxide layer NixO being at least 0.3 nm, or between 0.6 and 8.0 nm, or even between 1.0 and 5.0 nm.

IPC 8 full level

C03C 17/36 (2006.01)

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Citation (search report)

See references of WO 2017093676A1

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FR 2016053171 W 20161201; BR 112018011069 A 20161201; CA 3006870 A 20161201; CN 201680080883 A 20161201; CO 2018006931 A 20180629; EP 16819143 A 20161201; FR 1561721 A 20151202; JP 2018528768 A 20161201; KR 20187018223 A 20161201; MX 2018006763 A 20161201; RU 2018123319 A 20161201; US 201615780884 A 20161201