

Title (en)
LAYER SYSTEM OF A TRANSPARENT SUBSTRATE AND METHOD FOR PRODUCING A LAYER SYSTEM

Title (de)
SCHICHTSYSTEM EINES TRANSPARENTE SUBSTRATS SOWIE VERFAHREN ZUR HERSTELLUNG EINES SCHICHTSYSTEMS

Title (fr)
SYSTÈME DE COUCHES D'UN SUBSTRAT TRANSPARENT ET PROCÉDÉ DE PRODUCTION D'UN SYSTÈME DE COUCHES

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Abstract (en)
[origin: WO2015014854A2] The invention relates to a layer system of a transparent substrate (100) reflecting an infrared radiation, comprising, arranged in this order: a first dielectric layer (D1) arranged on the transparent substrate (100); a second dielectric layer (D2) arranged on the first dielectric layer (D1); a first metal layer system (MS1) comprising, in this order: a first metal layer (M1), preferably made of or comprising Ag; a first blocking layer (B1). A dielectric barrier cover layer system (BDS) is provided. The first dielectric layer (D1) is made of or comprises SiO₂, and the second dielectric layer (D2) is made of or comprises TiO₂ or Al₂O₃, or the first dielectric layer (D1) is made of or comprises Al₂O₃ and the second dielectric layer (D2) is made of or comprises TiO₂. In the method for producing an infrared reflective layer system on a provided transparent substrate (100) according to the invention, at least one of the applied individual layers is applied by sputtering a ceramic target or by reactive sputtering.

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Citation (search report)
See references of WO 2015014854A2

Citation (examination)

- CN 102503174 A 20120620 - TORCH BRANCH OF ZHONGSHAN GLAND IND CO LTD
- US 2003165693 A1 20030904 - HARTIG KLAUS [US], et al

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