

Title (en)  
GLASS SUBSTRATE WITH SLIGHTLY ROUGH LAYER

Title (de)  
GLASSUBSTRAT MIT LEICHT RAUER SCHICHT

Title (fr)  
SUBSTRAT VERRIER A COUCHE FAIBLEMENT RUGUEUSE

Publication  
**EP 2694448 A1 20140212 (FR)**

Application  
**EP 12718284 A 20120330**

Priority  
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• FR 2012050690 W 20120330

Abstract (en)  
[origin: WO2012136919A1] The invention relates to - a glass substrate, characterized in that it is provided with a layer constituted of crystallites of at least 25 nm, covered directly with a layer constituted of crystallites of at most 10 nm; - the process for manufacturing same; - the applications thereof in a photovoltaic cell electrode, as low-emissivity glazing or in solar control.

IPC 8 full level  
**C03C 17/34** (2006.01); **C23C 14/00** (2006.01)

CPC (source: EP KR US)  
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Citation (search report)  
See references of WO 2012136919A1

Citation (examination)  
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• XIAO ZHI ET AL: "The morphological, optical and electrical properties of SnO<sub>2</sub>:F thin films prepared by spray pyrolysis", SURFACE AND INTERFACE ANALYSIS., vol. 40, no. 2, 1 February 2008 (2008-02-01), GB, pages 67 - 70, XP055252593, ISSN: 0142-2421, DOI: 10.1002/sia.2693  
• YADAV A A ET AL: "Electrical, structural and optical properties of SnO<sub>2</sub>:F thin films: Effect of the substrate temperature", JOURNAL OF ALLOYS AND COMPOUNDS, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 488, no. 1, 20 November 2009 (2009-11-20), pages 350 - 355, XP026783646, ISSN: 0925-8388, [retrieved on 20090901], DOI: 10.1016/J.JALLCOM.2009.08.130  
• THANGARAJU B ED - AOUADI SAMIR BROITMAN ESTEBAN FIGUEROA CARLOS FRANZ ROBERT VEPREK STAN STÜBER MICHAEL:  
"Structural and electrical studies on highly conducting spray deposited fluorine and antimony doped SnO<sub>2</sub> thin films from SnCl<sub>2</sub> precursor", THIN SOLID FILMS, ELSEVIER-SEQUOIA S.A. LAUSANNE, CH, vol. 402, no. 1-2, 1 January 2002 (2002-01-01), pages 71 - 78, XP004329936, ISSN: 0040-6090, DOI: 10.1016/S0040-6090(01)01667-4

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