

Title (en)  
GLASS COMPRISING A POROUS ANTI-REFLECTION SURFACE COATING AND METHOD FOR PRODUCING ONE SUCH GLASS

Title (de)  
GLAS MIT EINER PORÖSEN ANTIREFLEX-OBERFLÄCHENBESCHÜTTUNG SOWIE VERFAHREN ZUR HERSTELLUNG DES GLASES

Title (fr)  
VERRE A REVETEMENT SUPERFICIEL POREUX ANTIREFLECHISSANT, ET PROCEDE DE FABRICATION D'UN TEL VERRE

Publication  
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Application  
**EP 02799412 A 20020919**

Priority  

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Abstract (en)  
[origin: WO03027034A2] The invention relates to a glass (1) which is provided with a porous anti-reflection surface coating (2) based on SiO<sub>2</sub> particles. The aim of the invention is to provide one such glass with especially good optical properties in terms of a high degree of light transmission in the entire solar spectrum, and with an especially high mechanical resistance, especially a high mechanical abrasion resistance. To this end, the antireflection surface coating (2) based on SiO<sub>2</sub> particles comprises at least two particle fractions which differ from each other in their characteristic particle size. In order to produce a glass (1) which is coated in such a way, a glass substrate (4) is coated with a hybrid sol, the [SiO<sub>x</sub>(OH)<sub>y</sub>]n particles of said hybrid sol having a first fraction of particles of a first particle size and a second fraction of particles of a second particle size.

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**C03C 1/00**

IPC 8 full level

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CPC (source: EP US)

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**Y02E 10/40** (2013.01 - EP US); **Y10T 428/249969** (2015.04 - EP US)

Citation (search report)

See references of WO 03027034A2

Cited by

WO2014023716A1; WO2012107392A1; WO2011157820A1; WO2013174754A2

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