

Title (en)

COATING SYSTEM FOR GLASS SURFACES, METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)

BESCHICHTUNGSSYSTEM FÜR GLASOBERFLÄCHEN, VERFAHREN ZU DESSEN HERSTELLUNG UND DESSEN ANWENDUNG

Title (fr)

SYSTEME DE REVETEMENT DE SURFACES EN VERRE, SON PROCEDE DE PRODUCTION ET SON UTILISATION

Publication

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Application

**EP 04739582 A 20040604**

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Abstract (en)

[origin: WO2004108846A2] The invention relates to a coating system containing TiO<sub>2</sub> and a coating based on silanes and/or siloxanes. The TiO<sub>2</sub> has an average crystallite size d<sub>50</sub> of 1 - 100 nm and the thickness of the TiO<sub>2</sub>-layer is between 1 - 1000 nm. The coating system can be produced applying a TiO<sub>2</sub> coating and subsequently a silane coating to a substrate. The coating system can be used in the production of automatic cleaning and/or easy-to-look after surfaces (e.g. glass surfaces) and the production of surfaces having switchable hydrophobic and hydrophilic properties, e.g. in the production of printing plates or drums which are etched with UV radiation.

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