

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

EP 1651581 A2 20060503 (DE)

Application

EP 04739582 A 20040604

Priority

- EP 2004006026 W 20040604
- DE 10325768 A 20030605

Abstract (en)

[origin: WO2004108846A2] The invention relates to a coating system containing TiO₂ and a coating based on silanes and/or siloxanes. The TiO₂ has an average crystallite size d₅₀ of 1 - 100 nm and the thickness of the TiO₂-layer is between 1 - 1000 nm. The coating system can be produced applying a TiO₂ 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.

IPC 1-7

C03C 17/00

IPC 8 full level

C03C 17/00 (2006.01); **C03C 17/42** (2006.01); **G03F 7/004** (2006.01); **G03F 7/075** (2006.01)

CPC (source: EP)

C03C 17/007 (2013.01); **C03C 17/42** (2013.01); **G03F 7/0043** (2013.01); **G03F 7/0757** (2013.01); **C03C 2217/445** (2013.01); **C03C 2217/477** (2013.01); **C03C 2217/71** (2013.01)

Citation (search report)

See references of WO 2004108846A2

Cited by

CN108359282A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004108846 A2 20041216; **WO 2004108846 A3 20050714**; DE 10325768 A1 20041223; EP 1651581 A2 20060503

DOCDB simple family (application)

EP 2004006026 W 20040604; DE 10325768 A 20030605; EP 04739582 A 20040604