

Title (en)
COMPONENT WITH A COATING FOR REDUCING THE WETTABILITY OF THE SURFACES AND METHOD FOR PRODUCTION THEREOF

Title (de)
BAUTEIL MIT EINER BESCHICHTUNG ZUR VERRINGERUNG DER BENETZBARKEIT DER OBERFLÄCHE UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
COMPOSANT PRESENTANT UN REVETEMENT CONCU POUR REDUIRE LA MOUILLABILITE DE LA SURFACE ET PROCEDE POUR LE PRODUIRE

Publication
EP 1843864 B1 20120613 (DE)

Application
EP 06707915 A 20060131

Priority
• EP 2006050543 W 20060131
• DE 102005006014 A 20050204

Abstract (en)
[origin: WO2006082180A1] The invention relates to a component made from a substrate with a coating, whereby the coating forms a surface of the component with reduced wettability. The invention further relates to production of said component. The coating which forms a surface with projections (19) and recesses (20), brings about a reduction in wettability, in particular, by means of an effect based on the properties of lotus blossom. According to the invention, a metal with antimicrobial properties, in particular, silver is provided under the coating, which is not fully covered by the coating, in other words, regions (21) remain free of the coating in which the surface of the component is formed by the metal with antimicrobial properties.

IPC 8 full level
B08B 17/06 (2006.01); **C25D 5/10** (2006.01); **C25D 7/00** (2006.01)

CPC (source: EP US)
B08B 17/06 (2013.01 - EP US); **B08B 17/065** (2013.01 - EP US); **C25D 5/10** (2013.01 - EP US); **C25D 5/18** (2013.01 - EP US); **C25D 5/605** (2020.08 - EP US); **C25D 5/611** (2020.08 - EP US); **C25D 7/00** (2013.01 - EP US); **Y10T 428/12472** (2015.01 - EP US); **Y10T 428/12611** (2015.01 - EP US); **Y10T 428/12993** (2015.01 - EP US); **Y10T 428/24364** (2015.01 - EP US); **Y10T 428/2438** (2015.01 - EP US); **Y10T 428/24413** (2015.01 - EP US); **Y10T 428/31** (2015.01 - EP US); **Y10T 428/315** (2015.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102005006014 A1 20060810; BR PI0607111 A2 20090811; CN 101119811 A 20080206; CN 101119811 B 20120523; DK 1843864 T3 20120820; EP 1843864 A1 20071017; EP 1843864 B1 20120613; MX 2007009397 A 20070921; US 2008118772 A1 20080522; US 7935428 B2 20110503; WO 2006082180 A1 20060810

DOCDB simple family (application)
DE 102005006014 A 20050204; BR PI0607111 A 20060131; CN 200680004149 A 20060131; DK 06707915 T 20060131; EP 06707915 A 20060131; EP 2006050543 W 20060131; MX 2007009397 A 20060131; US 88372906 A 20060131