

Title (en)
SURFACE

Title (de)
OBERFLÄCHE

Title (fr)
SURFACE

Publication
EP 1476257 A1 20041117 (DE)

Application
EP 03704394 A 20030115

Priority
• DE 10207194 A 20020221
• EP 0300308 W 20030115

Abstract (en)
[origin: DE10207194C1] The self-cleaning material with an artificially formed surface structure has a basic structure (10) and further structures (12) which have a capillary action with capillary openings (14). The capillary action gives a quotient of the capillary activity and the adhesion of \-1. The capillary structure gives a capillary with a mean capillary radius which is smaller than the radius of the smallest water drops in the ambient environment and especially rain drops.

IPC 1-7
B08B 17/06

IPC 8 full level
B08B 17/06 (2006.01)

CPC (source: EP US)
B08B 17/06 (2013.01 - EP US); **Y10T 428/24** (2015.01 - EP US); **Y10T 428/24008** (2015.01 - EP US); **Y10T 428/24355** (2015.01 - EP US)

Citation (search report)
See references of WO 03070392A1

Citation (examination)
• US 6162040 A 20001219 - CLUNE WILLIAM [US]
• US 3354022 A 19671121 - HAROLD DETTRE ROBERT, et al
• WO 0050232 A1 20000831 - SEIKO EPSON CORP [JP], et al & US 6764745 B1 20040720 - KARASAWA YASUSHI [JP], et al

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 PT SE SI SK TR

DOCDB simple family (publication)
DE 10207194 C1 20030612; EP 1476257 A1 20041117; JP 2005525923 A 20050902; US 2005153096 A1 20050714; US 7691464 B2 20100406; WO 03070392 A1 20030828

DOCDB simple family (application)
DE 10207194 A 20020221; EP 0300308 W 20030115; EP 03704394 A 20030115; JP 2003569342 A 20030115; US 50442804 A 20040813