

Title (en)
PRODUCTION OF SUPERHYDROPHOBIC FIBROUS SUBSTRATES

Title (de)
HERSTELLUNG SUPERHYDROPHOBER FASERSUBSTRATE

Title (fr)
PREPARATION DE SUBSTRATS FIBREUX SUPERHYDROPHOBES

Publication
EP 1954869 A1 20080813 (FR)

Application
EP 06841826 A 20061129

Priority
• FR 2006002615 W 20061129
• FR 0512199 A 20051201

Abstract (en)
[origin: US2009197071A1] Process for the production of a superhydrophobic fibrous substrate. The process involves preparing hydrophobic core-shell microparticles, the microparticles having a core of polyurethane and a shell of polydimethylsiloxane or of polybutadiene, then depositing a liquid suspension of the microparticles on the fibrous substrate. Superhydrophobic fibrous substrates of this kind are useful for the manufacture of textiles intended for apparel, or of coatings for printing.

IPC 8 full level
D06M 23/08 (2006.01); **D06M 15/227** (2006.01); **D06M 15/564** (2006.01); **D06M 15/643** (2006.01); **D21H 17/35** (2006.01); **D21H 17/57** (2006.01); **D21H 17/59** (2006.01); **D21H 21/16** (2006.01); **D21H 21/54** (2006.01)

CPC (source: EP US)
D06M 23/12 (2013.01 - EP US); **D21H 21/16** (2013.01 - EP US); **D21H 21/54** (2013.01 - EP US); **D06M 2200/12** (2013.01 - EP US); **D21H 17/35** (2013.01 - EP US); **D21H 17/57** (2013.01 - EP US); **D21H 17/59** (2013.01 - EP US); **Y10T 428/249978** (2015.04 - EP US); **Y10T 428/254** (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)
WO 2007063217 A1 20070607; AT E541083 T1 20120115; CN 101405454 A 20090408; EP 1954869 A1 20080813; EP 1954869 B1 20120111; FR 2894164 A1 20070608; FR 2894164 B1 20080229; US 2009197071 A1 20090806

DOCDB simple family (application)
FR 2006002615 W 20061129; AT 06841826 T 20061129; CN 200680051494 A 20061129; EP 06841826 A 20061129; FR 0512199 A 20051201; US 9574306 A 20061129