

Title (en)

METHOD FOR MODIFYING THE SURFACE ENERGY OF A SOLID

Title (de)

VERFAHREN ZUR ÄNDERUNG DER OBERFLÄCHENENERGIE EINES FESTKÖRPERS

Title (fr)

PROCÉDÉ POUR MODIFIER L'ÉNERGIE DE SURFACE D'UN SOLIDE

Publication

**EP 2414108 B1 20170927 (FR)**

Application

**EP 10713182 A 20100402**

Priority

- EP 2010054473 W 20100402
- FR 0952147 A 20090402

Abstract (en)

[origin: WO2010112610A2] The present invention relates to a method and to a kit for modifying the surface energy of at least one surface of a solid, including a step consisting of grafting an organic polymer film consisting of graft polymers onto said surface, each polymer having a first unit directly bonded to said surface, derived from a cleavable aryl salt, and at least one other unit of the polymer chain, derived from an element selected from the group consisting of a fluorinated cleavable aryl salt, a fluorinated (meth)acrylate and a vinyl-terminated siloxane.

IPC 8 full level

**B05D 1/34** (2006.01); **B05D 5/08** (2006.01)

CPC (source: EP US)

**B05D 1/34** (2013.01 - EP US); **B05D 5/083** (2013.01 - EP US); **B05D 3/007** (2013.01 - EP US); **B05D 3/104** (2013.01 - EP US); **B05D 2203/35** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010112610 A2 20101007; WO 2010112610 A3 20101209**; EP 2414108 A2 20120208; EP 2414108 B1 20170927; FR 2943930 A1 20101008; FR 2943930 B1 20110930; JP 2012522663 A 20120927; JP 5889180 B2 20160322; US 2012196035 A1 20120802; US 9381541 B2 20160705

DOCDB simple family (application)

**EP 2010054473 W 20100402**; EP 10713182 A 20100402; FR 0952147 A 20090402; JP 2012502707 A 20100402; US 201013262559 A 20100402