

Title (en)  
POLYMERS HAVING SUPERHYDROPHOBIC SURFACES

Title (de)  
POLYMERE MIT SUPERHYDROPHOBEN OBERFLÄCHEN

Title (fr)  
POLYMÈRES AYANT DES SURFACES SUPERHYDROPHOBES

Publication  
**EP 2681259 A4 20180221 (EN)**

Application  
**EP 12752075 A 20120228**

Priority

- US 201161447508 P 20110228
- US 201161447515 P 20110228
- US 201161555888 P 20111104
- US 2012026942 W 20120228

Abstract (en)  
[origin: WO2012118805A2] The disclosure relates methods of preparing a superhydrophobic surface. The methods include laminating a polymer sheet having a surface to a template having a textured surface or a layer of a nanomaterial (e.g., nanoparticles or nanofibers) to convert the surface of the polymer sheet to a hydrophobic surface having a water contact angle of at least about 150°.

IPC 8 full level  
**C08J 3/00** (2006.01); **B29C 59/00** (2006.01); **B32B 3/30** (2006.01); **B32B 27/14** (2006.01); **C08J 5/18** (2006.01)

CPC (source: EP)  
**B29C 37/0075** (2013.01); **B29C 59/022** (2013.01); **B82Y 30/00** (2013.01); **C08J 5/005** (2013.01); **B08B 17/065** (2013.01); **B29C 59/04** (2013.01); **B29C 2059/023** (2013.01); **B29C 2059/028** (2013.01); **B29K 2995/0093** (2013.01); **C08J 2300/22** (2013.01); **C08J 2300/24** (2013.01); **C08J 2323/06** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012118805 A2 20120907; WO 2012118805 A3 20121213**; EP 2681259 A2 20140108; EP 2681259 A4 20180221

DOCDB simple family (application)  
**US 2012026942 W 20120228**; EP 12752075 A 20120228