

Title (en)
HIGH-PERFORMANCE FIBROUS PRODUCTS

Title (de)
HOCHLEISTUNGSFÄHIGE FASERPRODUKTE

Title (fr)
PRODUITS FIBREUX À HAUTE PERFORMANCE

Publication
EP 2683460 A2 20140115 (EN)

Application
EP 12755436 A 20120307

Priority
• US 201161450407 P 20110308
• US 2012028054 W 20120307

Abstract (en)
[origin: WO2012122257A2] The invention relates to formulations and methods for coating a fibrous web, comprising an emulsion capable of deposition on the fibrous web, the emulsion comprising an aqueous continuous phase and a discontinuous internal phase comprising a surface-modifying agent. The fibrous web may comprise a population of fibers that are pretreated with a pretreatment polymer, such as a polycationic polymer. The fibrous web may contain cellulose fibers, or two populations of dissimilar fibers. The surface-modifying agent may contain a polymeric system that forms a coating polymer on fibers of the fibrous web following evaporation of the aqueous continuous phase of the emulsion.

IPC 8 full level
B01D 37/00 (2006.01); **B01D 39/02** (2006.01); **B29C 67/20** (2006.01); **D21H 19/16** (2006.01); **D21H 19/30** (2006.01); **D21H 21/34** (2006.01)

CPC (source: EP)
D21H 19/16 (2013.01); **D21H 21/34** (2013.01); **D21H 19/30** (2013.01)

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 2012122257 A2 20120913; WO 2012122257 A3 20121108; AU 2012225524 A1 20131031; BR 112013022741 A2 20190924; CA 2829373 A1 20120913; CL 2013002576 A1 20140627; CN 103533998 A 20140122; EP 2683460 A2 20140115; EP 2683460 A4 20141112; JP 2014510847 A 20140501; RU 2013144846 A 20150420

DOCDB simple family (application)
US 2012028054 W 20120307; AU 2012225524 A 20120307; BR 112013022741 A 20120307; CA 2829373 A 20120307; CL 2013002576 A 20130906; CN 201280012258 A 20120307; EP 12755436 A 20120307; JP 2013557826 A 20120307; RU 2013144846 A 20120307