

Title (en)

IMPROVED FIBERGLASS REINFORCED COMPOSITES

Title (de)

VERBESSERTE GLASFASERVERSTÄRKTE VERBUNDSTOFFE

Title (fr)

COMPOSITES RENFORCÉS PAR DES FIBRES DE VERRE AMÉLIORÉS

Publication

EP 2879989 A1 20150610 (EN)

Application

EP 13752732 A 20130805

Priority

- US 201261679196 P 20120803
- US 201261727453 P 20121116
- US 2013053573 W 20130805

Abstract (en)

[origin: US2014038481A1] A fiberglass reinforced composite is provided with improved physical properties. The fiberglass reinforced composite incorporates core-shell rubber nanoparticles within the resinous binder of the composite and/or within a sizing composition coated directly onto the individual glass fibers.

IPC 8 full level

B82Y 30/00 (2011.01); **C01B 33/12** (2006.01); **C01B 33/18** (2006.01); **C08L 95/00** (2006.01); **C09D 7/62** (2018.01); **E04D 1/20** (2006.01)

CPC (source: EP KR US)

C08J 5/005 (2013.01 - EP KR US); **C08J 5/043** (2013.01 - EP KR US); **C08K 9/04** (2013.01 - KR); **C09D 7/62** (2017.12 - EP KR US); **C09D 7/70** (2017.12 - EP US); **C09D 195/00** (2013.01 - KR); **D04H 1/4218** (2013.01 - EP US); **D04H 1/587** (2013.01 - EP US); **D04H 1/64** (2013.01 - EP US); **E04D 1/20** (2013.01 - EP KR US); **C08J 2333/00** (2013.01 - EP US); **C08J 2361/24** (2013.01 - EP US); **C09D 195/00** (2013.01 - EP US); **Y10T 428/254** (2015.01 - EP US); **Y10T 442/20** (2015.04 - EP US); **Y10T 442/699** (2015.04 - EP US)

Citation (search report)

See references of WO 2014022845A1

Citation (examination)

ANONYMOUS: "Choosing Laser Diffraction or Dynamic Light Scattering (DLS) - HORIBA", 26 August 2016 (2016-08-26), XP055298061, Retrieved from the Internet <URL:http://www.horiba.com/scientific/products/particle-characterization/education/general-information/practical-tips/choosing-laser-diffraction-or-dynamic-light-scattering-dls/> [retrieved on 20160826]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2014038481 A1 20140206; BR 112015002386 A2 20170704; CA 2880548 A1 20140206; CN 104812696 A 20150729; CN 104812696 B 20191129; EP 2879989 A1 20150610; JP 2015531015 A 20151029; JP 6320380 B2 20180509; KR 102111816 B1 20200515; KR 20150039822 A 20150413; MX 2015001470 A 20150820; WO 2014022845 A1 20140206

DOCDB simple family (application)

US 201313958920 A 20130805; BR 112015002386 A 20130805; CA 2880548 A 20130805; CN 201380046719 A 20130805; EP 13752732 A 20130805; JP 2015525642 A 20130805; KR 20157005470 A 20130805; MX 2015001470 A 20130805; US 2013053573 W 20130805