

Title (en)

PROPPANT PARTICLES FORMED FROM SLURRY DROPLETS AND METHODS OF USE

Title (de)

AUS SCHLAMMTROPFCHEN GEFORMTE STÜTZMITTELTEILCHEN UND VERFAHREN ZUR VERWENDUNG

Title (fr)

PARTICULES D'AGENT DE SOUTÈNEMENT CONSTITUÉES DE GOUTTELETTES DE BOUILLIE ET PROCÉDÉS D'UTILISATION

Publication

EP 3201430 A1 20170809 (EN)

Application

EP 15845777 A 20150929

Priority

- US 201414502483 A 20140930
- US 2015052912 W 20150929

Abstract (en)

[origin: WO2016054022A1] Proppant particles formed from slurry droplets and methods of use are disclosed herein. The proppant particles can include a sintered ceramic material and can have a size of about 80 mesh to about 10 mesh and an average largest pore size of less than about 20 microns. The methods of use can include injecting a hydraulic fluid into a subterranean formation at a rate and pressure sufficient to open a fracture therein and injecting a fluid containing a proppant particle into the fracture, the proppant particle including a sintered ceramic material, a size of about 80 mesh to about 10 mesh, and an average largest pore size of less than about 20 microns.

IPC 8 full level

E21B 43/267 (2006.01)

CPC (source: EP)

C04B 33/04 (2013.01); **C04B 35/1115** (2013.01); **C04B 35/624** (2013.01); **C04B 35/62655** (2013.01); **C04B 35/62695** (2013.01); **C04B 38/009** (2013.01); **C09K 8/62** (2013.01); **C09K 8/80** (2013.01); **C04B 2235/528** (2013.01); **C04B 2235/5427** (2013.01); **C04B 2235/77** (2013.01); **C04B 2235/94** (2013.01); **C04B 2235/96** (2013.01); **C04B 2235/963** (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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016054022 A1 20160407; AU 2015323963 A1 20170420; BR 112017006443 A2 20171212; CA 2963249 A1 20160407; CN 107109919 A 20170829; EA 201790697 A1 20171031; EP 3201430 A1 20170809; EP 3201430 A4 20180606; MX 2017004164 A 20170719

DOCDB simple family (application)

US 2015052912 W 20150929; AU 2015323963 A 20150929; BR 112017006443 A 20150929; CA 2963249 A 20150929; CN 201580059206 A 20150929; EA 201790697 A 20150929; EP 15845777 A 20150929; MX 2017004164 A 20150929