

Title (en)  
HIGH STRENGTH LOW DENSITY SYNTHETIC PROPPANTS FOR HYDRAULICALLY FRACTURING AND RECOVERING HYDROCARBONS

Title (de)  
HOCHFESTE SYNTHETISCHE DICHTHE STÜTZMITTEL MIT NIEDRIGER DICHTHE ZUR HYDRAULISCHEN FRAKTURIERUNG UND WIEDERGEGWINNUNG VON KOHLENWASSERSTOFFEN

Title (fr)  
AGENTS DE SOUTÈNEMENT SYNTHÉTIQUES À FAIBLE DENSITÉ ET À HAUTE RÉSISTANCE POUR LA FRACTURATION HYDRAULIQUE ET LA RÉCUPÉRATION D'HYDROCARBURES

Publication  
**EP 3017015 A4 20170705 (EN)**

Application  
**EP 14820225 A 20140703**

Priority

- US 201361843014 P 20130704
- US 201461946598 P 20140228
- US 201414212896 A 20140314
- US 201414268150 A 20140502
- US 2014045494 W 20140703

Abstract (en)  
[origin: WO2015003175A1] There is provided synthetic proppants, and in particular polysilocarb derived ceramic proppants. There is further provided hydraulic fracturing treatments utilizing these proppants, and methods of enhance hydrocarbon recovery.

IPC 8 full level  
**C09K 8/80** (2006.01)

CPC (source: EP MX)  
**C04B 35/5603** (2013.01 - EP MX); **C09K 8/66** (2013.01 - EP MX); **C09K 8/80** (2013.01 - EP MX); **C04B 2235/408** (2013.01 - EP MX); **C04B 2235/483** (2013.01 - EP MX); **C04B 2235/528** (2013.01 - EP); **C04B 2235/5296** (2013.01 - EP); **C04B 2235/6567** (2013.01 - EP); **C04B 2235/6586** (2013.01 - EP); **C04B 2235/77** (2013.01 - EP); **C04B 2235/96** (2013.01 - EP)

Citation (search report)

- [E] WO 2014179662 A2 20141106 - MELIOR TECHNOLOGY INC [US]
- [A] US 5582250 A 19961210 - CONSTIEN VERNON G [US]
- See references of WO 2015003175A1

Cited by  
DE102022115977A1; WO2024002419A1

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 2015003175 A1 20150108**; AP 2015008964 A0 20151231; AU 2014285028 A1 20160128; CA 2917146 A1 20150108; CN 105745299 A 20160706; CN 105745299 B 20200313; EP 3017015 A1 20160511; EP 3017015 A4 20170705; MX 2016000097 A 20160718; RU 2016103368 A 20170810; SG 11201600012Q A 20160226; WO 2015009464 A1 20150122; WO 2015009465 A1 20150122

DOCDB simple family (application)  
**US 2014045494 W 20140703**; AP 2015008964 A 20140703; AU 2014285028 A 20140703; CA 2917146 A 20140703; CN 201480048718 A 20140703; EP 14820225 A 20140703; MX 2016000097 A 20140703; RU 2016103368 A 20140703; SG 11201600012Q A 20140703; US 2014045497 W 20140703; US 2014045500 W 20140703