

Title (en)

USE OF IONIZED FLUID IN HYDRAULIC FRACTURING

Title (de)

VERWENDUNG EINER IONISIERTEN FLÜSSIGKEIT BEI HYDRAULISCHEM FRACKING

Title (fr)

UTILISATION D'UN FLUIDE IONISÉ LORS D'UNE FRACTURATION HYDRAULIQUE

Publication

**EP 3134608 A1 20170301 (EN)**

Application

**EP 14887277 A 20140328**

Priority

US 2014032238 W 20140328

Abstract (en)

[origin: WO2015147873A1] A method and system for generating an ionized fluid, injecting the ionized fluid into fissures in a subterranean formation, pressurizing the ionized fluid, whereby the crystalline structure of a portion of the shale deposits located at the fissures are changed into suspended particles, whereby the depressurization of the ionized fluid forces the suspended particles out of the fissures, increasing the flow of hydrocarbons from those fissures.

IPC 8 full level

**E21B 43/25** (2006.01)

CPC (source: EP)

**C09K 8/66** (2013.01); **C09K 8/84** (2013.01); **C09K 8/92** (2013.01); **E21B 43/267** (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 2015147873 A1 20151001**; AU 2014388273 A1 20161027; AU 2014388273 B2 20170824; AU 2017265086 A1 20171214; AU 2017265086 B2 20190314; CA 2941564 A1 20151001; CN 106414896 A 20170215; EP 3134608 A1 20170301; EP 3134608 A4 20171220; RU 2641681 C1 20180119

DOCDB simple family (application)

**US 2014032238 W 20140328**; AU 2014388273 A 20140328; AU 2017265086 A 20171123; CA 2941564 A 20140328; CN 201480079262 A 20140328; EP 14887277 A 20140328; RU 2016137829 A 20140328