

Title (en)

HIGH TEMPERATURE AQUEOUS-BASED ZIRCONIUM FRACTURING FLUID AND USE

Title (de)

WÄSSRIGE ZIRKONIUM-HOCHTEMPERATUR-FRACTURING-FLUID UND VERWENDUNG

Title (fr)

LIQUIDE DE FRACTURATION AQUEUX AU ZIRCONIUM DE HAUTE TEMPÉRATURE ET SON UTILISATION

Publication

EP 2209868 A1 20100728 (EN)

Application

EP 08845191 A 20081031

Priority

- US 2008082024 W 20081031
- US 160307 P 20071102

Abstract (en)

[origin: US2009114390A1] A fracturing fluid or crosslinking composition suitable for use at high temperature (275-340° F., 135-171° C.) comprising (a) an aqueous liquid, (b) brine, (c) a thermal stabilizer, (d) a non-delaying alkaline buffer sufficient to provide a pH less than 9, (e) an organic acid, (f) hydroxypropyl guar and (g) a zirconium crosslinking agent. The composition is useful as a fracturing fluid in oil field applications, for example, for hydraulically fracturing a subterranean formation or selectively plugging a permeable zone or leak in a subterranean formation.

IPC 8 full level

C09K 8/512 (2006.01); **C09K 8/60** (2006.01); **C09K 8/68** (2006.01)

CPC (source: EP US)

C09K 8/512 (2013.01 - EP US); **C09K 8/685** (2013.01 - EP US); **C09K 8/887** (2013.01 - EP US)

Citation (search report)

See references of WO 2009059160A1

Cited by

RU2741883C1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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