

Title (en)

FLUIDS FOR USE WITH HIGH-FREQUENCY DOWNHOLE TOOLS

Title (de)

FLÜSSIGKEITEN ZUR VERWENDUNG MIT HOCHFREQUENTEN BOHRLOCHWERKZEUGEN

Title (fr)

FLUIDES DESTINÉS À ÊTRE UTILISÉS AVEC DES OUTILS DE FOND DE PUITS À FRÉQUENCE ÉLEVÉE

Publication

EP 2859060 A4 20151230 (EN)

Application

EP 13800948 A 20130529

Priority

- US 201261656733 P 20120607
- US 201213545706 A 20120710
- US 201313903692 A 20130528
- US 2013043004 W 20130529

Abstract (en)

[origin: WO2013184457A1] A fluid may contain nanoparticles and a base fluid where the base fluid may be a non-aqueous fluid. The base fluid may be, but is not limited to a drilling fluid, a completion fluid, a production fluid, and/or a stimulation fluid. The fluid may have at least one property, such as but not limited to a relative dielectric constant ranging from about 5 to about 10,000, an electrical conductivity ranging from about 1×10^{-6} S/m to about 1 S/m, and combinations thereof. The non aqueous fluid may be a brine-in-oil emulsion, or a water-in-oil emulsion, and combinations thereof. The addition of nanoparticles to the base fluid may modify the electrical properties of the fluid.

IPC 8 full level

C09K 8/32 (2006.01); **E21B 43/22** (2006.01)

CPC (source: EP)

C09K 8/32 (2013.01); **C09K 2208/10** (2013.01)

Citation (search report)

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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 2013184457 A1 20131212; AU 2013271988 A1 20141204; EP 2859060 A1 20150415; EP 2859060 A4 20151230; MX 2014014606 A 20150305

DOCDB simple family (application)

US 2013043004 W 20130529; AU 2013271988 A 20130529; EP 13800948 A 20130529; MX 2014014606 A 20130529