

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 A1 20150415 (EN)**

Application

**EP 13800948 A 20130529**

Priority

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- 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  $1 \times 10^{-6}$  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

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CPC (source: EP)

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