

Title (en)

IN SITU PUMP FOR DOWNHOLE APPLICATIONS

Title (de)

IN-SITU-PUMPE FÜR BOHRLOCHANWENDUNGEN

Title (fr)

POMPE IN SITU POUR DES APPLICATIONS DE FOND

Publication

**EP 3726003 A1 20201021 (EN)**

Application

**EP 20172825 A 20151203**

Priority

- US 201462086848 P 20141203
- EP 15864856 A 20151203
- US 2015063769 W 20151203

Abstract (en)

An apparatus for providing pressurized fluid to a formation that includes a power source body configured to contain a gas-generating fuel and a tool body comprising a first chamber and a second chamber. The first chamber is configured to hold a fluid, and the second chamber is configured to receive gas from the gas-generating fuel within the power source body. The apparatus further comprises a piston sealed between the first chamber and the second chamber and configured to stroke through the first chamber in response to a pressure increase within the second chamber, and a hose configured to generate a high-pressure jet of the fluid and to extend from the tool body or a diverter sub into the formation when the piston strokes through the first chamber.

IPC 8 full level

**E21B 43/00** (2006.01)

CPC (source: EP US)

**E21B 7/18** (2013.01 - EP); **E21B 43/26** (2013.01 - EP US); **F04B 47/08** (2013.01 - EP)

Citation (applicant)

- US 2015184476 A1 20150702 - ROBERTSON MICHAEL C [US], et al
- US 2013025883 A1 20130131 - ROBERTSON MICHAEL C [US], et al
- US 6186226 B1 20010213 - ROBERTSON MICHAEL C [US]
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- US 8020619 B1 20110920 - ROBERTSON MICHAEL C [US], et al
- US 8474381 B2 20130702 - STREIBICH DOUGLAS J [US], et al
- THOMAS H. DARRAH ET AL.: "Noble gases identify the mechanisms of fugitive gas contamination in drinking-water wells overlying the Marcellus and Barnett Shales", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, vol. III, 30 September 2014 (2014-09-30), pages 14076 - 81

Citation (search report)

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- [A] US 8167060 B2 20120501 - BRUNET CHARLES [US], et al
- [A] WO 2012163967 A1 20121206 - WELLTEC AS [DK], et al
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Designated contracting state (EPC)

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DOCDB simple family (publication)

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