

Title (en)

A METHOD OF CONDITIONING A WALL OF A BORE SECTION

Title (de)

VERFAHREN ZUR AUFBEREITUNG EINER WAND EINES BOHRLOCHABSCHNITTS

Title (fr)

PROCÉDÉ DE CONDITIONNEMENT D'UNE PAROI D'UNE SECTION DE FORAGE

Publication

EP 2737173 A2 20140604 (EN)

Application

EP 12726981 A 20120526

Priority

- HU P1100276 A 20110530
- US 2012039767 W 20120526

Abstract (en)

[origin: WO2012166677A2] A method to condition a portion of a wall surrounding a borehole section drilled in a formation fluid-bearing formation comprising locally injecting a gas to displace working fluid from a laser path adjacent a drill head, providing an underbalanced pressure at the portion of the borehole section to be conditioned, impinging laser light on the portion of the wall to be conditioned to melt a component of the formation material in the portion of the bore wall to be conditioned, and drawing fluid from the formation through the solidifying component of the material to create fluid flow passageways to facilitate the flow of fluid from the formation into the borehole section. Injected gas may be provided to the drill head through a conduit within an umbilical that includes a plurality of optical fibers to transmit laser light to the drill head.

IPC 8 full level

E21B 47/135 (2012.01)

CPC (source: EP US)

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Cited by

US10641079B2; US11867008B2; US11414984B2; US11149510B1; US11421497B2; US11255130B2; US11867012B2; US11414985B2; US11434714B2; US11697991B2; US11954800B2; US11187068B2; US11719089B2; US11125075B1; US11739616B1; US10941644B2; US11624251B2; US11727555B2; US11506044B2; US11631884B2; US11725504B2; US11280178B2; US11391104B2; US11414963B2; US11572752B2; US11619097B2; US11624265B1; US11719063B2

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DOCDB simple family (publication)

WO 2012166677 A2 20121206; **WO 2012166677 A3 20130627**; AU 2012262391 A1 20131212; BR 112013030934 A2 20161206; CA 2837592 A1 20121206; CN 103764944 A 20140430; EA 201301286 A1 20140530; EP 2737173 A2 20140604; HU 229944 B1 20150302; HU P1100276 A2 20130128; US 2014299375 A1 20141009

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