

Title (en)

METHOD AND SYSTEM FOR PARTICLE JET BORING

Title (de)

VERFAHREN UND SYSTEM ZUM TEILCHENSTRAHLBOHREN

Title (fr)

PROCÉDÉ ET SYSTÈME POUR FORAGÉ PAR JET DE PARTICULES

Publication

EP 2153011 A1 20100217 (EN)

Application

EP 08743686 A 20080305

Priority

- US 2008055895 W 20080305
- US 93040307 P 20070516

Abstract (en)

[origin: WO2008144096A1] The present invention provides a method and system for the generation of, the utilization of, the processing of, and the maintenance of a heterogeneous solid-particle impactor- laden fluidic-process circuit that incorporates a particle- injector system and a fluidic- amplifier jet head to produce a conical-shaped cutting jet of fluid and solid-particle impactors that perform functions during the boring, well-bore conditioning, and/or controlling the inclination and azimuth of deep subterranean well bores during their construction.

IPC 8 full level

E21B 7/18 (2006.01)

CPC (source: EP US)

E21B 7/18 (2013.01 - EP US)

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)

WO 2008144096 A1 20081127; AU 2008254460 A1 20081127; BR PI0811594 A2 20141216; CA 2684587 A1 20081127; CN 101730783 A 20100609; CO 6251338 A2 20110221; EP 2153011 A1 20100217; IL 202024 A0 20100616; JP 2010527418 A 20100812; MX 2009012259 A 20100217; RU 2009146356 A 20110627; US 2010307830 A1 20101209

DOCDB simple family (application)

US 2008055895 W 20080305; AU 2008254460 A 20080305; BR PI0811594 A 20080305; CA 2684587 A 20080305; CN 200880023970 A 20080305; CO 09143376 A 20091215; EP 08743686 A 20080305; IL 20202409 A 20091109; JP 2010508466 A 20080305; MX 2009012259 A 20080305; RU 2009146356 A 20080305; US 59941808 A 20080305