

Title (en)

METHOD OF DRILLING AND JET DRILLING SYSTEM

Title (de)

BOHRVERFAHREN UND STRAHLBOHRSYSTEM

Title (fr)

PROCÉDÉ DE FORAGE ET SYSTÈME DE FORAGE HYDRODYNAMIQUE

Publication

EP 2516787 A1 20121031 (EN)

Application

EP 10795393 A 20101222

Priority

- EP 09180563 A 20091223
- EP 2010070491 W 20101222
- EP 10795393 A 20101222

Abstract (en)

[origin: WO2011076846A1] A method of drilling into an object, the method comprising providing a drill string (1) in a borehole (2) in the object, the borehole having at its bottom a borehole axis (48), the drill string comprising a borehole- centralized jet drill head (16) at its lower end, the jet drill head having a drill axis (20), and comprising a jet nozzle (18); providing a stabilizer means for the drill string, the stabilizer means determining an inclination angle between the borehole axis and the drill axis; and generating a fluid jet (19) at the jet nozzle, so as to blast with an erosive power on an impingement area of the borehole, thereby deepening the borehole, wherein the drill string is rotated while deepening the borehole.

IPC 8 full level

E21B 7/04 (2006.01); **B24C 9/00** (2006.01); **E21B 7/18** (2006.01); **E21B 17/10** (2006.01); **E21B 21/00** (2006.01)

CPC (source: EP US)

B24C 1/045 (2013.01 - EP US); **B24C 5/02** (2013.01 - EP US); **E21B 7/04** (2013.01 - EP US); **E21B 7/18** (2013.01 - EP US); **E21B 17/1014** (2013.01 - EP US); **E21B 21/002** (2013.01 - EP US)

Citation (search report)

See references of WO 2011076846A1

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 2011076846 A1 20110630; AU 2010334862 A1 20120705; AU 2010334862 B2 20150903; BR 112012015439 A2 20160315; CA 2784978 A1 20110630; CN 102686821 A 20120919; CN 102686821 B 20150930; EP 2516787 A1 20121031; US 2012273277 A1 20121101

DOCDB simple family (application)

EP 2010070491 W 20101222; AU 2010334862 A 20101222; BR 112012015439 A 20101222; CA 2784978 A 20101222; CN 201080058353 A 20101222; EP 10795393 A 20101222; US 201013517996 A 20101222