

Title (en)

METHOD FOR THE CHISEL-LESS FORMATION OF BOREHOLES FOR DEEP BORES AND CHISEL-LESS DRILLING SYSTEM FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR MEISSELLOSEN ERSTELLUNG VON BOHRLÖCHERN FÜR TIEFBOHRUNGEN SOWIE MEISSELLOSES BOHRSYSTEM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE RÉALISATION SANS BURIN DE TROUS DE FORAGE POUR DES FORAGES PROFONDS ET SYSTÈME DE FORAGE SANS BURIN POUR LA MISE EN OEUVRE DU PROCÉDÉ

Publication

EP 2984273 B1 20171011 (DE)

Application

EP 14723976 A 20140326

Priority

- DE 102013005857 A 20130408
- DE 2014000152 W 20140326

Abstract (en)

[origin: WO2014166467A2] The invention relates to a method for the chisel-less formation of boreholes (5) for deep bores by means of high-pressure water jet cutting. A chisel-free drilling method that makes substantially continuous drilling operation possible is characterized, according to the invention, by a combination of the processes of high-pressure water jet cutting and high-frequency rock fragmentation. The invention also relates to a chisel-free drilling system (1) for carrying out the method.

IPC 8 full level

E21B 7/18 (2006.01); **E21B 7/24** (2006.01); **E21B 33/138** (2006.01)

CPC (source: EP US)

E21B 7/18 (2013.01 - EP US); **E21B 7/24** (2013.01 - EP US); **E21B 33/138** (2013.01 - EP US); **E21B 47/06** (2013.01 - US); **E21B 47/07** (2020.05 - US); **E21B 49/003** (2013.01 - US)

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)

DE 102013005857 A1 20141009; EP 2984273 A2 20160217; EP 2984273 B1 20171011; US 2016053544 A1 20160225; WO 2014166467 A2 20141016; WO 2014166467 A3 20150402

DOCDB simple family (application)

DE 102013005857 A 20130408; DE 2014000152 W 20140326; EP 14723976 A 20140326; US 201414781385 A 20140326