

Title (en)

METHOD FOR PRODUCING A HORIZONTALLY DRILLED BORE HOLE IN THE GROUND AND HORIZONTAL DRILLING DEVICE

Title (de)

VERFAHREN ZUM ERSTELLEN EINER HORIZONTALBOHRUNG IM ERDREICH UND HORIZONTALBOHRVORRICHTUNG

Title (fr)

PROCÉDÉ DE RÉALISATION D'UN FORAGE HORIZONTAL DANS LE SOL ET DISPOSITIF DE FORAGE HORIZONTAL

Publication

EP 2728104 B1 20200311 (DE)

Application

EP 13005268 A 20110331

Priority

- DE 102010013725 A 20100331
- EP 11714931 A 20110331
- EP 2011001612 W 20110331

Abstract (en)

[origin: WO2011120692A2] A method for producing a horizontally drilled bore hole in the ground comprises the following steps: producing a pit having a circular cross-section; lowering a horizontal drilling device into the pit, the horizontal drilling device having a circular cross-section in at least part of the section in which it is positioned once it is lowered into the pit; and producing a horizontally drilled bore hole using the horizontal drilling device.

IPC 8 full level

E21B 7/04 (2006.01); **E21B 7/30** (2006.01)

CPC (source: EP US)

E21B 7/046 (2013.01 - EP US); **E21B 7/30** (2013.01 - EP US); **E21B 19/20** (2013.01 - US); **E21B 49/06** (2013.01 - US)

Cited by

EP3431702A1; WO2018104547A1

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 2011120692 A2 20111006; **WO 2011120692 A3 20130103**; CN 102985634 A 20130320; CN 102985634 B 20151125; DE 102010013725 A1 20111006; EP 2553201 A2 20130206; EP 2553201 B1 20141217; EP 2728104 A1 20140507; EP 2728104 B1 20200311; ES 2533401 T3 20150409; ES 2784298 T3 20200924; JP 2013524048 A 20130617; JP 2016075151 A 20160512; JP 5931047 B2 20160608; JP 6257663 B2 20180110; PL 2553201 T3 20150529; PL 2728104 T3 20200727; US 2013199851 A1 20130808; US 9523240 B2 20161220

DOCDB simple family (application)

EP 2011001612 W 20110331; CN 201180016486 A 20110331; DE 102010013725 A 20100331; EP 11714931 A 20110331; EP 13005268 A 20110331; ES 11714931 T 20110331; ES 13005268 T 20110331; JP 2013501688 A 20110331; JP 2016025182 A 20160212; PL 11714931 T 20110331; PL 13005268 T 20110331; US 201113638296 A 20110331