

Title (en)

APPARATUS AND METHOD FOR MAKING BOREHOLES IN THE GROUND, THE CROSS SECTIONS OF WHICH BOREHOLES PARTIALLY INTERSECT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM EINBRINGEN VON BOHRUNGEN INS ERDREICH, DEREN QUERSCHNITTE SICH TEILWEISE ÜBERSCHNEIDEN

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR RÉALISER DES TROUS DE FORAGE DANS LA TERRE, TROUS DE FORAGE DONT LES COUPES TRANSVERSALES SE RECOUVENT PARTIELLEMENT

Publication

EP 2245233 B1 20160706 (DE)

Application

EP 09715168 A 20090216

Priority

- EP 2009051784 W 20090216
- DE 102008010773 A 20080225
- DE 102008012970 A 20080306

Abstract (en)

[origin: WO2009106449A1] Apparatus (100, 200) for making a second borehole (2) in the ground, the cross section of which borehole partially intersects the cross section of an already existing first borehole (1), comprising a boring device (8) and, operatively connected to the boring device (8), a guide device (9) for guiding the boring device (8) relative to the already existing first borehole (1), wherein the guide device (9) comprises at least a first guide element (13) which interacts with the wall of the first borehole (1), wherein the apparatus comprises means which make it possible to influence the direction in which the second borehole is made while it is being made.

IPC 8 full level

E21B 7/04 (2006.01); **E02D 5/18** (2006.01)

CPC (source: EP US)

E02D 5/18 (2013.01 - EP US); **E21B 7/04** (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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009106449 A1 20090903; EP 2245233 A1 20101103; EP 2245233 B1 20160706; US 2010326732 A1 20101230; US 8662206 B2 20140304

DOCDB simple family (application)

EP 2009051784 W 20090216; EP 09715168 A 20090216; US 91901409 A 20090216