

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 DANS LA TERRE DES FORAGES DONT LES COUPES TRANSVERSALES SE RECOUPENT PARTIELLEMENT

Publication  
**EP 2245232 A1 20101103 (DE)**

Application  
**EP 09713796 A 20090216**

Priority  
• EP 2009051780 W 20090216  
• DE 102008010773 A 20080225

Abstract (en)  
[origin: WO2009106448A1] 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) on the side facing the second borehole (2), wherein the guide device (9) comprises at least a second guide element (14) which interacts with the side of the first borehole (1) facing away from the second borehole (2).

IPC 8 full level  
**E02D 5/18** (2006.01); **E21B 7/04** (2006.01)

CPC (source: EP US)  
**E02D 5/18** (2013.01 - EP US); **E21B 7/04** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009106448A1

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

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008010773 A1 20090827**; EP 2245232 A1 20101103; EP 2245232 B1 20160706; US 2011005833 A1 20110113; US 8505650 B2 20130813; WO 2009106448 A1 20090903

DOCDB simple family (application)  
**DE 102008010773 A 20080225**; EP 09713796 A 20090216; EP 2009051780 W 20090216; US 91901309 A 20090216