

Title (en)  
Small drilling device

Title (de)  
Kleinbohrgerät

Title (fr)  
Petite foreuse

Publication  
**EP 2781682 A1 20140924 (DE)**

Application  
**EP 13160119 A 20130320**

Priority  
EP 13160119 A 20130320

Abstract (en)  
The small drilling apparatus (2) has a main carrier (4) and a telescopic mast (7) with an adjustable length. A rotating device (6) is provided for pivotably coupling the telescopic mast to the main carrier around a vertical axis (A1). The telescopic mast is configured to accommodate drill rods with a length from 0.5 m to 2.5 m.

Abstract (de)  
Die Erfindung betrifft ein Kleinbohrgerät zur Herstellung von Bohrungen im Erdreich, umfassend: einen Hauptträger 4, einen Teleskopmast 7 mit einer verstellbaren Länge, eine Drehvorrichtung 6, mit welcher der Teleskopmast 7 gegenüber dem Hauptträger 4 um eine vertikale Achse A1 schwenkbar ist.

IPC 8 full level  
**E21B 7/02** (2006.01)

CPC (source: EP US)  
**E21B 3/022** (2020.05 - EP US); **E21B 7/00** (2013.01 - US); **E21B 7/023** (2013.01 - EP US); **E21B 7/024** (2013.01 - EP US)

Citation (applicant)  
• DE 3625577 A1 19870326 - WOLF HEINRICH RUDOLF  
• DE 1483853 A1 19690220 - MASCH U BOHRGERAETEFABRIK A W

Citation (search report)  
• [Y] US 2004178004 A1 20040916 - MACDONALD CLAUDE [CA]  
• [XI] DE 102008037338 A1 20100218 - LIEBHERR WERK NENZING [AT]  
• [I] US 6179068 B1 20010130 - WEST GREGORY DONALD [NZ]  
• [Y] "KR 702-1", 2003, 57484 Drolshagen (DE), pages 1 - 6, XP055069656, Retrieved from the Internet <URL:http://www.van-elle.co.uk/Plant%20and%20Equipment/Klemm%20KR702/Klemm%20KR702.pdf> [retrieved on 20130704]

Cited by  
CN106715820A; EP3198105A4

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2781682 A1 20140924; EP 2781682 B1 20181212**; DK 2781682 T3 20190401; ES 2714451 T3 20190528; PL 2781682 T3 20190731; US 2014284107 A1 20140925; US 9657524 B2 20170523

DOCDB simple family (application)  
**EP 13160119 A 20130320**; DK 13160119 T 20130320; ES 13160119 T 20130320; PL 13160119 T 20130320; US 201414219387 A 20140319