Title (en)

Underwater drilling assembly and method for producing a borehole

Title (de)

Unterwasser-Bohranordnung und Verfahren zum Erstellen einer Bohrung

Title (fr)

Agencement de forage sous-marin et procédé d'exécution d'un forage

Publication

EP 2562348 B1 20171004 (DE)

Application

EP 11006880 A 20110823

Priority

EP 11006880 A 20110823

Abstract (en)

[origin: EP2562348A1] The underwater drilling arrangement (10) has a retractable platform (20) for placement on the seabed, that is provided with a guide tube (22). A drill drive (52) is arranged on the working platform. A drill string (70) is provided with a drilling head (78) that is rotationally driven by drill drive. A linear guide is arranged inside the guide tube of retractable platform, for guiding drill drive axially. The guide tube is held in a receptacle of the work platform in adjustable and fixable manner. An independent claim is included for method for constructing borehole.

IPC 8 full level

E21B 4/18 (2006.01); **E21B 7/124** (2006.01)

CPC (source: EP KR US)

E21B 4/18 (2013.01 - EP US); **E21B 7/12** (2013.01 - KR); **E21B 7/124** (2013.01 - EP KR US)

Citation (examination)

JP H05171641 A 19930709 - SHIMIZU CONSTRUCTION CO LTD

Citation (opposition)

Opponent : Andreas Körner

- EP 2527539 A1 20121128 - BAUER MASCHINEN GMBH [DE]
- US 2010119309 A1 20100513 - GIBBERD GEORGE JAMES [GB]
- EP 2322724 A1 20110518 - BAUER MASCHINEN GMBH [DE]
- CN 201460780 U 20100512 - CHANGSHA INST MINING RES
- DE 2734185 A1 19790208 - LEFFER STAHL & APP
- JP H05171641 A 19930709 - SHIMIZU CONSTRUCTION CO LTD
- US 2008226398 A1 20080918 - GIBBERD GEORGE [GB], et al
- WO 2010112832 A1 20101007 - MARINE CURRENT TURBINES LTD [GB], et al

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EP3333324A1; EP4350119A1; EP2930275A1

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)

EP 2562348 A1 20130227; **EP 2562348 B1 20171004**; CA 2787592 A1 20130223; CA 2787592 C 20141216; CN 103015897 A 20130403; CN 103015897 B 20151021; KR 101419513 B1 20140715; KR 20130023136 A 20130307; US 2013220700 A1 20130829; US 8720603 B2 20140513

DOCDB simple family (application)

EP 11006880 A 20110823; CA 2787592 A 20120822; CN 201210401584 A 20120823; KR 20120092651 A 20120823; US 201213592332 A 20120822