

Title (en)

Auger for piling

Title (de)

Bohrschnecke

Title (fr)

Tarière à ergot mobile pour réaliser un forage

Publication

EP 1748108 B1 20100908 (FR)

Application

EP 06117715 A 20060724

Priority

- FR 0508057 A 20050728
- GB 0607612 A 20060418

Abstract (en)

[origin: EP1748108A1] The auger has a hollow core (32) with an outer helical blade (34), and a movable cutter pin (42) taking an active position, where it projects outside the volume defined by the blade periphery, and a retracted position, where it is placed inside the volume. Displacement units displace the pin from retracted to active position. The displacement units have a dip tube (100), moving in translation and/or in rotation in the core, placed at the bottom end of the core. The movement of the tube relative to the bottom part of the core controls displacement of the pin from retracted to active position.

IPC 8 full level

E02D 5/38 (2006.01)

CPC (source: EP KR US)

E02D 5/385 (2013.01 - EP US); **E21B 10/44** (2013.01 - KR)

Cited by

DE102012109333A1; ITTO20090312A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1748108 A1 20070131; **EP 1748108 B1 20100908**; AT E480670 T1 20100915; DE 602006016690 D1 20101021; KR 101355053 B1 20140124; KR 20070015015 A 20070201; PL 1748108 T3 20110331; US 2007023207 A1 20070201; US 7591329 B2 20090922

DOCDB simple family (application)

EP 06117715 A 20060724; AT 06117715 T 20060724; DE 602006016690 T 20060724; KR 20060070610 A 20060727; PL 06117715 T 20060724; US 49370606 A 20060727