

Title (en)

Device for inserting a standing pipe assembly into the soil

Title (de)

Vorrichtung zum Einbringen einer stehenden Rohranordnung in das Erdreich

Title (fr)

Dispositif d'introduction d'un agencement de tuyau vertical dans la terre

Publication

**EP 2383419 A3 20130529 (DE)**

Application

**EP 11003348 A 20110421**

Priority

DE 202010006129 U 20100428

Abstract (en)

[origin: EP2383419A2] The device comprises a drill head (2) which is formed as an extrusion drill attached at a lower end of a tube arrangement (1), which has a lower pointed cone running out in a front tip. A tapering upper truncated cone is provided with a circumferential spiral extending on its height. The lower end of the spiral, is formed as a cutting edge which extends radially in a circumferential direction.

IPC 8 full level

**E21B 7/26** (2006.01); **E21B 10/44** (2006.01); **E21B 11/00** (2006.01)

CPC (source: EP US)

**E21B 10/44** (2013.01 - EP); **E21B 11/005** (2013.01 - EP US); **E21B 7/26** (2013.01 - EP US)

Citation (search report)

- [XYI] WO 0022244 A1 20000420 - VIBRO PILE AUST PTY LTD [AU], et al
- [Y] NL 9100211 A 19920901 - JOHAN ALOISIUS GERARDUS SCHOTM
- [A] FR 2480348 A1 19811016 - PERRONE P [IT]

Cited by

CN110410013A

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)

**DE 202010006129 U1 20100805**; EP 2383419 A2 20111102; EP 2383419 A3 20130529; EP 2383419 B1 20150610

DOCDB simple family (application)

**DE 202010006129 U 20100428**; EP 11003348 A 20110421