

Title (en)

Cone Penetration Testing Pushing Device and System

Title (de)

Drückvorrichtung und -system zum Testen der Konuspenetration

Title (fr)

Dispositif et système poussoir de test de pénétration de cône

Publication

**EP 2385175 A3 20130828 (EN)**

Application

**EP 11165351 A 20110509**

Priority

NL 2004684 A 20100507

Abstract (en)

[origin: EP2385175A2] A ground penetrating device, comprising a housing, a locking arrangement (6) for locking the housing inside a borehole, a penetration member (5) arranged to move relative to the housing (20) in a penetration direction; and a force transmission element (9) provided movably relative to the housing (2), a conversion mechanism (10) for converting a movement of the force transmission element (9) in a direction different from the penetration direction to a movement of the penetration member (5) in the penetration direction.

IPC 8 full level

**E02D 1/04** (2006.01); **E02D 1/02** (2006.01); **E21B 49/00** (2006.01)

CPC (source: EP)

**E02D 1/02** (2013.01); **E02D 1/022** (2013.01); **E02D 1/025** (2013.01); **E02D 1/04** (2013.01)

Citation (search report)

- [IAY] US 6553852 B1 20030429 - SMAIL TIMOTHY R [US], et al
- [A] EP 0490420 A2 19920617 - SCHLUMBERGER SERVICES PETROL [FR], et al
- [Y] US 4400970 A 19830830 - ALI MUHAMMAD A [US]
- [AD] US 5777242 A 19980707 - ZUIDBERG HERMAN MARIA [NL], et al
- [AD] NL 7108761 A 19711228
- [A] FR 1172140 A 19590205 - STICHTING WATERBOUWKUNDIG LAB

Cited by

CN113464116A; CN111485543A; CN110824147A; FR2997762A1; ITUA20164208A1; US10538891B2; JP2020056216A; CN102518108A; JP2020056218A; WO2014068071A1; WO2017212366A1; JP2018071320A; JP2020056220A; JP2020056219A; JP2020056217A; NO20200039A1; NO347485B1

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 2385175 A2 20111109; EP 2385175 A3 20130828; EP 2385175 B1 20161207; NL 2004684 C2 20111108**

DOCDB simple family (application)

**EP 11165351 A 20110509; NL 2004684 A 20100507**