

Title (en)

Driver for and method of installing foundation elements and a kit of parts for assembling a driver

Title (de)

Rammeinrichtung und Methode zur Einbringung von Fundamentelementen und Einsatz von Teilen zur Herstellung einer Rammeinrichtung

Title (fr)

Sonnette et méthode pour l'installation d'élément de fondation, et kit de pièces pour assembler une sonnette

Publication

EP 1715105 A1 20061025 (EN)

Application

EP 05103142 A 20050419

Priority

EP 05103142 A 20050419

Abstract (en)

The invention pertains to a driver for installing foundation elements, such as anchors or piles, in a ground formation and preferably in submerged condition, comprising a housing for accommodating and guiding a weight (18), an element for mounting the driver on or in a foundation element, one or more chambers (12) for holding a charge (13) or one or more connectors for connecting the driver to a source of a high pressure gas, and corresponding conduits (16,17) allowing a high pressure gas to flow from the chamber(s) (12) or connector(s) to below the weight (18). The housing is adapted to allow a stroke of the weight (18) having a length such that, during upward movement of the weight (18), the pressure of the gas drops to a value, which will cause the weight (18) to decelerate.

IPC 8 full level

E02D 7/02 (2006.01)

CPC (source: EP US)

E02D 7/02 (2013.01 - EP US)

Citation (applicant)

- WO 0006834 A1 20000210 - BIRMINGHAM CONSTRUCTION LTD [CA]
- US 3958647 A 19760525 - CHELMINSKI STEPHEN V

Citation (search report)

- [XY] US 4098355 A 19780704 - GENDRON GEORGE J, et al
- [X] FR 1001682 A 19520226
- [YA] US 2001004939 A1 20010628 - DURMEYER GERARD [FR], et al
- [Y] US 2004134658 A1 20040715 - BELL MATTHEW ROBERT GEORGE [US], et al
- [Y] DE 334231 C 19210315 - WEBER KARL

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1715105 A1 20061025; BR PI0610726 A2 20180807; CA 2604997 A1 20061026; EP 1877627 A1 20080116; NO 20075264 L 20071116; US 2009123236 A1 20090514; WO 2006111540 A1 20061026

DOCDB simple family (application)

EP 05103142 A 20050419; BR PI0610726 A 20060419; CA 2604997 A 20060419; EP 06743340 A 20060419; EP 2006061665 W 20060419; NO 20075264 A 20071015; US 91205006 A 20060419