

Title (en)

PILING APPARATUS AND METHOD OF INSTALLATION

Title (de)

RAMMVORRICHTUNG UND INSTALLATIONSVERFAHREN

Title (fr)

APPAREIL D'ENFONCEMENT DE PIEUX ET PROCEDE D'INSTALLATION

Publication

EP 1692346 A4 20100310 (EN)

Application

EP 04817322 A 20040929

Priority

- US 2004031932 W 20040929
- US 69048903 A 20031021

Abstract (en)

[origin: WO2005040505A2] An in-situ pile apparatus (10) includes a helical anchor to which a plurality of elongated generally cylindrically shaped sections can be added. Each of the sections has a specially shaped end portion for connecting to another section. An internal drive is positioned in sections inside the bore of each of the connectable pile sections. The internal drive includes enlarged sections that fit at the joint between pile sections. In one embodiment, the internal drive can be removed to leave a rod behind that defines reinforcement for a tension rod connection from the anchor tip to an upper portion attachment point.

IPC 8 full level

E02D 1/00 (2006.01); **E02D 5/80** (2006.01)

IPC 8 main group level

E02D (2006.01)

CPC (source: EP)

E02D 5/801 (2013.01)

Citation (search report)

- [Y] EP 1046753 A1 20001025 - VICKARS DEVELOPMENTS CO LTD [CA]
- [Y] US 5975808 A 19991102 - FUJITA YASUHIRO [JP]
- [A] WO 9914441 A1 19990325 - STEEL FOUNDATIONS LIMITED [AU], et al
- [A] GB 2384842 A 20030806 - HUBBELL INC [US]
- See references of WO 2005040505A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005040505 A2 20050506; WO 2005040505 A3 20061228; CA 2544121 A1 20050506; EP 1692346 A2 20060823; EP 1692346 A4 20100310

DOCDB simple family (application)

US 2004031932 W 20040929; CA 2544121 A 20040929; EP 04817322 A 20040929