

Title (en)

System for making concrete piles in a ground and drilling- tool therefor

Title (de)

Vorrichtung und Verfahren zur Herstellung von Bohrpfehlen

Title (fr)

Procedée pour fabriquer des pieux sur sol

Publication

EP 1734222 A1 20061220 (DE)

Application

EP 05012690 A 20050614

Priority

EP 05012690 A 20050614

Abstract (en)

By the process, the tubing (1) and inner-lying penetrating worm (2) are sunk simultaneously. When the device is pulled out during concreting, the entrance and exit hole of worm in the earth can be opened or enclosed in the tube for the earth that is being removed. At the bottom of the worm is a sealing device (3) which can lock the worm in the tube or release it. A drive element (4) governs the movement of the sealing device relative to the worm. The relative movement of the sealing device can be achieved independently of the turning direction of the worm. The operation and control of the drive element can be done from the surface. The drive element is designed so that independently of the turning direction of the worm and against the forces working on the worm, it keeps the openings of the worm open or shut.

IPC 8 full level

E21B 10/44 (2006.01); **E02D 5/38** (2006.01); **E02D 5/66** (2006.01)

CPC (source: EP)

E02D 5/385 (2013.01); **E02D 5/665** (2013.01); **E21B 7/201** (2013.01)

Citation (search report)

- [A] GB 2154630 A 19850911 - MATSUZAWA KIKO KABUSHIKI KAISH, et al
- [A] EP 0371533 A1 19900606 - BOUTEN JACOB
- [A] US 3823562 A 19740716 - BACMANAK M
- [A] US 2401250 A 19460528 - KANDLE CHARLES W
- [A] GB 306354 A 19290221 - LANG LONDON LTD, et al
- [A] GB 187725 A 19221027 - FRIEDRICH WAHRENBURG, et al
- [A] GB 191421078 A 19150401 - TREWHELLA BENJAMIN HOSKING

Cited by

CN111236850A; CN105586882A

Designated contracting state (EPC)

DE FR GB IT

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1734222 A1 20061220; EP 1734222 B1 20081001; DE 502005005543 D1 20081113

DOCDB simple family (application)

EP 05012690 A 20050614; DE 502005005543 T 20050614