

Title (en)

Method and system for placing at least one foundation element in the ground

Title (de)

Verfahren und System zum Herstellen von mindestens einem Gründungselement im Boden

Title (fr)

Procédé et système de mise en place d'au moins un élément de fondation dans le sol

Publication

**EP 2319990 A2 20110511 (EN)**

Appication

**EP 11155945 A 20030404**

Priority

- EP 03723499 A 20030404
- NL 1020304 A 20020404
- NL 1021143 A 20020724

Abstract (en)

Method for forming at least one foundation pile or deep wall in the ground, comprising the step of sinking one or more hollow foundation elements (1) into the ground with a substantially vertical orientation. The sinking of the foundation element (1) into the ground takes place during driving of a removable drilling head (3), which drilling head (3), during the sinking of the foundation element (1), extends at least partially below a bottom part of the foundation element (1), by means of excavating members, which can rotate with respect to the foundation element (1) and have radial dimensions which in particular are greater than or equal to external dimensions of the foundation element (1), in which the excavation members, at the same time as the foundation element (1) is being sunk, drills out earth beneath the said bottom part of the foundation element (1), and in which at least the drilling head (3), after the foundation element (1) has been sunk, is removed again from the ground.

IPC 8 full level

**E02D 7/26** (2006.01); **E02D 7/20** (2006.01); **E02D 7/28** (2006.01); **E21B 7/20** (2006.01)

CPC (source: EP)

**E02D 7/20** (2013.01); **E02D 7/26** (2013.01); **E02D 7/28** (2013.01); **E21B 7/208** (2013.01)

Cited by

CN113982011A

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 PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 03085208 A1 20031016**; AT E501313 T1 20110315; AU 2003235422 A1 20031020; DE 60336308 D1 20110421; EP 1497503 A1 20050119; EP 1497503 B1 20110309; EP 2319990 A2 20110511; EP 2319990 A3 20140903; EP 2319991 A2 20110511; EP 2319991 A3 20120822; EP 2319992 A2 20110511; EP 2319992 A3 20120822; NL 1021143 C2 20031007

DOCDB simple family (application)

**NL 0300257 W 20030404**; AT 03723499 T 20030404; AU 2003235422 A 20030404; DE 60336308 T 20030404; EP 03723499 A 20030404; EP 11155945 A 20030404; EP 11155947 A 20030404; EP 11155948 A 20030404; NL 1021143 A 20020724