

Title (en)

Method and pile-driving device for inserting foundation piles into the ground

Title (de)

Verfahren und Pfahlrammvorrichtung zur Einsetzung von Fundamentpfählen in die Erde

Title (fr)

Procédé et dispositif de fonçage pour insérer des pieux de fondation dans le sol

Publication

EP 1857597 A2 20071121 (EN)

Application

EP 07075384 A 20070521

Priority

- NL 1031849 A 20060519
- NL 1033620 A 20070330

Abstract (en)

Method for inserting foundation piles into the ground, comprising the steps of positioning at least two telescopically connected pipe segments above a base plate, moving a pile-driving hammer up with a pile-driving device, moving the pile-driving hammer down through the pipe segments, and letting the pile-driving hammer ram the base plate and at least one of the pipe segments. The invention is characterized in that the method furthermore comprises the steps of withdrawing the pipe segments from the ground using a withdrawal element, so that a hole is left in the ground; leaving the base plate behind in the hole that is left; and introducing a setting substance on top of the base plate in the hole that is left. After the substance has set, a foundation pile is obtained in the ground.

IPC 8 full level

E02D 5/66 (2006.01); **E02D 7/30** (2006.01); **E02D 11/00** (2006.01)

CPC (source: EP)

E02D 3/08 (2013.01); **E02D 5/66** (2013.01); **E02D 5/72** (2013.01); **E02D 7/02** (2013.01)

Cited by

EP2458093A1; NL2005759C2; CN113356202A; NL2005760C2; CN107709695A; ITUA20162493A1; NL2005758C2; CN112554177A; WO2017178918A1

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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1857597 A2 20071121; EP 1857597 A3 20081022

DOCDB simple family (application)

EP 07075384 A 20070521