

Title (en)

PILE FOUNDATION AND METHOD FOR INSTALLING A PILE FOUNDATION

Title (de)

PFAHLFUNDAMENT UND VERFAHREN ZUM INSTALLIEREN EINES PFAHLFUNDAMENTS

Title (fr)

FONDATION SUR PIEUX ET PROCÉDÉ D'INSTALLATION D'UNE FONDATION SUR PIEUX

Publication

EP 4187018 A1 20230531 (EN)

Application

EP 21211303 A 20211130

Priority

EP 21211303 A 20211130

Abstract (en)

The invention relates to a pile foundation and a method for installing a pile having an elongated body structure, comprising a tapered shape and a hollow channel extending between a first and a second end of the pile for injecting cement grouts or mortars through said foundation and into a cavity between said first end part and said soil, where the hole has a diameter smaller than the largest width/diameter of the pile and a diameter larger than the smallest width/diameter of the pile.

IPC 8 full level

E02D 5/30 (2006.01); **E02D 5/50** (2006.01); **E02D 5/62** (2006.01)

CPC (source: EP)

E02D 5/30 (2013.01); **E02D 7/02** (2013.01); **E02D 27/42** (2013.01); **E02D 5/50** (2013.01); **E02D 5/526** (2013.01)

Citation (applicant)

EP 2382357 B1 20140528 - CT PÆLE AS [DK]

Citation (search report)

- [IAY] JP S55101946 U 19800716
- [YA] EP 3447195 B1 20210929 - CENTRUM PÆLE AS [DK]
- [YA] CN 105839660 A 20160810 - TANG XIAOHUI
- [XAY] CN 204000851 U 20141210 - GUANLU CONSTRUCTION CO LTD
- [A] JP 2000110161 A 20000418 - CHICHIBU CONCRETE KOGYO KK

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4187018 A1 20230531

DOCDB simple family (application)

EP 21211303 A 20211130