

Title (en)

FOUNDATION FOR A STRUCTURE AND METHOD OF INSTALLING THE SAME

Title (de)

FUNDAMENT FÜR EINE STRUKTUR UND VERFAHREN ZUR INSTALLATION DAVON

Title (fr)

FONDATION D'UNE STRUCTURE ET SON PROCÉDÉ D'INSTALLATION

Publication

EP 4296432 A1 20231227 (EN)

Application

EP 22180948 A 20220624

Priority

EP 22180948 A 20220624

Abstract (en)

A foundation (10) for a structure including a body (1) for insertion into a soil (2) in an insertion direction during installation, the body (1) having a toe (3) at its distal end. An array of nozzles (6) are provided at the distal end for jetting a fluid, with the nozzles (6) in the array being configured such that their fluid jets (7) are complementarily directed for generating a fluid stream (8) ahead of the toe (3) which flows in a direction perpendicular to the insertion direction to erode the soil below the pile toe.

IPC 8 full level

E02D 7/24 (2006.01); **E02D 5/00** (2006.01); **E02D 23/00** (2006.01); **E02D 27/12** (2006.01); **E02D 27/42** (2006.01); **E02D 27/52** (2006.01)

CPC (source: EP US)

E02D 5/00 (2013.01 - EP); **E02D 7/24** (2013.01 - EP US); **E02D 23/00** (2013.01 - EP); **E02D 27/12** (2013.01 - EP US); **E02D 27/42** (2013.01 - EP); **E02D 27/525** (2013.01 - EP); **E02D 27/525** (2013.01 - US)

Citation (search report)

- [XAI] EP 3561181 A1 20191030 - OERSTED WIND POWER AS [DK]
- [XAI] JP 2009280966 A 20091203 - NIPPON STEEL CORP, et al
- [A] FR 2712317 A1 19950519 - SOL CIE [FR]
- [A] WO 2021228510 A1 20211118 - OERSTED WIND POWER AS [DK]

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 4296432 A1 20231227; TW 202403151 A 20240116; US 2023417007 A1 20231228; WO 2023247526 A1 20231228

DOCDB simple family (application)

EP 22180948 A 20220624; EP 2023066618 W 20230620; TW 112122970 A 20230619; US 202318213016 A 20230622