

Title (en)  
FOUNDATION PILE

Title (de)  
GRÜNDUNGSPFAHL

Title (fr)  
PIEU DE FONDATION

Publication  
**EP 3569769 B1 20210811 (DE)**

Application  
**EP 18173174 A 20180518**

Priority  
EP 18173174 A 20180518

Abstract (en)  
[origin: CA3100562A1] The invention relates to a civil engineering method and a construction device for erecting a columnar structure in the ground, wherein a civil engineering tool is rotatably driven about an axis of rotation and is introduced into a ground with an advancing motion, wherein the columnar structure is erected in the ground. According to the invention, while the columnar structure is being erected, a rotational motion and an advancing motion of the civil engineering tool are recorded over time and are forwarded to an evaluation unit, at least one additional processing parameter is recorded over time by means of a sensor device while the columnar structure is being erected in the ground and is forwarded to the evaluation unit, and a three-dimensional model of the columnar structure is generated by the evaluation unit and is displayed.

IPC 8 full level  
**E02D 5/18** (2006.01); **E02D 5/34** (2006.01); **E02D 5/46** (2006.01); **E02D 7/22** (2006.01); **E02D 13/06** (2006.01)

CPC (source: EP US)  
**E02D 3/12** (2013.01 - US); **E02D 5/187** (2013.01 - EP); **E02D 5/34** (2013.01 - EP); **E02D 5/46** (2013.01 - EP US); **E02D 7/22** (2013.01 - EP); **E02D 13/06** (2013.01 - EP US); **E02D 2200/1685** (2013.01 - US); **E02D 2250/003** (2013.01 - US); **E02D 2600/10** (2013.01 - US)

Cited by  
EP4063567A1; WO2022200098A1

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

DOCDB simple family (publication)  
**EP 3569769 A1 20191120**; **EP 3569769 B1 20210811**; CA 3100562 A1 20191121; CN 112400045 A 20210223; US 11377811 B2 20220705; US 2021230826 A1 20210729; WO 2019219320 A1 20191121

DOCDB simple family (application)  
**EP 18173174 A 20180518**; CA 3100562 A 20190417; CN 201980033420 A 20190417; EP 2019059948 W 20190417; US 201917055766 A 20190417