

Title (en)

A METHOD AND AN APPARATUS FOR DETERMINING THE TORQUE OF AN AUGER, AND A PILE DRIVING RIG

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DES DREHMOMENTS EINER FÖRDERSCHECKE UND RAMMRIGG

Title (fr)

PROCÉDÉ ET APPAREIL DE DÉTERMINATION DU COUPLE D'UNE TARIÈRE, ET APPAREIL DE BATTAGE DE PIEUX

Publication

**EP 3440266 B1 20200624 (EN)**

Application

**EP 16723398 A 20160408**

Priority

FI 2016050224 W 20160408

Abstract (en)

[origin: WO2017174860A1] It is an aim of the invention to provide a method for determining the torque of an auger of a pile driving rig (10), by which the torque can be accurately determined. In the method according to the invention, the torque of the auger of the pile driving rig (10) is determined by measuring at least one of the following variables in the structures of the pile driving rig (10): the force effected by the torque on at least one point in the structures of the pile driving rig (10), the elongation caused by the force, the strain caused by the force, or the deformation caused by the force; as well as by calculating the torque of the auger from the measurement result thus obtained. Moreover, it is an aim of the invention to present an apparatus for implementing the method according to the invention, and a pile driving rig (10).

IPC 8 full level

**E02D 5/36** (2006.01)

CPC (source: EP)

**E02D 5/36** (2013.01)

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)

**WO 2017174860 A1 20171012**; EP 3440266 A1 20190213; EP 3440266 B1 20200624

DOCDB simple family (application)

**FI 2016050224 W 20160408**; EP 16723398 A 20160408