

Title (en)

METHOD AND DEVICE FOR TREATING A FOUNDATION SOIL

Title (de)

VERFAHREN UND BAUGERÄT ZUR BAUGRUNDBEARBEITUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LE TRAITEMENT D'UN SOL DE FONDATION

Publication

EP 3299523 B1 20210331 (DE)

Application

EP 16189878 A 20160921

Priority

EP 16189878 A 20160921

Abstract (en)

[origin: US2018080311A1] The invention relates to a method for working the soil and an associated construction machine, which comprises at least one rotating drive unit for rotationally driving a tool for working the soil and at least one feed unit, with which the tool for working the soil is placed into the ground. According to the invention, a control and analysis unit is provided, with which when working the soil at least one input variable of the rotating drive unit and/or the feed unit are read and saved, at least one resulting output parameter is read and saved at the tool for working the soil, and the at least one input variable is compared to the resulting output parameter, whereby a soil working value is ascertained and saved.

IPC 8 full level

E02D 17/13 (2006.01); **E02D 7/22** (2006.01); **E02D 17/00** (2006.01)

CPC (source: EP KR US)

E02D 7/22 (2013.01 - KR); **E02D 17/13** (2013.01 - EP KR US); **E02F 3/22** (2013.01 - KR US); **E02F 9/2025** (2013.01 - KR); **E02F 9/26** (2013.01 - US); **E21B 44/04** (2013.01 - KR US); **E02D 7/22** (2013.01 - EP US); **E02D 17/00** (2013.01 - EP US); **E02D 2250/0038** (2013.01 - KR)

Cited by

EP4033032A1; EP4343066A1; EP4343067A1; WO2022156948A1; EP4063567A1; EP4350079A1; EP4350078A1; WO2024074366A1; EP4350077A1; WO2024074544A1; WO2022200098A1; EP3725950B1; EP3819434B1

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 3299523 A1 20180328; **EP 3299523 B1 20210331**; CA 3035986 A1 20180329; CA 3035986 C 20211109; CN 109891031 A 20190614; CN 109891031 B 20220218; HU E054961 T2 20211028; JP 2019533101 A 20191114; JP 7160467 B2 20221025; KR 102409875 B1 20220617; KR 20190075903 A 20190701; US 10577913 B2 20200303; US 2018080311 A1 20180322; WO 2018054566 A1 20180329

DOCDB simple family (application)

EP 16189878 A 20160921; CA 3035986 A 20170628; CN 201780058245 A 20170628; EP 2017065982 W 20170628; HU E16189878 A 20160921; JP 2019515870 A 20170628; KR 20197008097 A 20170628; US 201715641007 A 20170703