Title (en)

DEVICE AND METHOD FOR CONTINUOUSLY DRIVING A TUNNEL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM KONTINUIERLICHEN VORTREIBEN EINES TUNNELS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE PERCEMENT EN CONTINU D'UN TUNNEL

Publication

EP 3732350 A1 20201104 (DE)

Application

EP 19704562 A 20190201

Priority

- DE 102018102330 A 20180202
- EP 2019052461 W 20190201

Abstract (en)

[origin: WO2019149867A1] In a device and a method for continuously driving a tunnel along a predefinable setpoint trajectory there is provision to influence pressing forces which are applied to installed tubbing segments by compactors by means of a control circuit in such a way that during the driving and during the installation of tubbing rings, an actual trajectory remains in a region which is permissible for maintaining the predefined set point trajectory, for example by stabilising, preferably controlling an actual force focal point (406). In this context, when continuously driving a tunnel , the predefined set point trajectory is maintained solely by pressing forces acting in the axial direction, even during the installation of tubbing segments.

IPC 8 full level

E21D 9/10 (2006.01)

CPC (source: EP US)

E21D 9/0607 (2013.01 - US); **E21D 9/0621** (2013.01 - US); **E21D 9/0873** (2016.01 - US); **E21D 9/093** (2016.01 - US); **E21D 9/1093** (2013.01 - EP); **E21D 9/11** (2013.01 - US); **E21D 9/112** (2013.01 - US); E21D 9/003 (2013.01 - US); E21D 11/403 (2013.01 - US)

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

DOCDB simple family (publication)

WO 2019149867 A1 20190808; AU 2019216385 A1 20200820; AU 2019216385 B2 20240215; CA 3090346 A1 20190808; CN 111615583 A 20200901; CN 111615583 B 20211228; DE 102018102330 A1 20190808; EP 3732350 A1 20201104; EP 3732350 B1 20211117; ES 2904578 T3 20220405; JP 2021507154 A 20210222; JP 6876203 B2 20210526; RU 2020126048 A 20220302; US 11566522 B2 20230131; US 2021032991 A1 20210204

DOCDB simple family (application)

EP 2019052461 W 20190201; AU 2019216385 A 20190201; CA 3090346 A 20190201; CN 201980008604 A 20190201; DE 102018102330 A 20180202; EP 19704562 A 20190201; ES 19704562 T 20190201; JP 2020540637 A 20190201; RU 2020126048 A 20190201; US 201916964743 A 20190201