

Title (en)

TRACK CONSTRUCTION MACHINE AND METHOD FOR TAMPING SLEEPERS OF A TRACK

Title (de)

GLEISBAUMASCHINE UND VERFAHREN ZUM UNTERSTOPFEN VON SCHWELLEN EINES GLEISES

Title (fr)

MACHINE POUR LA CONSTRUCTION DE VOIE FERRÉE ET PROCÉDÉ DE BOURRAGE SOUS LES TRAVERSES D'UNE VOIE FERRÉE

Publication

EP 3870757 A1 20210901 (DE)

Application

EP 19778908 A 20190923

Priority

- EP 2019075451 W 20190923
- AT 3282018 A 20181024

Abstract (en)

[origin: WO2020083584A1] The invention relates to a track construction machine comprising a tamping assembly (1) for tamping sleepers (7) of a track (5) lying in a ballast bed (6), said tamping assembly (1) comprising a tool carrier (8) height-adjustably mounted on an assembly frame (2), on which tool carrier tamping tools (15) are arranged such that they can be moved towards each other, wherein the tool carrier (8) is coupled to a height adjustment drive (10) controlled by means of a control device (16). In order to control a lowering movement (9) of the tool carrier (8), a control circuit is configured with a controller (18), an adjusting device (19) for the height adjustment drive (10), and a measuring device (20) for detecting the lowering movement (9).

IPC 8 full level

E01B 27/16 (2006.01)

CPC (source: AT EP US)

E01B 27/16 (2013.01 - AT EP US); **E01B 27/17** (2013.01 - AT US); **E01B 27/02** (2013.01 - US); **E01B 2203/12** (2013.01 - AT US); **E01B 2203/122** (2013.01 - US); **E01B 2203/145** (2013.01 - US); **E01B 2203/16** (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 2020083584 A1 20200430; AT 521850 A1 20200515; AU 2019363551 A1 20210325; CA 3111338 A1 20200430; CN 112789379 A 20210511; EA 202100085 A1 20210831; EP 3870757 A1 20210901; EP 3870757 B1 20231115; EP 3870757 C0 20231115; ES 2970993 T3 20240603; JP 2022505726 A 20220114; JP 7389115 B2 20231129; PL 3870757 T3 20240408; US 2022056647 A1 20220224

DOCDB simple family (application)

EP 2019075451 W 20190923; AT 3282018 A 20181024; AU 2019363551 A 20190923; CA 3111338 A 20190923; CN 201980065169 A 20190923; EA 202100085 A 20190923; EP 19778908 A 20190923; ES 19778908 T 20190923; JP 2021522376 A 20190923; PL 19778908 T 20190923; US 201917275059 A 20190923