

Title (en)

TRACK-BOUND MAINTENANCE MACHINE AND METHOD FOR OPERATING THE MACHINE

Title (de)

GLEISGEBUNDENE INSTANDHALTUNGSMASCHINE UND VERFAHREN ZUM BETREIBEN DER MASCHINE

Title (fr)

MACHINE DE MAINTENANCE SUR RAILS ET PROCÉDÉ DE FONCTIONNEMENT DE LA MACHINE

Publication

EP 4291713 A1 20231220 (DE)

Application

EP 22702422 A 20220119

Priority

- AT 500812021 A 20210210
- EP 2022051117 W 20220119

Abstract (en)

[origin: WO2022171410A1] The invention relates to a track-bound maintenance machine (1) for maintaining a permanent way comprising a track grid (7) which is mounted in a ballast bed (6) and consists of sleepers (8) and rails (9) fastened thereon, comprising a lifting and levelling unit (4) for track lifting/levelling and a tamping unit (5) for track tamping. At least one rail machining unit (11) for continuously reprofiling the rails (9) is arranged on a machine frame (10). The elimination of rail defects contributes to increased stability of the adjusted track position because, after clearing the machined track portion, the rails (9) can be travelled on smoothly. The invention also relates to a method for operating the machine.

IPC 8 full level

E01B 27/17 (2006.01); **E01B 31/12** (2006.01); **E01B 31/13** (2006.01); **E01B 31/15** (2006.01); **E01B 31/17** (2006.01)

CPC (source: AT EP)

E01B 27/17 (2013.01 - AT EP); **E01B 31/12** (2013.01 - AT EP); **E01B 31/13** (2013.01 - AT EP); **E01B 31/15** (2013.01 - AT EP); **E01B 31/17** (2013.01 - AT EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022171410 A1 20220818; AT 17690 U1 20221115; EP 4291713 A1 20231220; JP 2024506074 A 20240208

DOCDB simple family (application)

EP 2022051117 W 20220119; AT 80112022 U 20210210; EP 22702422 A 20220119; JP 2023548267 A 20220119