

Title (en)

METHOD AND SYSTEM FOR THE CORRECTION OF VERTICAL POSITION FAULTS OF A TRACK

Title (de)

VERFAHREN UND SYSTEM ZUR KORREKTUR VON VERTIKALEN LAGEFEHLERN EINES GLEISES

Title (fr)

PROCÉDÉ ET SYSTÈME DE CORRECTION DE DÉFAUTS DE POSITION VERTICALE D'UNE VOIE FERRÉE

Publication

EP 4359609 A1 20240501 (DE)

Application

EP 22733082 A 20220614

Priority

- AT 505022021 A 20210621
- EP 2022066110 W 20220614

Abstract (en)

[origin: WO2022268566A1] Method for correcting vertical position faults of a track (4) after a lifting-tamping process, comprising a stabilization process which is carried out by means of a dynamic track stabilizer (1) and during which a stabilization assembly (22) acts on the track (4) at an working point (22) which moves forwards in a working direction (7), wherein, before the lifting-tamping process, track position data relating to the unworked track (4) is recorded and wherein, after the lifting-tamping process, track position data relating to the underfilled track (4) are recorded at a measurement point (10) which is located upstream of the stabilization assembly (22) in the working direction (7). In the process, additional track position data relating to the stabilized track (4) are recorded at a post-measurement point (21) which is located downstream of the stabilization assembly (22) in the working direction (7), wherein the dynamic track stabilizer (1) is actuated during the stabilization process depending on track position data relating to the unworked and the underfilled track (4) at the working point (22) and on track position data relating to the stabilized track (4) at the post-measurement point (21). The additional post-measurement of the track position after the stabilization process allows exact control of the dynamic track stabilizer (1).

IPC 8 full level

E01B 27/17 (2006.01); **E01B 29/04** (2006.01); **E01B 35/00** (2006.01); **E01B 35/08** (2006.01)

CPC (source: AT EP US)

E01B 27/17 (2013.01 - AT EP US); **E01B 27/20** (2013.01 - AT); **E01B 35/00** (2013.01 - EP); **E01B 29/04** (2013.01 - EP); **E01B 35/08** (2013.01 - EP); **E01B 2203/10** (2013.01 - AT EP US); **E01B 2203/16** (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 2022268566 A1 20221229; AT 17790 U1 20230215; EP 4359609 A1 20240501; JP 2024525380 A 20240712; US 2024271371 A1 20240815

DOCDB simple family (application)

EP 2022066110 W 20220614; AT 80212022 U 20210621; EP 22733082 A 20220614; JP 2023578870 A 20220614; US 202218566744 A 20220614