

Title (en)

Method for operating a movable superstructure machine on a railway track

Title (de)

Verfahren zum Betreiben einer auf einer Gleisanlage verfahrbaren Oberbaumaschine

Title (fr)

Procédé de réglage de voie ferrée destiné au fonctionnement d'une machine de voie pouvant se déplacer sur une installation de voie ferrée

Publication

EP 2957674 B1 20171011 (DE)

Application

EP 14172959 A 20140618

Priority

EP 14172959 A 20140618

Abstract (en)

[origin: US2015368865A1] A track adjustment system for operating a permanent-way machine (17) which is displaceable on a track system (1) comprises computer-controlled lifting and lining devices adjusting the track position, a control measuring system measuring the track position in the region of the lifting and lining devices (14), an acceptance measuring system measuring the corrected track position, and a tamping unit (24) tamping a ballasted track of the track system (1). For the purpose of achieving an improved track lining result, the amount of the elastic springback (Δ_{cw}) of the track panel, which is the result of a lining force (F) acting on the track, is calculated and said elastic springback (Δ_{cw}) is considered in the target value lining specification in such a way that the track is displaced with the lifting and lining devices by the amount of the elastic springback (Δ_{cw}) beyond the target position (0).

IPC 8 full level

E01B 27/17 (2006.01)

CPC (source: EP US)

E01B 27/17 (2013.01 - EP US)

Cited by

AT522404A1; AT522404B1; AT519003B1; AT519003A4; AT520559A4; AT520559B1; AT519218A4; AT519218B1; EP3358079A1; CN111566286A; AT17147U1; EP3907119A1; US11920308B2; WO2020191420A1; WO2022115891A3; WO2019140467A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2957674 A1 20151223; EP 2957674 B1 20171011; CN 105200877 A 20151230; CN 105200877 B 20191231; JP 2016003561 A 20160112; JP 6535230 B2 20190626; US 2015368865 A1 20151224; US 9631325 B2 20170425

DOCDB simple family (application)

EP 14172959 A 20140618; CN 201510527914 A 20150618; JP 2015122137 A 20150617; US 201514741898 A 20150617