

## Title (en)

Method and apparatus for tamping a railway track

## Title (de)

Verfahren und Stopfmaschine zum Unterstopfen eines Gleises

## Title (fr)

Méthode et appareil pour le bourrage d'une voie de chemin de fer

## Publication

**EP 1001085 A1 20000517 (DE)**

## Application

**EP 99890312 A 19990929**

## Priority

AT 188398 A 19981111

## Abstract (en)

The method involves using a measurement system (14) with a measurement line (16) formed by a light beam defined by two reference points (A,B), each formed by a sensing element movable along the track on flanged rollers, whereby the first reference point (A) is in front of the machine and the second (B) between the bogies (2). Relative displacements between the reference points are recorded during a first passage of the machine to form an actual track position graph, from which a desired position graph is derived by forming correction values. The track is raised and packed in the desired position during a second passage by recording the relative displacements of the reference points according to the correction values. An Independent claim is also included for an arrangement for packing a railway track.

## Abstract (de)

In einem Verfahren zum Unterstopfen eines Gleises (6) werden in einer ersten Maschinenvorfahrt Relativverschiebungen zwischen zwei Meß-Bezugspunkten (A,B) unter Bildung einer Ist-Lagekurve des Gleises (6) registriert. Anschließend wird aus der Ist-Lagekurve unter Bildung von Korrekturwerten (34) eine Soll-Lagekurve des Gleises (6) errechnet. In einer zweiten Maschinenvorfahrt erfolgt unter Registrierung der Relativverschiebungen zwischen den beiden Meß-Bezugspunkten (A,B) entsprechend den ermittelten Korrekturwerten eine Anhebung und Unterstopfung des Gleises in die Soll-Lage. <IMAGE>

## IPC 1-7

**E01B 35/10**; **E01B 27/17**

## IPC 8 full level

**E01B 27/16** (2006.01); **E01B 27/17** (2006.01); **E01B 35/10** (2006.01)

## CPC (source: EP US)

**E01B 27/17** (2013.01 - EP US); **E01B 35/10** (2013.01 - EP US)

## Citation (applicant)

- US 3545384 A 19701208 - PLASSER FRANZ, et al
- AT 314580 B 19740410 - PLASSER BAHNBAUMASCH FRANZ
- EP 0401260 B1 19940420 - HENTTINEN MATTI [FI]
- AT 328490 B 19760325 - TS OSRODEK BADAN I ROZWOJU TEC [PL]

## Citation (search report)

[XA] DE 2341788 A1 19750227 - ROBEL & CO G

## Cited by

RU2468136C1; AT514718A1; AT514718B1

## Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

## DOCDB simple family (publication)

**EP 1001085 A1 20000517**; **EP 1001085 B1 20041201**; AT E283942 T1 20041215; CA 2288921 A1 20000511; CA 2288921 C 20051227; CN 1124382 C 20031015; CN 1254778 A 20000531; DE 59911186 D1 20050105; DK 1001085 T3 20050214; ES 2232106 T3 20050516; JP 2000144606 A 20000526; JP 4086432 B2 20080514; US 6311624 B1 20011106

## DOCDB simple family (application)

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