

Title (en)

Track building machine and method for measuring a track

Title (de)

Gleisbaumaschine und Verfahren zur Erfassung einer Gleislage

Title (fr)

Procédé et machine pour mesurer une voie ferrée

Publication

EP 1270814 A3 20040102 (DE)

Application

EP 02450117 A 20020515

Priority

AT 4882001 U 20010621

Abstract (en)

[origin: EP1270814A2] The railway maintenance machine (1), to check the lie of the rails (12) of a permanent way (4), has a scanner unit (9) with wheel-flange rollers (10) to ride along the permanent way track. The machine frame (2) is fitted with an antenna (14) linked to an antenna center (15) as a satellite receiver (13). A monitor (18) registers the relative position of the antenna center, in relation to the rail scanner, according to the parameters of a lateral track pitch, a lateral shift normal to the longitudinal line of the machine and the vertical distance. A unit (25) computes the shift of the antenna center in relation to a reference point (22) at the scanner.

IPC 1-7

E01B 35/04

IPC 8 full level

E01B 35/00 (2006.01); **E01B 35/04** (2006.01); **G01B 11/00** (2006.01); **G01B 21/00** (2006.01); **G01C 9/00** (2006.01); **G01S 5/14** (2006.01)

CPC (source: EP US)

E01B 35/04 (2013.01 - EP US)

Citation (search report)

- [A] EP 0722013 A1 19960717 - PLASSER BAHNBAUMASCH FRANZ [AT]
- [DA] EP 1028325 A2 20000816 - PLASSER BAHNBAUMASCH FRANZ [AT]
- [A] US 5867404 A 19990202 - BRYAN MICHAEL A [US]
- [A] RU 2114950 C1 19980710 - AKTSIONERNOE OBSHCHESTVO OTKRY, et al

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WO2010089012A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1270814 A2 20030102; **EP 1270814 A3 20040102**; **EP 1270814 B1 20060614**; AT 4766 U2 20011126; AT 4766 U3 20020527; AT E330071 T1 20060715; CA 2391024 A1 20021221; CA 2391024 C 20051220; CN 1209529 C 20050706; CN 1393599 A 20030129; DE 50207166 D1 20060727; JP 2003075144 A 20030312; JP 4183978 B2 20081119; RU 2002116446 A 20040227; RU 2230849 C2 20040620; US 2002194751 A1 20021226; US 6618963 B2 20030916

DOCDB simple family (application)

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