

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

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

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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

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