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 B1 20060614 (DE)

Application

EP 02450117 A 20020515

Priority

AT 4882001 U 20010621

Abstract (en)

[origin: EP1270814A2] The railway mainentance 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 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)

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