

Title (en)

Machine and method for recognizing the sleeper positions in a track

Title (de)

Maschine und Verfahren zum Erkennen der Schwellenlage eines Gleises

Title (fr)

Machine et méthode pour identifier les positions des traverses dans une voie ferrée

Publication

EP 1283301 B1 20060719 (DE)

Application

EP 02450149 A 20020703

Priority

AT 12492001 A 20010809

Abstract (en)

[origin: EP1283301A2] The machine has a contactless sensor device (13) for determining the position of the sleepers (5) in conjunction with a displacement measuring unit (14) determining the position of the machine along the track rail (7), with centering of the working tools in dependence on the sleeper positions. The sensor device has a distance sensor (16) providing vertical distance values between the sensor device and the sleepers and between the sensor device and the track ballast (17), coupled to a control unit (15) determining the sleeper width (X) and the intermediate ballast gap (Y). An independent claim is also included for a railway track maintenance method.

IPC 8 full level

E01B 27/16 (2006.01); **E01B 35/06** (2006.01); **E01B 35/00** (2006.01); **G01B 21/00** (2006.01); **G01C 3/00** (2006.01)

CPC (source: EP US)

E01B 27/16 (2013.01 - EP US); **E01B 35/00** (2013.01 - EP US)

Cited by

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