

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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**EP 1283301 A2 20030212**; **EP 1283301 A3 20040728**; **EP 1283301 B1 20060719**; AT 411277 B 20031125; AT A12492001 A 20030415; AT E333536 T1 20060815; CA 2396911 A1 20030209; CA 2396911 C 20060214; CN 1215229 C 20050817; CN 1401852 A 20030312; DE 50207541 D1 20060831; ES 2266441 T3 20070301; JP 2003074004 A 20030312; JP 4058306 B2 20080305; PL 203982 B1 20091130; PL 355144 A1 20030210; RU 2002121059 A 20040220; RU 2228988 C2 20040520; US 2003029350 A1 20030213; US 6662728 B2 20031216

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