

Title (en)
METHOD FOR MEASURING TRACKS

Title (de)
VERFAHREN ZUR VERMESSUNG VON FAHRBAHNEN

Title (fr)
PROCEDE POUR MESURER DES VOIES DE CIRCULATION

Publication
EP 1738029 A1 20070103 (DE)

Application
EP 04728500 A 20040421

Priority
CH 2004000241 W 20040421

Abstract (en)
[origin: WO2005103385A1] The invention relates to a method for measuring tracks in relation to a measuring plan of the track which contains the actual position of the track, in relation to an absolute coordinate system. A measuring platform (2) is guided along the track (1), whereon an inertia platform (6) is arranged, which is initialised, respectively, calibrated to the beginning of the measurement and is aligned in relation to the coordinate system. The inertia platform (6) detects the respective positions of the measuring platform (2) in relation to the coordinate system during the journey of the measuring platform (2). Positional data of the inertia platform (6) is periodically examined based on fixed points (9; 9') which are arranged in the vicinity of the track and deviations in relation to the coordinate system are corrected by novel calibration, respectively, alignment.

IPC 8 full level
E01B 35/00 (2006.01)

CPC (source: EP US)
E01B 35/00 (2013.01 - EP US)

Citation (search report)
See references of WO 2005103385A1

Cited by
CN105887591A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005103385 A1 20051103; AT E525529 T1 20111015; EP 1738029 A1 20070103; EP 1738029 B1 20110921; JP 2007533878 A 20071122; JP 4676980 B2 20110427; NO 20065047 L 20061103; NO 338964 B1 20161107; US 2007213926 A1 20070913; US 7469479 B2 20081230

DOCDB simple family (application)
CH 2004000241 W 20040421; AT 04728500 T 20040421; EP 04728500 A 20040421; JP 2007508703 A 20040421; NO 20065047 A 20061103; US 58703804 A 20040421