

Title (en)

Method for the contactless measurement of a transverse profile or the distance between the rails of a track

Title (de)

Verfahren zur kontaktfreien Messung eines Querprofils bzw. Abstands von Schienen eines Gleises

Title (fr)

Procédé pour la mesure sans contact d'un profil transversal ou d'entrerails

Publication

EP 1415885 B1 20090729 (DE)

Application

EP 03450220 A 20031001

Priority

AT 7252002 U 20021029

Abstract (en)

[origin: EP1415885A1] A contactless rail profile and separation measurement procedure samples each rail (6) using a travelling transverse plane (20) scanning distance sensor (16) and records neuralgic net turnout measurements (25) in a polar coordinate system with conversion to Cartesian coordinates and comparison of actual with required values for gap and track width, flange and tread clearance to produce individual failure reports. An Independent claim is included for equipment using the procedure to check turnouts.

IPC 8 full level

B61K 9/08 (2006.01); **E01B 35/00** (2006.01); **E01B 35/04** (2006.01); **G01B 11/14** (2006.01)

CPC (source: EP)

E01B 35/04 (2013.01)

Cited by

CN104501755A; CN111609803A; CN112949483A; CZ308999B6; CN100460255C; CN108128323A; CN103512507A; CN108867213A; GB2437156A; GB2437156B; ES2333286A1; CN107101549A; CN103090768A; CN110375667A; US9822492B2; WO2014040094A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1415885 A1 20040506; EP 1415885 B1 20090729; AT 5911 U2 20030127; AT 5911 U3 20031125; AT E437787 T1 20090815; CN 100482888 C 20090429; CN 1499011 A 20040526; DE 50311750 D1 20090910; DK 1415885 T3 20090907; ES 2329886 T3 20091202; PL 212085 B1 20120831; PL 363067 A1 20040504; RU 2003131043 A 20050420; RU 2255873 C1 20050710

DOCDB simple family (application)

EP 03450220 A 20031001; AT 03450220 T 20031001; AT 7252002 U 20021029; CN 200310102683 A 20031029; DE 50311750 T 20031001; DK 03450220 T 20031001; ES 03450220 T 20031001; PL 36306703 A 20031023; RU 2003131043 A 20031022