

Title (en)  
Method and device for scanning a track bed

Title (de)  
Verfahren und Maschine zum Abtasten einer Gleislage

Title (fr)  
Procédé et dispositif de balayage de voie ferrée

Publication  
**EP 1650348 A3 20060823 (DE)**

Application  
**EP 05105340 A 20050617**

Priority  
AT 15882004 A 20040922

Abstract (en)  
[origin: US2006059697A1] In a method of tracing a track geometry immediately ahead of a ballast pick-up device of a cleaning machine in a working direction, a first and a second measuring chord are guided on the track by a respective front and rear end point. A versine measured by a first versine sensor of the first measuring chord is stored, in connection with a distance measurement, for registering the rear end point of the first measuring chord as a desired position with respect to a local track point. After the rear end point of the second measuring chord has reached the local track point, the rear end point is displaced until a measurement value corresponding to the stored versine is reached by a second versine sensor, and thus the desired position has been attained.

IPC 8 full level  
**E01B 35/00** (2006.01)

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

Citation (search report)

- [DA] US 4574704 A 19860311 - CICIN-SAIN IVO [CH]
- [A] US 3314154 A 19670418 - FRANZ PLASSER, et al
- [A] EP 1420113 A2 20040519 - PLASSER BAHNBAUMASCH FRANZ [AT]

Cited by  
EA032060B1; US11802380B2; WO2014166576A1

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

DOCDB simple family (publication)  
**US 2006059697 A1 20060323; US 7181851 B2 20070227**; AT E388274 T1 20080315; AU 2005211637 A1 20060406;  
AU 2005211637 B2 20100520; CN 100523379 C 20090805; CN 1752343 A 20060329; DE 502005003071 D1 20080417;  
DK 1650348 T3 20080609; EP 1650348 A2 20060426; EP 1650348 A3 20060823; EP 1650348 B1 20080305; ES 2302128 T3 20080701;  
JP 2006090122 A 20060406; JP 4902980 B2 20120321; PL 1650348 T3 20080829; RU 2293154 C1 20070210

DOCDB simple family (application)  
**US 20570705 A 20050817**; AT 05105340 T 20050617; AU 2005211637 A 20050921; CN 200510106944 A 20050922;  
DE 502005003071 T 20050617; DK 05105340 T 20050617; EP 05105340 A 20050617; ES 05105340 T 20050617; JP 2005275486 A 20050922;  
PL 05105340 T 20050617; RU 2005129285 A 20050921