

Title (en)

Continuous measuring method of the resistance to lateral displacement of a railway track

Title (de)

Verfahren zur kontinuierlichen Messung des Querverschiebewiderstandes eines Gleises

Title (fr)

Méthode de mesure de la résistance aux déplacements latéraux des rails d'une voie ferrée

Publication

**EP 0688902 B1 19990922 (DE)**

Application

**EP 95890093 A 19950512**

Priority

AT 120394 A 19940617

Abstract (en)

[origin: EP0688902A1] The measuring system uses an oscillation generator (21) for causing the tested rail track to oscillate in a horizontal direction, transverse to the track longitudinal direction, with measurement of the operating power for the oscillation generator, as an indication of the transverse displacement resistance of the track. Pref. the pressure of the hydraulic operating fluid used to drive the oscillation generator is measured as an indication of the transverse displacement resistance of the track, pref. with auxiliary measurement of the oscillation frequency and/or amplitude, the vertical loading force acting on the oscillation device (12) and/or the displacement rate of the track testing machine. <IMAGE>

IPC 1-7

**E01B 27/17**; **E01B 35/00**

IPC 8 full level

**G01M 5/00** (2006.01); **B61D 15/00** (2006.01); **B61K 9/08** (2006.01); **E01B 27/17** (2006.01); **E01B 27/20** (2006.01); **E01B 35/00** (2006.01); **E01B 35/08** (2006.01); **E01B 35/12** (2006.01); **G01M 7/02** (2006.01)

CPC (source: EP US)

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Cited by

JP2001241946A; CN104032630A; CN110296804A; CN107938586A; AT517771A1; AT517771B1; AT523949A1; AT523949B1; EP2770108A1; AT518195A1; AT518195B1; WO2014127393A1; US9957668B2; US10914040B2; WO2022008151A1; EP2902546B1; EP2902546B2; EP2770108B1

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