

Title (en)

DEVICE FOR MEASURING UNDULATING DEFORMATIONS OF THE RAIL-HEAD SURFACE OF A RAILWAY TRACK

Publication

EP 0107833 B1 19860723 (FR)

Application

EP 83110242 A 19831014

Priority

CH 604482 A 19821018

Abstract (en)

[origin: US4548070A] It comprises a chassis (1) resting on at least one rail (3) by means of contact members (4, 4') connected to a vehicle (V) traversing the track. It comprises at least a detector (2) delivering an electric signal representing the distances separating a rectilinear reference space defined by the position in space of said chassis (1) and successive points on the surface of the rail line (3) traversed. The contact members of the chassis (1) with the rail (3) are constituted by two shoes (4, 4') articulated on the chassis (1) about axes (5) perpendicular to the longitudinal axis of the rail. The extent of these shoes (4, 4') in the longitudinal direction of the rail (3) is at least equal to twice the wavelength (l) of the undulatory deformations of the rail of short wavelength, but less than the wavelength (L) of the undulatory deformations of long wavelength.

IPC 1-7

E01B 35/06

IPC 8 full level

B61K 9/08 (2006.01); **E01B 35/00** (2006.01); **E01B 35/06** (2006.01); **G01B 7/28** (2006.01); **G01B 21/00** (2006.01); **G01B 21/20** (2006.01)

CPC (source: EP US)

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Cited by

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EP 0107833 A1 19840509; **EP 0107833 B1 19860723**; AT E20924 T1 19860815; AU 2024483 A 19840503; AU 561570 B2 19870514; CA 1199491 A 19860121; CH 653073 A5 19851213; DE 107833 T1 19840913; DE 3364736 D1 19860828; JP H034083 B2 19910122; JP S5994002 A 19840530; US 4548070 A 19851022; ZA 837574 B 19840627

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