

Title (en)
DEVICE FOR CONTINUOUSLY MEASURING THE SHAPE OF THE TRANSVERSAL PROFILE OF THE USEFUL PART OF THE HEAD OF AT
LEAST ONE RAIL OF A RAILWAY TRACK

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Application
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Priority
CH 755782 A 19821227

Abstract (en)
[origin: US4541182A] The measuring device comprises a carrying frame (7) guided by the rails (2, 2') and driven along it through a railroad vehicle to which it is connected through the intermediary of hinges enabling a vertical and lateral displacement of said frame (7) with respect to the vehicle. The carrying frame (7) is provided with a plurality of feelers, cooperating with the surface of the head (12) of the rail (2) transversally spaced apart the ones from the other. The carrying frame (7) comprises a guiding dihedral used as reference base, the edge of which is parallel to the longitudinal axis of the rail (2), applied against the upper part of the rolling surface of the rail (2) and the lower part of the internal face of the head (12) of the rail. This guiding dihedral (2) carries at least one hinging shaft (21) which extends parallelly to the edge of the guiding dihedral (2) on which at least two mechanical feelers (16,17) are pivoted, said feelers contacting the rail (2) in a measuring zone extending transversely to the surface of the head (12) of the rail.

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CPC (source: EP US)
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Cited by
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