

Title (en)
METHOD AND MEANS FOR MEASURING THE POSITION OF A RAILWAY RAIL

Publication
EP 0051338 B1 19840808 (FR)

Application
EP 81201203 A 19811029

Priority
CH 819980 A 19801104

Abstract (en)
[origin: EP0051338A1] 1. A method of measuring the position of a railway track for checking, correction and/or recording purposes, by using a measuring vehicle travelling on the rails and a measuring base that is determined by rail reference points (A, C, D) and is defining the theoretical course of the rails, whereby the position of at least one measuring point (B) on the rail is determined relative to said measuring base, characterized in that use is made of a reference line (s) independent of any points (A, B, C, D) situated on the rails (2, 3) and extending at least approximately in the longitudinal direction of the rails, said reference line (s) being secured to at least one fixed point (A') of the vehicle (1) and defining a reference system independent of said measuring base and said measuring point (B), the co-ordinates of said rail reference points (A, C, D) and said measuring point (B) relative to said reference system are measured, whereafter on the one hand the measuring base resulting from the co-ordinates of said rail reference points (A, C, D) and on the other hand using the co-ordinates of the measuring points (B) the deviation of these measuring points (B) from said measuring base are calculated.

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E01B 35/00

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E01B 35/00 (2006.01)

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E01B 35/00 (2013.01); **E01B 2203/16** (2013.01)

Cited by
FR3141474A1; CN103983224A; DE10303177A1; EP0518822A1; US5255066A; CH683109A5; CN113340181A; EP2960371B1

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