

Title (en)

Diagnosis device for a wheelset for monitoring moving railway vehicles

Title (de)

Radsatzdiagnoseeinrichtung zur Überwachung fahrender Eisenbahnfahrzeuge

Title (fr)

Dispositif pour le diagnostic d'un train de roues pour surveiller des véhicules ferroviaires en marche

Publication

EP 0571852 B1 19960207 (DE)

Application

EP 93107974 A 19930517

Priority

DE 4217681 A 19920529

Abstract (en)

[origin: EP0571852A1] A diagnosis device for a wheel set for monitoring railway vehicles passing by is described, which is characterised in that a cavity which extends parallel to the sleeper is provided in a measuring sleeper or in a hollow track sleeper (11), in which cavity IR deflection units and at least one IR reception unit (15) are accommodated, which units permit, in contrast with previously known technologies, all the heat sources present in the region of the wheel set and on the underside of the vehicle to be monitored and, at the same time, provide the greatest possible degree of protection against mechanical and electrical influences. The wheel pressure and acceleration measuring devices which were first introduced in conjunction with the invented wheel set diagnosis device permit precise determination of the variables, such as wheel position, wheel weight and tread quality of the wheel, which are absolutely necessary to relativise the IR measurement results. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102004014282C5; EP2022698A3; EP1847819A3; WO0128838A1; EP1052606B2

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