

Title (en)

METHOD FOR MONITORING THE CONDITION OF WHEEL SETS AND RAIL VEHICLE

Title (de)

VERFAHREN FÜR EINE ZUSTANDSÜBERWACHUNG VON RADSÄTZEN SOWIE SCHIENENFAHRZEUG

Title (fr)

PROCÉDÉ POUR SURVEILLER L'ÉTAT D'ESSIEUX MONTÉS ET VÉHICULE FERROVIAIRE

Publication

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Application

EP 17702001 A 20170130

Priority

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- EP 2017000109 W 20170130

Abstract (en)

[origin: WO2017144153A2] In order to monitor the condition of wheel sets (2) of a rail vehicle (1), the wheel sets having suspension systems (8), using a working device (5) that generates a tilting moment, a change in the suspension travel of the suspension system (8), caused by a wheel-load reduction, is permanently measured by a wheel-load reduction sensor (15). When a pre-set switching mark has been reached, the wheel-load reduction sensor (15) automatically controls a drive unit (6) of the working device (5) in order to prevent a further increase in the tilting moment and/or controls the traction (3). This facilitates more economical use of the rail vehicle (1), since with the wheel-load reduction sensor (15) the working device no longer has to be permanently restricted to extreme situations.

IPC 8 full level

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