

Title (en)

METHOD AND DEVICE FOR MONITORING THE CHASSIS OF MULTIPLE-AXLE VEHICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG DER FAHRGESTELLE VON MEHRACHSIGEN FAHRZEUGEN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE CONTROLER LE CHASSIS DE VEHICULES A PLUSIEURS AXES

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Application

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Abstract (en)

[origin: WO060322A1] The invention relates to a method and a device for monitoring the chassis (1) of a multiple-axle vehicle that is guided on driveways or tracks (2). The accelerations of at least two axles (5a, 5b) of the chassis (1) is detected by acceleration sensors (11a, 11b) allocated to said axles (5a, 5b). The signals (s11a, s11b) generated by the acceleration sensors (11a, 11b) are submitted to a Fourier transformation (FFT). The frequency profiles resulting therefrom are compared to stored profiles. Detected differences are compared to threshold values and messages depending thereupon are sent to a system which serves for controlling the vehicle. The inventive method allows detection of changes in the mechanical operating performance of chassis independently from effects that are caused by a driveway.

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