

Title (en)

METHOD AND DEVICE FOR DETERMINING THE CONDITION OF AT LEAST ONE TYRE OF A VEHICLE WHEEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DES ZUSTANDES VON MINDESTENS EINEM REIFEN EINES FAHRZEUGRADES

Title (fr)

PROCEDE ET SYSTEME DE DETERMINATION DE L'ETAT D'AU MOINS UN PNEUMATIQUE D'UNE ROUE DE VEHICULE

Publication

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Application

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Abstract (en)

[origin: WO2007031677A2] The invention concerns a method for diagnosing the condition of at least one tyre of a vehicle wheel connected to the body shell thereof via a suspension, including, for the or each tyre, a step (102) of acquiring the vertical acceleration of the wheel in a reference model of the vehicle. Said method includes a step (108) of filtering the acquired acceleration to eliminate the frequencies thereof lower than a predetermined filtering frequency, a step (110) of determining a vertical excitation applied to the tyre based on the filtered acceleration, and a step (112, 114, 116, 118, 120) of determining the condition of the tyre based on the determined excitation.

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