

Title (en)

METHOD FOR DETERMINING A FRICTION VALUE FOR A CONTACT BETWEEN A TYRE OF A VEHICLE AND A ROADWAY, AND METHOD FOR CONTROLLING A VEHICLE FUNCTION OF A VEHICLE

Title (de)

VERFAHREN ZUM BESTIMMEN EINES REIBWERTS FÜR EINEN KONTAKT ZWISCHEN EINEM REIFEN EINES FAHRZEUGS UND EINER FAHRBAHN UND VERFAHREN ZUM STEUERN EINER FAHRZEUGFUNKTION EINES FAHRZEUGS

Title (fr)

PROCÉDÉ DE DÉTERMINATION D'UN COEFFICIENT DE FROTTEMENT POUR UN CONTACT ENTRE UN PNEUMATIQUE D'UN VÉHICULE ET UNE CHAUSSEE ET PROCÉDÉ POUR COMMANDER UNE FONCTION DE VÉHICULE D'UN VÉHICULE

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Application

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Abstract (en)

[origin: WO2019115662A1] The invention relates to a method for determining a friction value for a contact between a tyre of a vehicle (102) and a roadway. The method involves a step of processing sensor signals (140) using a processing rule in order to generate processed sensor signals. The sensor signals (140) represent status data input by at least one detection device (104, 109) and which can be correlated with the friction value. The processed sensor signals represent at least one provisional friction value relating to at least one measured sub-section of the roadway. The method also involves a step of determining the friction value for a sought partial section of the roadway using the processed sensor signals and a geostatistical process. The friction value is determined using a trend function defined as a linear combination of deterministic functions and a random variable. The trend function represents a local trend of status data. In addition, the process describes, for example, the processing of different provisional friction values from different sensors, which are used in a weighted combination for determining the friction value for a sought partial section of the roadway.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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