

Title (en)

METHOD AND DEVICE FOR DETERMINING A FRICTION VALUE REPRESENTING FRICTIONS ACTING BETWEEN A ROAD AND VEHICLE TIRES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERMITTLUNG EINER DEN ZWISCHEN FAHRBAHN UND FAHRZEUGGREIFEN VORLIEGENDEN REIBWERT REPRÄSENTIERENDEN REIBWERTGRÖSSE

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER UNE GRANDEUR DE FROTTEMENT REPRESENTANT LES FROTTEMENTS QUI AGISSENT ENTRE UNE CHAUSSEE ET DES PNEUMATIQUES DE VEHICULE

Publication

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Application

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Abstract (en)

[origin: WO2004083012A1] The invention relates to a method for determining a friction value (F_{μ}) representing frictions acting between a road and vehicle tires. For this purpose, a vehicle wheel slip value (λ_{ij}) describing the wheel slip at the level thereof is determined for at least one vehicle wheel. The friction value (F_{μ}) is determined as a function of the wheel slip value (λ_{ij}). For this purpose, the wheel slip values (λ_{ij}) are determined at different moments, in particular successive during the predefined condition of vehicle operation. The frequency distribution value for the wheel slip values (λ_{ij}) or slip values (λ_{VA} and λ_{HA}) for an axle which are determined as a function of said wheel slip values (λ_{ij}) is determined. The friction value (F_{μ}) is determined by the evaluation of said frequency distribution value.

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