Title (en)

METHOD FOR REGULATING THE DRIVING STABILITY OF A VEHICLE ACCORDING TO THE TIRE SLIP DEMAND VALUE, AND A CIRCUIT SUITED FOR CARRYING OUT THE METHOD

Title (de)

VERFAHREN ZUR REGELUNG DER FAHRSTABILITÄT EINES FAHRZEUGES IN ABHÄNGIGKEIT DES REIFENSCHLUPFBEDARFSWERTES SOWIE EINE FÜR DIE DURCHFÜHRUNG DES VERFAHRENS GEEIGNETE SCHALTUNG

Title (fr)

PROCEDE POUR LA REGULATION DE LA STABILITE DE CONDUITE D'UN VEHICULE EN FONCTION DE LA VALEUR DEMANDEE DE PATINAGE DU PNEU, AINSI QUE CIRCUIT APPROPRIE POUR LA MISE EN OEUVRE DU PROCEDE

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Application

**EP 99924935 A 19990511**

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Abstract (en)

[origin: WO9958381A1] The invention relates to a regulating method for regulating the driving stability of a vehicle in which the input magnitudes ( theta , nu ref) essentially determined by the desired driving curve are converted into a specified value (gS) of a yaw angle magnitude on the basis of a vehicle model which is determined by operands. Said specified value (gS) is compared with the actual value (gI) of the yaw angle magnitude in a comparator. Said actual value is determined by means of a sensor. The determined differential value (gD) is fed to a regulating system by calculating a torque magnitude (M) which serves to determine pressure magnitudes ( DELTA p,p). Said pressure magnitudes generate a supplementary yawing moment over the wheel brakes of the vehicle. The yawing moment leads the measured yaw angle magnitude up to the calculated yaw angle magnitude. According to the invention, the regulating method is carried out according to a K value from at least one tire of the vehicle.

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