

Title (en)

METHOD AND DEVICE FOR DETECTING PARAMETERS CHARACTERIZING THE DRIVING BEHAVIOR OF A VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERMITTLUNG VON DAS FAHRVERHALTEN EINES FAHRZEUGES CHARAKTERISIERENDEN GRÖSSEN

Title (fr)

\$G(C) PROCEDE ET DISPOSITIF PERMETTANT DE DETERMINER LES GRANDEURS CARACTERISANT LA TENUE DE ROUTE D'UN VEHICULE

Publication

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Application

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Abstract (en)

[origin: WO03076243A1] The invention relates to a method for detecting parameters characterizing the driving behavior of a vehicle, according to which at least one vehicle speed parameter, which represents at least one parameter (vy) describing the lateral velocity of the vehicle, and/or a roadway parameter describing the quality and/or the course of the roadway is/are detected at least according to one parameter (ax) describing the longitudinal acceleration of the vehicle, a parameter (ay) describing the lateral acceleration of the vehicle, a parameter ( psi ) describing the yaw rate of the vehicle, a parameter ( delta , delta Rad,i) characterizing the steering angle of the steered wheels, and parameters ( omega Rad,i) describing the rotation speeds of the vehicle wheels by means of an estimation method. A parameter (vx) describing the longitudinal velocity of the vehicle is detected as an additional vehicle speed parameter. A parameter ( THETA ) describing the longitudinal slope of the roadway, and/or a parameter ( PHI ) describing the transversal slope of the roadway, and/or a parameter ( mu ) describing the coefficient of friction of the roadway is/are detected as the roadway parameter.

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IPC 8 full level

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