

Title (en)

METHOD OF IDENTIFYING THE VERTICAL MOMENT OF INERTIA AND CORNERING STIFFNESSES OF A MOTOR VEHICLE

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG DES VERTIKALEN TRÄGHEITSMOMENTS UND ECKVERSTEIFUNGEN EINES KRAFTFAHRZEUGS

Title (fr)

PROCEDE D'IDENTIFICATION DU MOMENT D'INERTIE VERTICAL ET DES RIGIDITES DE DERIVE D'UN VEHICULE AUTOMOBILE

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Application

EP 08805677 A 20080422

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Abstract (en)

[origin: WO2009004194A1] The present invention relates to a method of identifying a vertical moment of inertia and front and rear cornering stiffnesses of a motor vehicle comprising at least two steered wheels. This method involves a step (12, 14) of measuring a yaw rate and a transverse acceleration of the vehicle and a step (16, 18, 20) of simultaneously identifying said moment of inertia and said stiffnesses as parameters for a parametric model of a predetermined type for the vehicle according to the yaw-rate and transverse-acceleration measurements.

IPC 8 full level

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See references of WO 2009004194A1

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