Title (en)
METHOD FOR DETERMINING THE LATERAL ACCELERATION OF A MOTOR VEHICLE

Title (de)
VERFAHREN ZUR BESTIMMUNG DER QUERBESCHLEUNIGUNG EINES KRAFTFAHRZEUGS

Title (fr)
PROCEDE POUR DETERMINER L'ACCELERATION TRANSVERSALE D'UN VEHICULE AUTOMOBILE

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Abstract (en)
[origin: WO0170549A1] A method for determining the lateral acceleration of a motor vehicle is disclosed, whereby calculations are performed on signals from a wheel sensor and from a load sensor. Said sensors are often already mounted in a vehicle, for example, for suspension control, thus, additional sensors are not required. The values for lateral acceleration, determined as above, can be used in further devices, for example, in dynamic control systems, or a device for reducing roll. With an air suspension system for example, a pressure sensor may be used as load sensor, which measures the air pressure in the air bellow of the suspension system and sends a signal corresponding to the mass or axle load to the controller. In an alternative embodiment of the invention, the lateral acceleration may be determined by mean of a steering angle sensor.

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