

Title (en)

DEVICE FOR DETECTING THE CHARACTERISTICS OF AN IMPACT INTO A MOTOR VEHICLE

Title (de)

VORRICHTUNG ZUR DETEKTION DER CHARAKTERISTIK EINES AUFPRALLS AUF EIN KRAFTFAHRZEUG

Title (fr)

DISPOSITIF DE DÉTECTION DE LA CARACTÉRISTIQUE D'UN IMPACT SUR UN VÉHICULE À MOTEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2009130097A1] The invention relates to a device for the detection of the characteristics of an impact into a motor vehicle. The invention comprises at least one signal generating unit (1, 2) for generating a defined acoustic impulse sequence depending on the speed of the impact, particularly a structure-borne acoustic impulse sequence due to a deformation of a chassis component (3, 4, 5, 6, 7) of the motor vehicle, wherein the acoustic impulse sequence is generated by means of a mechanical activation of the signal generating device (1, 2) caused by the deformation. The invention further comprises a sensor system (9) for detecting the defined acoustic impulse sequence. Finally, the invention comprises an analysis unit (10) for analyzing the signals supplied by the sensor system (9) such that information can be supplied on the characteristics of the impact.

IPC 8 full level

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