

Title (en)

A VEHICLE DRIVABILITY EVALUATION SYSTEM AND METHOD

Title (de)

SYSTEM UND VERFAHREN ZUR BEURTEILUNG DER FAHRBARKEIT EINES FAHRZEUGES

Title (fr)

SYSTÈME ET PROCÉDÉ D'ÉVALUATION DE MANIABILITÉ DE VÉHICULE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2017099689A1] The present invention relates to a vehicle drivability evaluation system and method (1), which will enable objective evaluation in the drivability tests conducted in the vehicle/product development stage, and which is basically characterized by at least one acceleration sensor (2) which enables to collect data of the acceleration occurring at departure, gear shifting or drifting maneuvers; at least one GPS speed sensor (3) which enables to record the data of the vehicle speed at gear shifting and departure maneuvers; at least one position sensor (4) which enables to collect the data of the pressure applied by the driver to the gas pedal or the clutch pedal at departure and gear shifting maneuvers; at least one fiber-optic sensor (5), which, upon being connected to the engine crank, enables to collect vehicle engine rpm (engine speed) data; at least one recording module (6) which is adapted to collect and record the data received from the acceleration sensor (2), GPS speed sensor (3), position sensor (4) and fiber-optic sensor (5); at least one electronic control unit (7) which is adapted to draw an evaluation conclusion by using the information in the recording module (6).

IPC 8 full level

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