

Title (en)

METHOD FOR OPERATING A SENSOR ASSEMBLY IN A MOTOR VEHICLE ON THE BASIS OF A DSI PROTOCOL

Title (de)

VERFAHREN ZUM BETREIBEN EINER SENSORANORDNUNG IN EINEM KRAFTFAHRZEUG AUF BASIS EINES DSI-PROTOKOLLS

Title (fr)

PROCÉDÉ DESTINÉ À FAIRE FONCTIONNER UN SYSTÈME DE CAPTEURS DANS UN VÉHICULE AUTOMOBILE SUR LA BASE D'UN PROTOCOLE DSI

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Application

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Priority

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Abstract (en)

[origin: WO2019238395A1] The invention relates to a method for operating a sensor assembly (2) in a motor vehicle (1) on the basis of a DSI protocol, wherein - the sensor assembly (2) has a central unit (3) as a master and a plurality of sensor units (S1, S2, S3) as slaves controlled by the master, - the central unit (3) and the sensor units (S1, S2, S3) are connected to a bus line (4) and - communication between the central unit (3) and the sensor units (S1, S2, S3) occurs via the bus line (4), characterized by the following method steps: - transmitting a first message from the central unit (3) to a first sensor (S1) and subsequently - transmitting a second message from the central unit (3) to a second sensor (S2) without the central unit (3) waiting to receive a reply message from the first sensor (S1). In this way, such a method for operating a sensor assembly (2) in a motor vehicle (1) is provided, in which communication between the master and the slaves can occur regularly with a high payload rate while a predefined ASIL is ensured.

IPC 8 full level

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CPC (source: EP KR US)

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