

Title (en)
METHOD FOR OPERATING A COMMON RAIL SYSTEM OF A MOTOR VEHICLE HAVING A REDUNDANT RAIL PRESSURE SENSOR

Title (de)
VERFAHREN ZUM BETREIBEN EINES COMMON-RAIL-SYSTEMS EINES KRAFTFAHRZEUGS MIT EINEM REDUNDANTEN
RAILDRUCKSENSOR

Title (fr)
PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN SYSTÈME À RAMPE COMMUNE D'UN VÉHICULE AUTOMOBILE PRÉSENTANT UN
SYSTÈME REDONDANT DE DÉTECTION DE LA PRESSION DE RAMPE

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Application
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Abstract (en)
[origin: WO2014166690A1] The invention proposes a method for operating a common rail system (100) of a motor vehicle, which common rail system has a rail pressure sensor arrangement (140) with at least two signal paths (141a, 141b) and which common rail system can be operated with a maximum admissible rail pressure (P_{max}) and with a minimum admissible rail pressure (P_{min}). In each case on the basis of a pressure measurement in a rail (150) of the common rail system (100), sensor signals (144a, 144b) are read out via the at least two signal paths (141a, 141b), and a signal deviation value (A) is determined which characterizes a deviation between pressure values (a, b) each determined on the basis of the sensor signals (144a, 144b). The method comprises the steps of reducing the maximum admissible rail pressure (P_{max}) by a corrective value to a maximum admissible emergency rail pressure (P_{max,E}), and/or increasing the minimum admissible rail pressure (P_{min}) by a corrective value to a minimum admissible emergency rail pressure (P_{min,E}), if the signal deviation value (A) exceeds a predefined value.

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