

Title (en)
METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE, DEVICE FOR THE OPEN-LOOP AND CLOSED-LOOP CONTROL OF AN INTERNAL COMBUSTION ENGINE, INJECTION SYSTEM, AND INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUM BETRIEB EINER BRENNKRAFTMASCHINE, EINRICHTUNG ZUM STEUERN UND/ODER REGELN EINER BRENNKRAFTMASCHINE, EINSPRITZSYSTEM UND BRENNKRAFTMASCHINE

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE, DISPOSITIF DE COMMANDE ET/OU DE RÉGULATION D'UN MOTEUR À COMBUSTION INTERNE, SYSTÈME D'INJECTION ET MOTEUR À COMBUSTION INTERNE

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Abstract (en)
[origin: WO2017186325A1] The invention relates to a method for operating an internal combustion engine comprising a motor having a number of cylinders and an injection system having a common rail with a number of injectors assigned to the cylinders and similar high-pressure components, in particular wherein an injector is assigned an individual reservoir, which is designed to hold fuel from the common rail for the injector, wherein the method has the steps: injecting fuel from the common rail into a cylinder by means of an injector, determining a fuel pressure for a high-pressure component, in particular the common rail, the injector and/or the individual reservoir, having at least one high-pressure sensor measuring the fuel pressure. According to the invention, provision is made for – a defect in the high-pressure sensor to be detected in that a check is made as to whether magnitude of the high-pressure control deviation (ep) during a predetermined time interval (tLimit1 SD, tLimit2 SD , tLimit3 SD) exceeds a predetermined limiting value (eLimit1 SD, eLimit2 SD , eLimit3 SD) .

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