

Title (en)

METHOD FOR CONTROLLING THE RAIL PRESSURE IN A COMMON-RAIL INJECTION SYSTEM OF A COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR REGELUNG DES RAILDRUCKS IN EINEM COMMON-RAIL EINSPRITZSYSTEM EINER BRENNKRAFTMASCHINE

Title (fr)

PROCÉDÉ DE RÉGLAGE DE LA PRESSION DU RAIL DANS UN SYSTÈME D'INJECTION À RAIL COMMUN D'UN MOTEUR À COMBUSTION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011000480A1] Proposed is a method for open-loop and closed-loop control of an internal combustion engine (1), the rail pressure (pCR) being controlled via a low pressure-side suction throttle valve (4) as the first pressure-adjusting element in a rail pressure control loop. The invention is characterized in that a rail pressure disturbance variable is generated to influence the rail pressure (pCR) via a high pressure-side pressure control valve (12) as the second pressure-adjusting element, by means of which fuel is redirected from the rail (6) into a fuel tank (2).

IPC 8 full level

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