

Title (en)

Method for controlling rail pressure during a starting process

Title (de)

Verfahren zur Regelung des Raildrucks während eines Startvorgangs

Title (fr)

Procédé de réglage de la pression du rail lors d'un processus de démarrage

Publication

EP 2006521 B1 20101229 (DE)

Application

EP 08010497 A 20080610

Priority

DE 102007027943 A 20070618

Abstract (en)

[origin: US2008312807A1] A process for automatically controlling the rail pressure (pCR) in an internal combustion engine with a common-rail system during the starting operation, the process including: calculating control deviation from a nominal rail pressure and an actual rail pressure; calculating, in a pressure controller, a correcting variable for actuating a suction throttle on the basis of the control deviation; and the suction throttle determining the required quantity of fuel. After the engine has been started, an adaptation process is activated upon detection of a negative control deviation of the rail pressure (pCR) followed by a positive control deviation, as a result of which the correcting variable is changed temporarily in such way as to increase the amount of fuel being delivered.

IPC 8 full level

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CPC (source: EP US)

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