

Title (en)

Control method and control apparatus for a multiple-acting valve within a fuel injection system

Title (de)

Steuerverfahren und Vorrichtung zur Mehrstellungventilbetätigung in einem Kraftstoffeinspritzsystem

Title (fr)

Méthode et appareil de commande pour une valve à plusieurs voies dans un système d'injection de carburant

Publication

EP 1138920 B1 20041117 (EN)

Application

EP 00106987 A 20000401

Priority

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Abstract (en)

[origin: EP1138920A1] A control method and a control apparatus for a multiple-acting valve (10) within a fuel injection system are described. The method is characterized in that the multiple-acting valve (10) is controlled by a control unit (120) as according to a predefined control scheme. At least one system parameter (p, T, VB, Stsync, DELTA T, Stinj) is monitored. The predefined control scheme and therefore the control of the multiple-acting valve is modified in case at least one of the monitored system parameters (p, T, VB, Stsync, DELTA T, Stinj) and/or combination of two or more of the parameters match predefined conditions. The apparatus is characterized in that a control unit (120) is implemented for control of the multiple-acting valve (10) as according to a predefined control scheme. Monitoring means (100, 105, 110, 115, 125, 135) are implemented for monitoring the system parameters (p, T, VB, Stsync, DELTA T, Stinj). Modification means (120) are implemented for modification of the predefined control scheme and therefore the control of the multiple-acting valve in case at least one of the monitored system parameters (p, T, VB, Stsync, DELTA T, Stinj) match predefined conditions. <IMAGE>

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