Title (en)
METHOD FOR ADJUSTING THE DURATION OF FUEL INJECTION THROUGH AN INJECTION VALVE

Title (de)
VERFAHREN ZUM EINSTELLEN EINER EINSPRITZZEITDAUER VON KRAFTSTOFF DURCH EIN EINSPRITZVENTIL

Title (fr)
PROCEDE POUR AJUSTER UNE PERIODE D'INJECTION DE CARBURANT PAR UNE SOUPAPE D'INJECTION

Publication
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Application
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Abstract (en)
[origin: WO2004094804A1] The invention relates to a method for adjusting the duration of fuel injection through an injection valve according to the temperature of the injected fuel. When in an operational mode, fuel is injected by the injection valve into a combustion chamber and non-injected fuel is discharged as a leakage flow. Fuel is supplied to the injection valve at a first high pressure. A first temperature of the fuel in the leakage flow and the pressure of the fuel in the fuel pressure store are measured. A second temperature of the fuel which is to be injected into the injection valve is determined according a function with the first temperature of the fuel in the leakage flow and the first pressure, and the duration of the fuel injection is adjusted according to the second temperature.

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