

Title (en)

METHOD AND DEVICE FOR THE CONTROL OF A FUEL INJECTION VALVE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANSTEUERUNG EINES KRAFTSTOFFEINSPRITZVENTILS

Title (fr)

PROCEDE ET DISPOSITIF POUR LA COMMANDE D'UNE VALVE D'INJECTION DE CARBURANT

Publication

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Application

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Abstract (en)

[origin: WO0171174A1] The invention relates to a method and device for the control of a solenoid valve for fuel injection in an internal combustion engine. The control phase thereof is divided into an operating phase (TA), during which the one valve needle of the solenoid valve is held open by a current (IA), flowing through the solenoid coil thereof and a hold phase (TH), during which the valve needle is held open by a second, lower current (IH), flowing through the solenoid coil. At least once at the beginning of the operating phase (TA), a booster phase (B1) is activated, whereby a pulse shaped booster current (IBOOST) flows through the solenoid coil from a booster condenser charged to a high voltage (UBOOST). The invention is characterised in that, during the control phase of the solenoid valve, several booster impulses (B1, B21, B22) are activated sequentially, at freely selectable times during the control phase.

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