

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE PIEZO-ACTUATOR OF A PIEZO-CONTROL VALVE OF A PUMP NOZZLE UNIT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANSTEUERUNG DES PIEZO-AKTUATORS EINES PIEZO-STEUERVENTILS EINER PUMPE-DÜSE-EINHEIT

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE DE L'ACTIONNEUR PIEZOELECTRIQUE DE LA SOUPAPE DE DISTRIBUTION PIEZOELECTRIQUE D'UNE UNITE DE POMPE D'INJECTION

Publication

EP 1488089 A1 20041222 (DE)

Application

EP 03727149 A 20030321

Priority

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Abstract (en)

[origin: WO03083278A1] In order to close the piezo-control valve (22) of a pump-nozzle unit, the piezo-actuator (76) is controlled by means of at least one first current pulse (I1) and a second current pulse (I2) occurring at a specific time duration therefrom instead of a single pulse current packet. A bounce pulse occurring when the valve needle (48) impacts upon the valve seat (62) is thus avoided or at least prevented. Optionally, a partial current level (IT) is maintained between the first current pulse (I1) and the second current pulse (I2).

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CPC (source: EP)

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