

Title (en)
METHOD FOR CONTROLLING A MAGNETIC VALVE OF A RATE CONTROL IN AN INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUR REGELUNG EINES MAGNETVENTILS EINER MENGENSTEUERUNG IN EINER BRENNKRAFTMASCHINE

Title (fr)
PROCÉDÉ DE RÉGULATION D'UNE ÉLECTROVANNE D'UNE COMMANDE DE QUANTITÉ DANS UN MOTEUR À COMBUSTION INTERNE

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Application
EP 09796658 A 20091203

Priority

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- DE 102008054702 A 20081216

Abstract (en)
[origin: WO2010072536A1] The invention relates to a method for controlling a fuel injection system (10) of an internal combustion engine, wherein the fuel injection system (10) comprises a high pressure pump (16) to which a rate control valve (15) having a magnetic valve (22) for supplying fuel and activated electromagnetically by a coil (21) is allocated, wherein the rate control valve (15) controls the fuel volume conveyed by the high pressure pump (16) and the coil (21) of the magnetic valve (22) is powered according to a target parameter in order to close said valve for supplying fuel to the high pressure pump (16), wherein the target parameter upon closing the magnetic valve (22) lowers from a first target current value (422) to a second target current value (431) such that an emission of audible noise occurring upon closing of the magnetic valve (22) during operation of the internal combustion engine is at least partially reduced.

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