

Title (en)

METHOD AND DEVICE FOR OPERATING AN INJECTION SYSTEM IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETRIEB EINES EINSPRITZSYSTEMS EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF POUR FAIRE FONCTIONNER UN SYSTEME D'INJECTION D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1567758 B1 20080213 (DE)**

Application

**EP 03767399 A 20031104**

Priority

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Abstract (en)

[origin: WO2004048763A1] Disclosed are a method and a device for operating an injection system in an internal combustion engine (10), according to which an injection actuator (104) is triggered (215) based on at least one state variable of an injection system. In order to increase the accuracy of the quantity of fuel that is apportioned, the at least one state variable is detected and is temporarily stored, the at least one injection actuator (104) is triggered (520) by means of a triggering pulse that lasts a given period of time and has a given output amplitude, the injection is detected (525) when the at least one injection actuator (104) is triggered (520), the amplitude of the triggering pulse is incremented (535) in predefined steps lasting said given period of time until an injection is detected (525), and the amplitude of the triggering pulse causing the injection is permanently stored (530) as a function of the detected state variable in case an injection is detected and is used as a basis for triggering the at least one injection actuator during future operation of the injection system.

IPC 8 full level

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