

Title (en)

METHOD FOR DETERMINING A CLOSING TIME OF A FUEL INJECTOR

Title (de)

VERFAHREN ZUR BESTIMMUNG EINES SCHLIESSZEITPUNKTES EINES KRAFTSTOFFINJEKTORS

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE L'INSTANT DE FERMETURE D'UN INJECTEUR DE CARBURANT

Publication

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Application

EP 15722133 A 20150504

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Abstract (en)

[origin: WO2015173039A1] The invention relates to a method for the determining a closing time (tS) of a fuel injector comprising a piezoelectric actuator and a valve needle, wherein in order to close the valve needle of the fuel injector, the piezoelectric actuator is discharged; According to the invention, a variable (U) characterizing an extension of the piezoelectric actuator (110) is measured on said piezoelectric actuator; the discharge is interrupted during a time interval (Δt), before the end of the discharging process; and the closing time (tS) is determined from the variation of the first variable (U) during the time interval (Δt).

IPC 8 full level

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