

Title (en)

A METHOD OF CONTROLLING A SOLENOID OPERATING FUEL INJECTOR

Title (de)

EIN VERFAHREN ZUR STEUERUNG EINES SOLENOID-BETRIEBS-KRAFTSTOFFINJEKTORS

Title (fr)

PROCEDE DE COMMANDE D'UN INJECTEUR DE CARBURANT A ELECTROVANNE

Publication

**EP 4295024 A1 20231227 (EN)**

Application

**EP 22705050 A 20220211**

Priority

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Abstract (en)

[origin: GB2603955A] A method of controlling a fuel injector including an electrically controlled actuator, the actuator adapted to control a needle valve by the movement of a needle to and from a valve seat of said needle valve, the method comprising: a) determining for said fuel injector, a plot of fuel quantity delivered (Q) by said fuel injector against the pulse width of an actuator actuation pulse sent to said actuator; b) providing a modified plot of fuel quantity delivered by said fuel injector against the pulse width of the actuator actuation pulse based on the plot of step a); c) using said modified plot to subsequently control activation of said fuel injector; wherein step b) comprising the steps of d) identifying spoon regions in said plot of step a), and e) reproducing the plot of step a) without any data from the spoon regions of the plot of a).

IPC 8 full level

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