

Title (en)

A method of controlling a piezoelectric actuator

Title (de)

Verfahren zur Steuerung eines piezoelektrischen Aktors

Title (fr)

Méthode de commande d'un actionneur piézo-électrique

Publication

EP 1923559 B1 20091007 (EN)

Application

EP 06255815 A 20061114

Priority

EP 06255815 A 20061114

Abstract (en)

[origin: EP1923559A1] A method controls the displacement of a stack of a piezoelectric actuator for use in a fuel injector in order to control fuel volume delivery. The method comprises causing a varying current to be driven into or out of the stack to charge or discharge the stack, respectively, during an opening phase. The opening phase comprises at least a primary phase, measuring a parameter during the opening phase. The method further comprises comparing the measured parameter with a predetermined threshold value, and taking corrective action to adjust the fuel volume delivery, during a subsequent injection, depending on the result of the comparison.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN109488654A; GB2480076A; CN116447030A; US8952597B2; EP2136062A1; WO2010094516A1

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