

Title (en)

Method of controlling a piezoelectric actuator

Title (de)

Verfahren zur Steuerung eines piezoelektrischen Aktuators

Title (fr)

Méthode de contrôle d'un actionneur piézoélectrique

Publication

EP 1860307 B1 20111012 (EN)

Application

EP 06254039 A 20060801

Priority

GB 0610225 A 20060523

Abstract (en)

[origin: EP1860307A1] A method for controlling the displacement of a stack (2) of a piezoelectric actuator (1) for use in a fuel injector comprises determining a desirable amount of charge (#Q) to be added or removed from the stack (2). The method further comprises selecting a drive current level (PO, SO) and a drive time (t open , t close) in accordance with the desired amount of charge (#Q) and an operating parameter, and driving the drive current through the stack (2) for the drive time (t open , t close) in order to add or remove the desired amount of charge (#Q).

IPC 8 full level

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CPC (source: EP)

F02D 41/2096 (2013.01); **F02D 2041/2058** (2013.01); **F02D 2200/0602** (2013.01)

Cited by

EP2136062A1; CN103835851A; US8952597B2; WO2015078723A1; EP2128415A1; US9976505B2; EP2400134A1

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EP 1860307 A1 20071128; **EP 1860307 B1 20111012**; AT E528496 T1 20111015; GB 0610225 D0 20060705; JP 2011001963 A 20110106; JP 5259672 B2 20130807

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