

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

**F02D 41/20** (2006.01)

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

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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

DOCDB simple family (application)

**EP 06254039 A 20060801**; AT 06254039 T 20060801; GB 0610225 A 20060523; JP 2010227334 A 20101007