

Title (en)

DEVICE FOR CONTROLLING A PIEZOELECTRIC ACTUATOR

Title (de)

VORRICHTUNG ZUM ANSTEUERN EINES PIEZOELEKTRISCHEN STELLGLIEDES

Title (fr)

DISPOSITIF DE COMMANDE D'UN ORGANE DE REGLAGE PIEZOELECTRIQUE

Publication

**EP 1371099 A2 20031217 (DE)**

Application

**EP 02753697 A 20020321**

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Abstract (en)

[origin: WO02078098A2] The invention relates to a device for controlling a piezoelectric actuator (Cp), in particular for a fuel-injection valve of an internal combustion engine, comprising an energy source (EQ), which supplies the actuator (Cp) with energy (E0), whereby the extension of the piezoelectric actuator (Cp) corresponds with a predetermined response to changes in temperature. The invention is characterised in that a compensation capacitor (C0) is connected in parallel to the piezoelectric actuator (Cp). The capacitance of said capacitor is calculated in such a way that the extension (Cp) of the actuator remains approximately constant over the temperature range, when supplied with a constant amount of energy (E0) by the energy source (EQ).

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