

Title (en)

Method for controlling a capacitive actuator of a fuel injection valve in an engine

Title (de)

Verfahren zum Ansteuern eines kapazitiven Stellgliedes eines Kraftstoffeinspritzventils einer Brennkraftmaschine

Title (fr)

Méthode pour commander un organe de réglage capacitif d'injecteur de carburant pour moteur à combustion

Publication

EP 1087120 A3 20030502 (DE)

Application

EP 00119853 A 20000912

Priority

DE 19945670 A 19990923

Abstract (en)

[origin: EP1087120A2] The method involves determining the amounts of energy (E) fed to the actuator in dependence on the fuel pressure exerted on the actuator. The amount of energy fed to the actuator is proportional to the fuel pressure, to a first approximation. The amount of energy is fed to the actuator by applying a charging voltage to the actuator, dependent on the actuator capacitance, or by charging the actuator at a known voltage for a predetermined charging time.

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F02D 41/20; H03K 17/64; F02D 41/38

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [X] US 4756290 A 19880712 - MORITUGU MITIYASU [JP], et al
- [A] EP 0894965 A1 19990203 - ISUZU MOTORS LTD [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 011, no. 272 (M - 622) 4 September 1987 (1987-09-04)
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 405 (M - 868) 7 September 1989 (1989-09-07)

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