

Title (en)

Fuel injection system for internal combustion engine

Title (de)

Kraftstoffeinspritzsystem für eine Brennkraftmaschine

Title (fr)

Système d'injection de carburant pour moteur à combustion

Publication

EP 1441119 A3 20100616 (EN)

Application

EP 04000881 A 20040116

Priority

JP 2003009924 A 20030117

Abstract (en)

[origin: EP1441119A2] An electronic control unit (ECU) (10) of a fuel injection system for an internal combustion engine performs feedback control of a fuel discharging quantity in both of normal control and learning control based on a pressure deviation between a target fuel pressure and an actual fuel pressure. In the learning control, the ECU (10) calculates a difference between first demand driving current and second demand driving current as a current learning value for learning and correcting target driving current. The ECU (10) renews and stores the current learning value in a memory. The first demand driving current is converted from the fuel discharging quantity as a target discharging quantity calculated through the above feedback control based on a reference property. The second demand driving current is converted from a known idling fuel discharging quantity.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] US 5483940 A 19960116 - NAMBA TOSHIO [JP], et al
- [A] DE 19853823 A1 20000525 - BOSCH GMBH ROBERT [DE]
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