

Title (en)

Fuel injection control apparatus having fail-safe function for protection against occurrence of short-circuit to ground at connecting lead of fuel injector coil

Title (de)

Kraftstoffeinspritzvorrichtung mit Sicherheitsfunktion zum Schutz vor Kurzschluss mit Masse am Verbindungskabel der Kraftstoffeinspritzspule

Title (fr)

Dispositif de commande de l'injection de carburant avec une sécurité de protection contre les court-circuits à la terre d'un câble de liaison d'une bobine d'un injecteur

Publication

EP 1788228 B1 20110907 (EN)

Application

EP 06024219 A 20061122

Priority

- JP 2005337152 A 20051122
- JP 2006273247 A 20061004

Abstract (en)

[origin: EP1788228A2] A fuel injection control apparatus monitors the amplitude of a discharge current pulse supplied from a capacitor to a currently selected one of a group of fuel injectors, and judges that a short-circuit to ground is occurring in a connection lead of the group if the amplitude exceeds a regular threshold value. If that occurs, the judgement threshold value is changed to a lower value during a succeeding fixed number of judgement operations. If the regular threshold value is exceeded for a predetermined number of times in succession, operations for driving the injectors of that group are terminated.

IPC 8 full level

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CPC (source: EP)

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Cited by

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