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(71) Applicant: **Denso Corporation**
Kariya-city,
Aichi-pref. 448-8661 (JP)

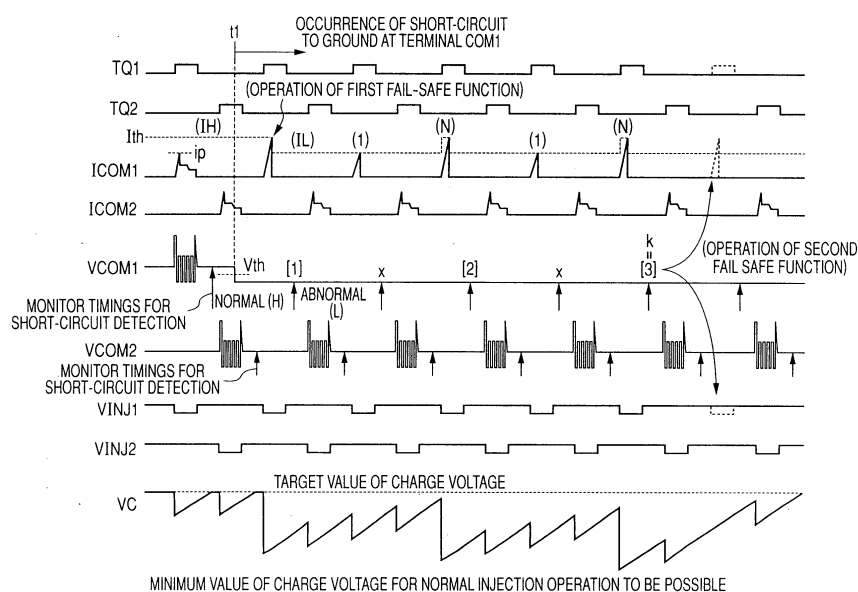
(72) Inventor: **Kamiya, Takamichi**
Kariya-city
Aichi-pref., 448-8661 (JP)

(74) Representative: **Winter, Brandl, Fürniss, Hübner**
Röss, Kaiser,
Polte Partnerschaft Patent- und
Rechtsanwaltskanzlei
Alois-Steinecker-Strasse 22
85354 Freising (DE)

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

(57) 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.

FIG. 3**EP 1 788 228 A3**



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EUROPEAN SEARCH REPORT

Application Number
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Place of search		Date of completion of the search	Examiner
The Hague		4 July 2008	Libeaut, Laurent
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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