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(72) Inventor: **Uchiyama, Ken**  
**Kariya-shi**  
**Aichi-pref., 448-8661 (JP)**

(74) Representative: **TBK-Patent  
Bavariaring 4-6  
80336 München (DE)**

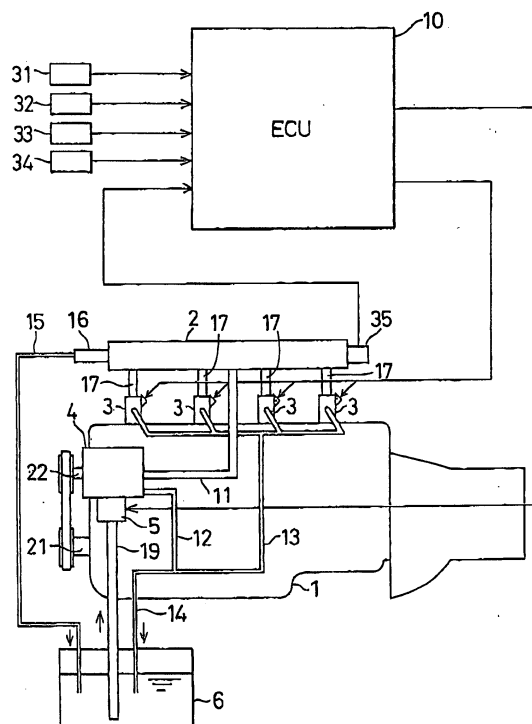
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(71) Applicant: **DENSO CORPORATION**  
**Kariya-city,**  
**Aichi-pref, 448-8661 (JP)**

(54) **Pressure accumulation type fuel injection system**

(57) An engine control unit (ECU) (10) of a common rail type fuel injection system of an internal combustion engine (1) determines that an abnormality failure of a fuel supply pump (4) is generated, if an abnormally high-pressure state in which a common rail pressure exceeds a first threshold or a second threshold continues for a long time. The ECU (10) stops an operation of the engine (1) immediately or after an elapse of a predetermined period in accordance with a level of the abnormality failure. Thus, the abnormally high-pressure state in the common rail (2) can be avoided quickly and seizing and the like of the fuel supply pump (4) can be prevented. As a result, reliability and safety of the common rail type fuel injection system can be ensured.

FIG. 1





## EUROPEAN SEARCH REPORT

Application Number  
EP 04 00 1588

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	DE 196 04 552 A1 (BOSCH GMBH ROBERT [DE]) 14 August 1997 (1997-08-14) * claims 1-2 * -----	1-13	
			TECHNICAL FIELDS SEARCHED (IPC)
			F02D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 2 March 2011	Examiner Jackson, Stephen
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 ..... &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 00 1588

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The members are as contained in the European Patent Office EDP file on  
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