

Title (en)  
Pressure accumulation type fuel injection system

Title (de)  
Druckspeicherkraftstoffeinspritzsystem

Title (fr)  
Système d'injection de carburant du type à accumulation de pression

Publication  
**EP 2799700 A1 20141105 (EN)**

Application  
**EP 14164422 A 20040126**

Priority  
• JP 2003017787 A 20030127  
• EP 04001588 A 20040126

Abstract (en)  
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.

IPC 8 full level  
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CPC (source: EP)  
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Citation (applicant)  
JP 2001295685 A 20011026 - DENSO CORP

Citation (search report)  
• [A] DE 19623150 A1 19961212 - NIPPON DENSO CO [JP]  
• [A] DE 19604552 A1 19970814 - BOSCH GMBH ROBERT [DE]

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DE FR GB

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