

Title (en)
Common rail fuel injection system

Title (de)
Common-Rail-Kraftstoffeinspritzsystem

Title (fr)
Système d'injection de carburant à rampe commune

Publication
EP 1316720 A1 20030604 (EN)

Application
EP 02026591 A 20021128

Priority
JP 2001363716 A 20011129

Abstract (en)
A common rail type fuel injection system improves detection accuracy of common rail pressure with an ECU (10) without increasing the failure rate of a common rail pressure sensor. Two common rail pressure sensors (S1,S2) are disposed in a common rail type fuel injection system. Characteristics standards of the two common rail pressure sensors (S1,S2) are divided into two or more parts. An actual common rail pressure Pc corresponding to a fuel injection pressure is calculated by averaging electric signals output by the common rail pressure sensors in the respective characteristics standards divided into the two or more parts. Thus, the detection accuracy of the actual common rail pressure Pc is improved without increasing the failure rate of the common rail pressure sensor, and variations in injection quantity of fuel injected from injectors of respective cylinders are reduced.
<IMAGE>

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Citation (search report)
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• [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 04 30 April 1999 (1999-04-30)
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