

Title (en)

Common rail fuel system for a multi-cylinder bank combustion engine with independently controlled fuel supply to each bank

Title (de)

Common-Rail-System für einen Verbrennungsmotor mit mehreren Zylinderbänken und mit unabhängig gesteuerter Kraftstoffzufuhr zu jeder Bank

Title (fr)

Système d'alimentation en carburant à rampe commune pour moteur à combustion interne à rangées multiples de cylindres avec une alimentation en carburant commandée de manière indépendante pour chaque rangée de cylindres

Publication

EP 2388460 A1 20111123 (EN)

Application

EP 10005139 A 20100517

Priority

EP 10005139 A 20100517

Abstract (en)

The present disclosure refers to fuel supply system (100) configured to be used at an internal combustion engine (110), said internal combustion engine (110) including at least two separate common fuel rails (120, 130) without any high pressure fuel connection line between the common fuel rails (120, 130). The fuel supply system (100) may comprise at least one first high pressure pump (140) configured to supply fuel at high pressure to a first common fuel rail (120). A first control module (160) may be configured to control an operation of the at least one first high pressure pump (140). At least one second high pressure pump (150) may be configured to supply fuel at high pressure to at least one second common fuel rail (130). At least one second control module (170) may be configured to control an operation of the at least one second high pressure pump (150). The first and second control modules (160, 170) may be configured to communicate with each other, and one of the first and second control modules (160, 170) may be configured to operate as a master control module (170), and all other first and second control modules (160, 170) may be configured to operate as slave control modules (170).

IPC 8 full level

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CPC (source: EP KR)

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Citation (applicant)

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BA ME RS

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