

Title (en)
Highly pressurized common rail for internal combustion engine

Title (de)
Hochdruck-Common-Rail für eine Brennkraftmaschine

Title (fr)
Common rail à haute pression pour moteur à combustion interne

Publication
EP 1416151 B1 20080123 (EN)

Application
EP 03025053 A 20031030

Priority
JP 2002317565 A 20021031

Abstract (en)
[origin: EP1416151A2] In a highly pressurized fuel piping for an internal combustion engine, a piping main body has an outer peripheral wall, a partitioning wall (111) is formed integrally with the outer peripheral wall at least two of first and second fuel flow passages (101,102), divided with the partitioning wall (111) of the piping main body, are formed within an inner space of the piping main body and extended mutually approximately in parallel to each other, a fuel introduction portion (103) is formed to communicate with at least one of the first and second flow passages (101,102), a plurality of inserting portions (104a-104d) are formed to communicate with at least one of the first and second flow passages (101,102), through each of which a corresponding one of the fuel injection device is insertable and a plurality of communication portions (105a-105d) are formed through which the first and second fuel flow passages (101,102) are mutually communicated. <IMAGE>
[origin: EP1416151A2] A partitioning wall (111) divides the inner space of the piping main body into fuel flow passages (101,102) that communicate through communication portions (105-105d). A fuel introduction portion leads to the fuel flow passage (101). Fuel injection devices are inserted into inserting sections (104a-104d) that are formed to communicate with at least one of the fuel flow passages. An independent claim is also included for a method applicable to a highly pressurized fuel piping for an internal combustion engine.

IPC 8 full level
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CPC (source: EP KR)
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Citation (examination)
• US 4601275 A 19860722 - WEINAND LOUIS H [US]
• US 5311850 A 19940517 - MARTIN TIBY M [US]

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DE FR GB

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