

Title (en)
GASOLINE DIRECT-INJECTION RAIL

Title (de)
BENZINDIREKTEINSPRITZUNGSVERTEILERROHR

Title (fr)
RAMPE D'INJECTION DIRECTE D'ESSENCE

Publication
EP 4102049 A1 20221214 (EN)

Application
EP 21770565 A 20210222

Priority
• JP 2020047812 A 20200318
• JP 2021006555 W 20210222

Abstract (en)
Obtaining a fuel rail capable of forming a fuel rail body by hot forging and having high flexibility of the layout with a simple structure while reducing the cost even when the distance from the fuel rail body to the combustion chamber is long. A fuel rail body 1 and an injector cup adapter 6 independently formed from the fuel rail body 1 are included, the fuel rail body 1 is formed by hot forging, the injector cup adapter 6 is formed by cutting, and the injector cup adapter 6 and the fuel rail body 1 are connected and fixed to each other in a state that a connection portion 16 is sealed by an O-ring 15.

IPC 8 full level
F02M 55/02 (2006.01)

CPC (source: EP)
F02M 55/02 (2013.01); **F02M 55/025** (2013.01); **F02M 61/14** (2013.01); **F02M 69/465** (2013.01); **F02M 2200/857** (2013.01)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4102049 A1 20221214; **EP 4102049 A4 20240228**; CN 115280011 A 20221101; JP 2021148047 A 20210927; WO 2021187015 A1 20210923

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EP 21770565 A 20210222; CN 202180021326 A 20210222; JP 2020047812 A 20200318; JP 2021006555 W 20210222