

Title (en)

FUEL INJECTION VALVE WITH AN IMPROVED HIGH-PRESSURE CONNECTION

Title (de)

KRAFTSTOFFEINSPRITZVENTIL MIT VERBESSERTEM HOCHDRUCKANSCHLUSS

Title (fr)

INJECTEUR DE CARBURANT DOTÉ D'UN RACCORD HAUTE PRESSION AMÉLIORÉ

Publication

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Application

EP 12700662 A 20120117

Priority

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- EP 2012050591 W 20120117

Abstract (en)

[origin: WO2012098087A1] The present invention relates to a fuel injection apparatus, comprising a rail (2) with at least one outflow opening (21), at least one injector (3) which is arranged on the rail (2), a connection piece (4) which is arranged on the injector (3), and a flange element (5) for fastening the injector (3) to the rail (2), wherein the flange element (5) has a central opening (50), through which the connection piece (4) is guided, wherein a metal-to-metal seal (9) is provided between the connection piece (4) and the rail (2), wherein the connection piece (4) is formed in one piece with an undercut (42), and wherein the flange element (5) acts on the undercut (42) of the connection piece (4), and the connection piece (4) presses against the rail (2) in a sealing way.

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

- EP 0508362 A2 19921014 - TOYOTA MOTOR CO LTD [JP]
- DE 102009020867 A1 20101118 - BAYERISCHE MOTOREN WERKE AG [DE]

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