

Title (en)

FUEL INJECTION DEVICE COMPRISING A 3/3-WAY CONTROL VALVE FOR FORMING THE INJECTION PROCESS

Title (de)

KRAFTSTOFFEINSPRITZVORRICHTUNG MIT EINEM 3/3-WEGE-STEUEVENTIL ZUR EINSPRITZVERLAUFSFORMUNG

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT COMPORTANT UNE SOUPEPE DE COMMANDE 3/3 VOIES POUR LA MODULATION DU PROCESSUS D'INJECTION

Publication

EP 1576276 A1 20050921 (DE)

Application

EP 03812121 A 20030710

Priority

- DE 0302316 W 20030710
- DE 10256748 A 20021205

Abstract (en)

[origin: WO2004051071A1] Disclosed is a fuel injection device (1) for internal combustion engines, comprising a control chamber (2) that is connected to a high-pressure end (5), and a control valve (6) which is connected to said control chamber (2) by means of a valve connection (8) located at a low-pressure end while being connected to a low-pressure end (7) by means of a first valve connection (9) located at a low-pressure end via a first discharge throttle (11). A second valve connection (10) of the control valve (6), which is located at a low-pressure end, is connected to the low-pressure end (7) via a second discharge throttle (12). The connection between the valve connection (8) located at a high-pressure end and the low-pressure end (7) is blocked in a first valve position while said valve connection (8) located at a high-pressure end is connected to both valve connections (9, 10) located at a low-pressure end in a second valve position and is connected to one of the two valve connections (9, 10) located at a low-pressure end in a third valve position.

IPC 1-7

F02M 47/02; **F02M 59/46**

IPC 8 full level

F02M 47/02 (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0036** (2013.01); **F02M 63/0045** (2013.01)

Citation (search report)

See references of WO 2004051071A1

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