

Title (en)

FUEL INJECTION DEVICE WITH A 3-WAY CONTROL VALVE FOR CONFIGURING THE INJECTION PROCESS

Title (de)

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

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT POURVU D'UNE SOUPAPE D'UNE SOUPAPE DE DISTRIBUTION A TROIS VOIES POUR MODULER LE PROCESSUS D'INJECTION

Publication

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Application

EP 03740044 A 20030530

Priority

- DE 0301763 W 20030530
- DE 10254749 A 20021123

Abstract (en)

[origin: WO2004048769A1] The invention relates to a fuel injection device (1) for internal combustion engines, comprising a control valve (6) arranged between a high and a low pressure sides (5, 7), said control valve opening or blocking the connection of a control chamber (2) to the low pressure side (7). Said device also comprises a discharge throttle (8) arranged between the control valve (6) and the low pressure side (7). The control valve (6) has a first position in which the connection of the control chamber (2) to the low pressure side (7) is blocked, a second position in which the control chamber (2) is connected to the low pressure side (7) by means of a first discharge channel (14) and a third position in which the control chamber (2) is connected to the low pressure side (7) by means of a second discharge channel (16) having a discharge throttle (15).

IPC 1-7

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

IPC 8 full level

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CPC (source: EP US)

F02M 47/027 (2013.01 - EP US); **F02M 63/0026** (2013.01 - EP US); **F02M 63/0036** (2013.01 - EP US); **F02M 63/004** (2013.01 - EP US); **F02M 63/0045** (2013.01 - EP US); **F02M 63/0056** (2013.01 - EP US)

Citation (search report)

See references of WO 2004048769A1

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