

Title (en)

FUEL INJECTION DEVICE FOR INTERNAL COMBUSTION ENGINES

Title (de)

KRAFTSTOFFEINSPRITZEINRICHTUNG FÜR BRENNKRAFTMASCHINEN

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication

**EP 0801710 B1 20020306 (DE)**

Application

**EP 96934351 A 19960809**

Priority

- DE 9601497 W 19960809
- DE 19541507 A 19951108

Abstract (en)

[origin: DE19541507A1] A fuel injection device for internal combustion engines with high-pressure pump (1), the working chamber (9) of which can be connected on the intake side to a fuel tank (15) via a supply pipe (13) and on the pressure side to a high-pressure manifold (21) via a high-pressure line (19), from which a plurality of injection pipes (23) runs to the individual injection valves (25), and with a pressure valve in the supply pipe (13) and the high-pressure pipe (19), via which the back-flow of fuel from the working chamber (9) into the supply pipe (13) and from the high-pressure pipe (19) into the working chamber (9) is prevented. Here, the pressure valves in the supply pipe (13) and the high-pressure pipe (19) are fitted in a shared compact valve unit (11).

IPC 1-7

**F02M 59/46**

IPC 8 full level

**F02M 59/00** (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP KR US)

**F02M 59/46** (2013.01 - KR); **F02M 59/462** (2013.01 - EP US); **F02M 59/464** (2013.01 - EP US); **Y10T 137/7838** (2015.04 - EP US)

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DOCDB simple family (publication)

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