

Title (en)

FUEL INJECTION DEVICE WITH PRESSURE TRANSLATION DEVICE AND PRESSURE TRANSLATION DEVICE

Title (de)

KRAFTSTOFFEINSPRITZEINRICHTUNG MIT DRUCKÜBERSETZUNGSEINRICHTUNG UND DRUCKÜBERSETZUNGSEINRICHTUNG

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT COMPORTANT UN DISPOSITIF MULTIPLICATEUR DE PRESSION ET DISPOSITIF MULTIPLICATEUR DE PRESSION

Publication

**EP 1392962 A1 20040303 (DE)**

Application

**EP 02742691 A 20020426**

Priority

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Abstract (en)

[origin: WO02092992A1] Disclosed is a fuel injection device for internal combustion engines, comprising a fuel injector which can be fed by a high-pressure fuel source. A pressure translation device provided with a moveable piston is mounted between the fuel injector and the high-pressure fuel source. The moveable piston separates a chamber which is adjacent to the high-pressure fuel source from a high-pressure chamber connected to the injector. The fuel pressure in the high-pressure chamber can be varied by filling the back chamber of the pressure translation device with fuel or by removing fuel from the back chamber. A valve (50,70) is provided with a valve body (51; 78) which is moveably arranged according to the fuel pressure prevailing in the back chamber (38), whereby the high-pressure chamber (40) can be connected (56, 53, 52; 76, 86, 88, 72) to the chamber (35) via said valve (50; 70). A suitable pressure translation device (30) is also disclosed.

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CPC (source: EP KR US)

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