

Title (en)  
FUEL INJECTION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)  
KRAFTSTOFFEINSPRITZANLAGE FÜR EINE BRENNKRAFTMASCHINE

Title (fr)  
SYSTEME D'INJECTION DE CARBURANT D'UN MOTEUR A COMBUSTION INTERNE

Publication  
**EP 0946828 B1 20040331 (DE)**

Application  
**EP 98942475 A 19980701**

Priority  
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• DE 19746491 A 19971022

Abstract (en)  
[origin: DE19746491A1] A fuel injection system for an IC engine has a common rail pressurized system for the fuel and a parallel pressurized system for the additional fluid e.g. water. The additional fluid is taken from a pressure reservoir (7) which is loaded by an electric powered pump (8) and protected by a non return valve (11) between the pump and the reservoir. A venting valve (9) maintains the pressure in the reservoir. The additional fluid is dosed into the injectors by a control valve (10) with the timing controlled by a 2/2 valve (MV1) between the common rail feed and the injectors.

IPC 1-7  
**F02M 43/00**; **F02M 43/04**

IPC 8 full level  
**F02M 25/022** (2006.01); **F02M 43/00** (2006.01); **F02M 43/04** (2006.01); **F02M 47/00** (2006.01); **F02M 47/02** (2006.01); **F02M 55/02** (2006.01)

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