

Title (en)  
FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES.

Title (de)  
KRAFTSTOFFEINSPRITZPUMPE FÜR BRENNKRAFTMASCHINEN.

Title (fr)  
POMPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE.

Publication  
**EP 0456772 B1 19940119 (DE)**

Application  
**EP 90915093 A 19901025**

Priority  
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• DE 4016462 A 19900522

Abstract (en)  
[origin: WO9108386A1] A fuel injection pump for internal combustion engines has an adjusting piston (11) for adjusting the injection timing which delimits a working space (14) in a cylinder (12). A mobile spool valve (18) which is actuated by a supply pressure is arranged in a blind bore (17) in the adjusting piston (11) and delimits a compression chamber (21). Depending on the setting of the spool valve (18), the working space (14) is connected to the compression chamber (21) or to a discharge chamber (15). The feed pressure is generated by a pump (33) and modified by a solenoid valve (46) in an outlet line (44) in function of operating parameters of the internal combustion engine in such a manner that the injection timing is adjusted in function of the operating parameters.

IPC 1-7  
**F02D 1/18**

IPC 8 full level  
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Citation (examination)  
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