

Title (en)  
FUEL INJECTION PUMP.

Title (de)  
KRAFTSTOFFEINSPRITZPUMPE.

Title (fr)  
POMPE D'INJECTION DE CARBURANT.

Publication  
**EP 0507779 B1 19940727**

Application  
**EP 90916699 A 19901124**

Priority  
• DE 3943245 A 19891229  
• DE 9000903 W 19901124

Abstract (en)  
[origin: DE3943245A1] A fuel injection pump has a pump piston (13) driven by a shaft (15) via a cam drive (14) in at least one axial stroke and thereby generates fuel injection pressure in a pump working chamber (16) and a magnetic valve (30) blocking or clearing the way between the pump working chamber (16) and a relieving channel (26), whereby the pump piston (13) starts feeding with the relieving channel (26) blocked and stops when said channel (26) is cleared. To prevent piston chatter on the cam drive (14), the magnetic valve (30) is controlled towards the end of the feed process so that a residual pressure below the injection pressure is built up in the pump working chamber (16) until the top dead centre has been reached.

IPC 1-7  
**F02M 51/04**; **F02M 59/36**; **F02D 41/38**

IPC 8 full level  
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CPC (source: EP US)  
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