

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

Publication  
**EP 0372211 B1 19920617 (DE)**

Application  
**EP 89119889 A 19891026**

Priority  
DE 3840022 A 19881126

Abstract (en)  
[origin: EP0372211A1] In a fuel injection pump for injection internal combustion engines in which the pump plunger sleeve (10) has at least one suction and spill port (9), which is closed by an upper control edge of the pump plunger at the beginning of delivery and is exposed by a lower control edge of the pump plunger at the end of delivery, the wall of the intake and spill port (9) having at its lower side away from the upper control edge a controlled prerelease groove (11) over which the lower control edge of the pump plunger slides before sliding over the main cross-section (15) of the suction and spill port (9), the base (12) of the controlled prerelease groove (11) runs obliquely upwards away from the plunger bearing surface, weakening of the pump plunger sleeve (10) thereby being at least substantially reduced. <IMAGE>

IPC 1-7  
**F02M 59/26**; **F02M 59/44**

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
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