

Title (en)  
FUEL INJECTION PUMP

Publication  
**EP 0406592 A3 19910904 (DE)**

Application  
**EP 90111160 A 19900613**

Priority  
DE 3922231 A 19890706

Abstract (en)  
[origin: US5005548A] A fuel injection pump is proposed in which over a first portion of the supply stroke of the pump piston fuel for the main injection is pumped via a distributor line and a distributor groove into one at a time of a plurality of fuel injection lines. In a second, remaining portion of the pump piston supply stroke, on the same cam flank, fuel is then pre-stored in a reservoir, controlled by a first electrically controlled valve and a second electrically controlled valve and by one of a plurality of longitudinal control grooves, which fuel subsequently, before the beginning of the next main injection determined by the closure of the first electrically controlled valve, is pumped via a second distributor line into the next succeeding injection line.

IPC 1-7  
**F02M 45/06**; **F02M 41/06**

IPC 8 full level  
**F02M 41/14** (2006.01); **F02D 1/18** (2006.01); **F02M 41/06** (2006.01); **F02M 45/06** (2006.01); **F02M 59/36** (2006.01)

CPC (source: EP US)  
**F02D 1/183** (2013.01 - EP US); **F02M 41/06** (2013.01 - EP US); **F02M 41/063** (2013.01 - EP US); **F02M 45/066** (2013.01 - EP US); **F02M 59/366** (2013.01 - EP US); **F02M 2200/24** (2013.01 - EP US)

Citation (search report)

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- [A] EP 0150471 A2 19850807 - BOSCH GMBH ROBERT [DE]
- [A] WO 8100884 A1 19810402 - CATERPILLAR TRACTOR CO [US], et al
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Designated contracting state (EPC)  
DE FR GB

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