

Title (en)  
Fuel injector

Title (de)  
Kraftstoffeinspritzventil

Title (fr)  
Injecteur de carburant

Publication  
**EP 1065368 A3 20020731 (EN)**

Application  
**EP 00305414 A 20000628**

Priority  
GB 9915118 A 19990630

Abstract (en)  
[origin: EP1065368A2] A fuel injector has a valve needle (12) slidable within a bore (11) formed in a nozzle (10). The valve needle (12) is engageable with a seating to control delivery of fuel from the bore (11). The injector also includes a supply passage (37) for supplying fuel under high pressure to the bore (11). A surface of a piston (18) adapted to engage with the needle (12) is exposed to the fuel pressure within a control chamber (39) which communicates continuously through an inlet passage (38) with the supply passage (37). The control chamber (39) further communicates, through an outlet passage (40), with an injection control valve (21-25) arranged to control communication between the control chamber (39) and a drain port. The inlet and outlet passages (38 and 40) are shaped to restrict the rate at which fuel can flow to and from the control chamber (39). <IMAGE>

IPC 1-7  
**F02M 57/02**; **F02M 45/02**; **F02M 47/02**; **F02M 59/36**

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 57/02** (2006.01); **F02M 59/36** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 57/02** (2013.01); **F02M 59/366** (2013.01); **F02M 2200/21** (2013.01)

Citation (search report)

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