

Title (en)  
Common rail injector

Title (de)  
Common-Rail-Injektor

Title (fr)  
Injecteur à rampe commune

Publication  
**EP 1772618 A1 20070411 (DE)**

Application  
**EP 06123003 A 20000802**

Priority  
• EP 00958210 A 20000802  
• DE 19936668 A 19990804

Abstract (en)  
The injector has an injector housing (1) with a fuel feed connected to a central high pressure fuel reservoir and an internal pressure chamber. A reciprocally movable nozzle needle movable axially against a spring force is raised from as eat if the pressure in the pressure chamber exceeds that in a control chamber connected via a feed choke to the fuel feed. The control chamber (30) is bounded by a sleeve (28) that can be moved into contact with the injector housing under the sealing effect of the end of the needle (8) remote from the combustion chamber and with the aid of the nozzle spring (19).

IPC 8 full level  
**F02M 47/00** (2006.01); **F02M 47/02** (2006.01); **F02M 61/16** (2006.01); **F02M 61/12** (2006.01)

CPC (source: EP KR US)  
**F02M 47/02** (2013.01 - EP US); **F02M 47/027** (2013.01 - EP KR US); **F02M 61/042** (2013.01 - EP KR US); **F02M 61/12** (2013.01 - KR); **F02M 61/168** (2013.01 - KR); **F02M 61/12** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 2200/16** (2013.01 - EP KR US); **F02M 2200/28** (2013.01 - EP KR US); **F02M 2547/001** (2013.01 - EP KR US); **F02M 2547/006** (2013.01 - EP KR US)

Citation (search report)  
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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
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