

Title (en)  
Injector for the injection system of an internal combustion engine

Title (de)  
Injektor für eine Einspritzanlage einer Brennkraftmaschine

Title (fr)  
Injecteur pour système d'injection de moteur à combustion interne

Publication  
**EP 1026393 A3 20030507 (DE)**

Application  
**EP 00101964 A 20000201**

Priority  
DE 19904720 A 19990205

Abstract (en)  
[origin: EP1026393A2] A fuel-injection unit injector includes a nozzle or jet body (700) having at least one outlet aperture (710) for injection of fuel into a combustion chamber of a combustion engine. The nozzle or jet needle (730) is axially displaceable in a central boring and either releases or interrupts the flow of fuel to the outlet aperture (710), depending on the axial position of the needle. A control unit (600) is arranged above the nozzle or jet (700), with a guide boring (620) provided for a transmission element (630,650) for transmission of the adjustment movement of an actuator (100) on to the jet needle (730). A high pressure channel (320,610) discharges into the space formed by the guide boring (620) and the jet or nozzle (700) boring.

IPC 1-7  
**F02M 61/16**; **F02M 47/02**; **F02M 59/46**; **F02M 61/12**

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 59/46** (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 61/12** (2013.01); **F02M 61/162** (2013.01); **F02M 61/163** (2013.01); **F02M 63/0026** (2013.01)

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