

Title (en)  
FUEL INJECTOR

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 1030967 A1 20000830 (DE)**

Application  
**EP 99936257 A 19990518**

Priority  
• DE 9901476 W 19990518  
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• DE 19853102 A 19981118

Abstract (en)  
[origin: US6299079B1] A fuel injector for fuel-injection systems of internal combustion engines includes two preassembled, independent assemblies. A functional part includes an electromagnetic circuit and a sealing valve, while a connection part is formed mainly by a hydraulic connection and an electrical connection. In the ready-mounted injector, electrical connecting elements and hydraulic connecting elements of both assemblies cooperate, thus ensuring a reliable electrical and hydraulic connection. An extrusion coat in the interconnection region provides mechanical joining of both assemblies, great stability of the valve and sufficient imperviousness.

IPC 1-7  
**F02M 51/06**; **F02M 61/16**; **F02M 51/00**

IPC 8 full level  
**F02M 51/00** (2006.01); **F02M 51/02** (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)  
**F02M 51/005** (2013.01 - EP US); **F02M 51/0664** (2013.01 - EP US); **F02M 51/0667** (2013.01 - EP US); **F02M 51/0682** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 61/165** (2013.01 - EP US)

Citation (search report)  
See references of WO 9966196A1

Cited by  
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DOCDB simple family (publication)  
**US 6299079 B1 20011009**; EP 1030967 A1 20000830; EP 1030967 B1 20030806; JP 2002518632 A 20020625; JP 4243430 B2 20090325; WO 9966196 A1 19991223

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