

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
• DE 19827137 A 19980618
• 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)

Cited by
US11098685B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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