

Title (en)
Fuel injection valve

Title (de)
Brennstoffeinspritzventil

Title (fr)
Soupape d'injection de combustible

Publication
EP 1197652 A3 20020612 (DE)

Application
EP 01123519 A 20010929

Priority
DE 10050054 A 20001010

Abstract (en)
[origin: EP1197652A2] The fuel injection valve comprises a valve-closing body forming a seal with a valve seat surface formed on a valve seat body, and a twisting module. The twisting module comprises several wires (42) twisted around one another and inserted in a sleeve (44) . The wires fill a recess (43) in the sleeve to produce a spiral hollow chamber (45) between the wires and an inner wall (46) of the sleeve. Preferred Features: The hollow spaces between the wires and the inner wall are formed as flow channels. The wires are twisted together in the form of a cord. At least three wires are used. The wires are made of tungsten or glass fibers.

IPC 1-7
F02M 61/18; **F02M 61/16**; **F02M 51/06**

IPC 8 full level
B05B 1/34 (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP)
F02M 51/0664 (2013.01); **F02M 51/0671** (2013.01); **F02M 61/162** (2013.01); **F02M 61/168** (2013.01); **F02M 61/1806** (2013.01)

Citation (search report)

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CN103261663A

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

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EP 1197652 A2 20020417; **EP 1197652 A3 20020612**; **EP 1197652 B1 20050831**; DE 10050054 A1 20020418; DE 10050054 B4 20050127; DE 50107266 D1 20051006; JP 2002195132 A 20020710

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