

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1115971 A1 20010718 (DE)

Application
EP 99923386 A 19990324

Priority
• DE 9900864 W 19990324
• DE 19843535 A 19980923

Abstract (en)
[origin: US6561436B1] A fuel injector, particularly an injection valve for fuel-injection systems of internal combustion engines, has a piezoelectric or magnetostrictive actuator. By way of a valve needle, the actuator actuates a valve-closure member, which interacts with a valve-seat surface to form a sealing seat. The actuator has a tubular design, and encircles a transmission piston that acts on a hydraulic transmission device.

IPC 1-7
F02M 51/06; **F02M 61/08**; **F02M 47/04**

IPC 8 full level
F02M 47/00 (2006.01); **F02M 47/04** (2006.01); **F02M 51/00** (2006.01); **F02M 51/06** (2006.01); **F02M 61/08** (2006.01); **F02M 63/00** (2006.01); **H10N 30/20** (2023.01); **H10N 35/00** (2023.01)

CPC (source: EP US)
F02M 47/046 (2013.01 - EP US); **F02M 51/005** (2013.01 - EP US); **F02M 51/0603** (2013.01 - EP US); **F02M 61/08** (2013.01 - EP US); **F02M 2200/703** (2013.01 - EP US)

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