

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1456526 B1 20050914 (DE)

Application
EP 02787392 A 20021125

Priority
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• DE 10159749 A 20011205

Abstract (en)
[origin: DE10159749A1] A fuel injection valve (1) for directly injecting fuel into the combustion chamber of an internal combustion engine comprises a piezoelectric or magnetostrictive actuator (6) and a hydraulic coupler (2). The coupler (2) has a master piston (3) and a slave piston (8), which are connected to a pressure space (14), and the pressure space (14) is filled with a hydraulic fluid. The pressure space (14) is sealed from an actuator space (21) by a first seal (12) and from a valve interior space (17) by a second seal (13).
[origin: DE10159749A1] The fuel injection valve (1) for an internal combustion engine comprises a pressure space (14) which is filled with a hydraulic fluid and, by means of sealing units (12, 13), is separated respectively from the actuator and fuel spaces (21, 17).

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IPC 8 full level
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CPC (source: EP US)
F02M 51/0603 (2013.01 - EP US); **F02M 61/167** (2013.01 - EP US); **F02M 61/08** (2013.01 - EP US); **F02M 2200/16** (2013.01 - EP US); **F02M 2200/703** (2013.01 - EP US); **F02M 2200/707** (2013.01 - EP US)

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