

Title (en)
Fuel injector valve

Title (de)
Brennstoffeinspritzventil

Title (fr)
Soupape d'injection de combustible

Publication
EP 2282045 B1 20120425 (DE)

Application
EP 10161556 A 20100430

Priority
DE 102009027261 A 20090629

Abstract (en)
[origin: EP2282045A1] The valve (1) has a jet needle (12) actuated by an actuating device (13) e.g. piezoelectric actuator, by using a coupler (14). The coupler includes a valve sleeve (26) guided at a guide flange (31) of a throttle plate (5). The sleeve includes a conical envelope-like valve seat surface (33) combined together with a ball-like valve closing body (27) of the coupler to form a sealing seat. A front surface (43) of the sleeve limits a valve control chamber (42) of the coupler. The closing body is provided at an end (29) of a valve bolt (28) that is supported at a valve cage (25) by an adjustingbody.

IPC 8 full level
F02M 63/00 (2006.01); **F02M 47/02** (2006.01)

CPC (source: EP)
F02M 47/025 (2013.01); **F02M 63/0015** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/703** (2013.01)

Designated contracting state (EPC)
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