

Title (en)  
FUEL INJECTOR

Title (de)  
Kraftstoffeinspritzventil

Title (fr)  
INJECTEUR DE COMBUSTIBLE

Publication  
**EP 2852752 B1 20161005 (EN)**

Application  
**EP 13718873 A 20130416**

Priority  
• FI 20125450 A 20120424  
• FI 2013050416 W 20130416

Abstract (en)  
[origin: WO2013160536A1] A fuel injector (1) comprising a movable control piston (10), a fuel space (15) delimited by the control piston (10) and the injector needle (8), whereby fuel pressure in the fuel space (15) is arranged to press the injector needle (8) toward a closed position. The fuel injector further comprises a first outlet flow path (14, 21, 19) for connecting the fuel space (15) to the fuel outlet (18) and a second outlet flow path (26, 22, 19) for connecting the fuel space (15) to the fuel outlet (18) and a piezoelectric actuator (17, 20) for opening and closing the flow communication through the first outlet flow path (14, 21, 19). The control piston (10) has a first position, where the fuel space (15) is in flow communication with the fuel inlet (5) and the flow communication between the fuel space (15) and the fuel outlet (18) is closed, and a second position, where the fuel space (15) is in flow communication with the fuel outlet (18) through first outlet flow path (14, 21, 19) and the second outlet flow path (26, 22, 19).

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

CPC (source: EP FI)  
**F02M 47/02** (2013.01 - FI); **F02M 47/027** (2013.01 - EP); **F02M 51/06** (2013.01 - FI); **F02M 57/02** (2013.01 - FI); **F02M 2200/21** (2013.01 - EP); **F02M 2200/703** (2013.01 - EP)

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