

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE COMBUSTIBLE

Publication  
**EP 1358404 B1 20050615 (DE)**

Application  
**EP 02704618 A 20020128**

Priority  
• DE 0200296 W 20020128  
• DE 10103932 A 20010130

Abstract (en)  
[origin: WO02061270A1] The invention relates to a fuel injection valve (1), especially for directly injecting fuel into the combustion chamber of a mixture-compressing, spark-ignited internal combustion engine. Said injection valve comprises a nozzle body (2) that defines a housing body with an outer pole (9) and a coil housing (11), a magnet coil (10) that can be electrically excited via a line (19) and a plug contact (17), and a main fuel supply (16). The line (19) and the fuel supply (16) are commonly disposed in an adapter (18) that can be placed on an end (34) of the housing body on the supply side and can be interlinked therewith.

IPC 1-7  
**F02M 69/04**; **F02M 51/06**; **F02M 61/16**; **F02M 69/46**

IPC 8 full level  
**F02M 51/00** (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01); **F02M 69/04** (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP US)  
**F02M 51/005** (2013.01 - EP US); **F02M 51/0671** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 69/045** (2013.01 - EP US); **F02M 69/46** (2013.01 - EP US); **F02M 2200/9015** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**WO 02061270 A1 20020808**; DE 10103932 A1 20020829; DE 10103932 B4 20100121; DE 50203408 D1 20050721; EP 1358404 A1 20031105; EP 1358404 B1 20050615; JP 2004518067 A 20040617; US 2003168530 A1 20030911; US 6896210 B2 20050524

DOCDB simple family (application)  
**DE 0200296 W 20020128**; DE 10103932 A 20010130; DE 50203408 T 20020128; EP 02704618 A 20020128; JP 2002561186 A 20020128; US 24046203 A 20030513