

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE COMBUSTIBLE

Publication  
**EP 1358402 B1 20060426 (DE)**

Application  
**EP 02704617 A 20020128**

Priority  
• DE 0200295 W 20020128  
• DE 10103933 A 20010130

Abstract (en)  
[origin: DE10103933A1] The invention relates to a fuel injection valve for fuel injection systems of internal combustion engines, comprising a nozzle body (2) at whose downstream end at least one injection opening (7) is disposed and on which a sealing element is disposed that seals the valve from an adjoining component (32). At least one peripheral sealing collar (31) is provided on the nozzle body (2) as the sealing element and interacts with the adjoining component (32) to give a press fit.

IPC 8 full level  
**F02M 51/06** (2006.01); **F02M 51/08** (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)  
**F02M 51/0671** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 2200/16** (2013.01 - EP US); **F02M 2200/8061** (2013.01 - EP US)

Cited by  
CN104011367A; US9822749B2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 10103933 A1 20020814**; DE 50206561 D1 20060601; EP 1358402 A1 20031105; EP 1358402 B1 20060426; JP 2004518066 A 20040617; US 2003164411 A1 20030904; US 6988681 B2 20060124; WO 02061269 A1 20020808

DOCDB simple family (application)  
**DE 10103933 A 20010130**; DE 0200295 W 20020128; DE 50206561 T 20020128; EP 02704617 A 20020128; JP 2002561185 A 20020128; US 24051003 A 20030429