

Title (en)  
Valve for fuel injection

Title (de)  
Ventil zum Einspritzen von Brennstoff

Title (fr)  
Soupape pour l'injection de carburant

Publication  
**EP 1655481 A1 20060510 (DE)**

Application  
**EP 05109551 A 20051013**

Priority  
DE 102004053352 A 20041104

Abstract (en)  
The valve has a pin arranged in a recess of a valve body (4) and comprising a closure body (14) seated on a valve seat in a closed position. The body (14) is designed such that a gap (19) is formed between the bodies. The angle and length of the gap are formed such that the breadth of the gap is as large as a surface finish of the valve body or the closure body in the position, where the breadth amounts to maximum of 10 micrometer.

IPC 8 full level  
**F02M 61/08** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)  
**F02M 61/08** (2013.01 - EP US); **F02M 61/18** (2013.01 - EP US); **F02M 61/1806** (2013.01 - EP US)

Citation (search report)  
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• [Y] WO 9111609 A1 19910808 - ORBITAL ENG PTY [AU]  
• [Y] WO 9304277 A1 19930304 - YAROSLAVSKY Z TOPLIVNOI APPARA [SU]  
• [Y] US 2004035954 A1 20040226 - CARLISE HUGH WILLIAM [AU], et al

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CN102486149A; EP2246557A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1655481 A1 20060510**; DE 102004053352 A1 20060518; US 2006108452 A1 20060525

DOCDB simple family (application)  
**EP 05109551 A 20051013**; DE 102004053352 A 20041104; US 26591005 A 20051103