

Title (en)

Fuel injector for an internal combustion engine

Title (de)

Kraftstoffeinspritzventil für Brennkraftmaschinen

Title (fr)

Injecteur de combustible pour moteurs à combustion interne

Publication

**EP 1422418 B1 20080220 (DE)**

Application

**EP 03011992 A 20030528**

Priority

DE 10253721 A 20021119

Abstract (en)

[origin: EP1422418A1] The valve body (1) has a bore (3) and valve seat (12) with injection opening (16) at the end opening into the burner chamber. The valve needle (5) in the bore (3) has a cylindrical section (105) with diameter (DZ) amounting to 1.0 to 1.5 times the diameter of the seat edge (18). The cylindrical section directly adjoins the valve sealing face (14).

IPC 8 full level

**F02M 61/10** (2006.01); **F02M 61/18** (2006.01); **F02M 61/04** (2006.01); **F02M 61/12** (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP)

**F02M 61/042** (2013.01); **F02M 61/12** (2013.01); **F02M 61/1873** (2013.01); **F02M 61/20** (2013.01)

Citation (examination)

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Designated contracting state (EPC)

DE FR GB IT

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