

Title (en)

Fuel injection valve

Title (de)

Brennstoffeinspritzventil

Title (fr)

Soupape d'injection de carburant

Publication

**EP 0681104 B1 19981202 (DE)**

Application

**EP 95105248 A 19950407**

Priority

DE 4415992 A 19940506

Abstract (en)

[origin: EP0681104A1] A fuel injection valve (1) includes a valve nozzle body (5), valve closure piston (10) and a valve seating (15) downstream of which is an injection orifice (33) and a two part separate head (50). The head (50) comprises a tubular body (51) of non-reinforced polyamide with a slot for installation of a flat insert (52), made of PPS, at right angles to the valve axis (2). The insert (52) is downstream of the injection orifice (33) and has a gas feed zone leading to a central opening. <IMAGE>

IPC 1-7

**F02M 69/04**; **F02M 69/08**; **F02M 51/06**

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 51/08** (2006.01); **F02M 61/18** (2006.01); **F02M 69/04** (2006.01); **F02M 69/08** (2006.01)

CPC (source: EP US)

**F02M 51/0678** (2013.01 - EP US); **F02M 69/047** (2013.01 - EP US); **F02M 69/08** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0681104 A1 19951108**; **EP 0681104 B1 19981202**; DE 4415992 A1 19951109; DE 59504385 D1 19990114; ES 2125509 T3 19990301; JP H07301167 A 19951114; US 5680992 A 19971028

DOCDB simple family (application)

**EP 95105248 A 19950407**; DE 4415992 A 19940506; DE 59504385 T 19950407; ES 95105248 T 19950407; JP 10758695 A 19950501; US 43654395 A 19950508