

Title (en)
Fuel injection valve

Title (de)
Brennstoffeinspritzventil

Title (fr)
Soupape d'injection de carburant

Publication
EP 0682179 B1 19980708 (DE)

Application
EP 95105421 A 19950411

Priority
DE 4416610 A 19940511

Abstract (en)
[origin: EP0682179A1] The valve has a valve longitudinal axis, a movable valve closure body, a nozzle body, which has a valve seat working in conjunction with the valve closure body, and at least one injection aperture downstream of the valve seat. In a trough of the basic body is formed an insertable insert part. This insert part is arranged with an inner opening as injection space downstream of the at least one injection aperture. In a face side (83) of the insert part (52) facing the trough (80) of the basic body (51) at least one gas feed channel (84) is arranged, which is limited by the basic body and runs from the outer periphery of the insert part as far as the injection space (77). <IMAGE>

IPC 1-7
F02M 69/04; **F02M 69/08**; **F02M 51/06**; **F02M 61/14**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 51/08** (2006.01); **F02M 61/14** (2006.01); **F02M 61/18** (2006.01); **F02M 69/00** (2006.01); **F02M 69/04** (2006.01); **F02M 69/08** (2006.01)

CPC (source: EP US)
F02M 51/0678 (2013.01 - EP US); **F02M 61/145** (2013.01 - EP US); **F02M 69/047** (2013.01 - EP US); **F02M 69/08** (2013.01 - EP US)

Cited by
US6371387B1; WO9840624A1

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0682179 A1 19951115; **EP 0682179 B1 19980708**; DE 4416610 A1 19951116; DE 59502729 D1 19980813; ES 2120096 T3 19981016; JP H0842429 A 19960213; US 5655715 A 19970812

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EP 95105421 A 19950411; DE 4416610 A 19940511; DE 59502729 T 19950411; ES 95105421 T 19950411; JP 11344095 A 19950511; US 43922995 A 19950511