

Title (en)
Fuel injection valve

Title (de)
Brennstoffeinspritzventil

Title (fr)
Soupape d'injection de combustible

Publication
EP 0718490 A3 19971001 (DE)

Application
EP 95114024 A 19950907

Priority
DE 4446241 A 19941223

Abstract (en)
[origin: EP0718490A2] The fuel injection valve has a longitudinal axis, a valve closure body, a valve seat body (16) with a valve seat surface which works in conjunction with the closure body and a thin hole plate (26) with at least one ejection opening downstream of the valve seat surface. A holed disc carrier (21) is partially in contact with a lower end (17) of the valve seat body and is rigidly connected to the valve seat body. The holed disc carrier has an inner, bowl-shaped carrier extending at an axial distance from the lower end of the valve seat body. The greatest axial separation is formed between a base section of the carrier section (25) and the end and the holed disc is inserted between the end and the carrier section.

IPC 1-7
F02M 61/18; **F02M 61/16**; **F02M 51/06**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)
F02M 51/0671 (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 61/1853** (2013.01 - EP US)

Citation (search report)
• [XA] GB 201556 A 19240306 - ATLAS DIESEL AB
• [DA] DE 4123692 A1 19930121 - BOSCH GMBH ROBERT [DE]

Cited by
DE19636396B4; CN107842453A; DE19636396A1; US7334746B2; US10975822B2; WO2006096174A1; WO2015086536A1

Designated contracting state (EPC)
DE FR GB IT

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