

Title (en)

Fuel injection valve for internal combustion engines

Title (de)

Kraftstoffeinspritzventil für Brennkraftmaschinen

Title (fr)

Soupape d'injection de combustible pour moteurs à combustion interne

Publication

EP 0716226 A3 19970917 (DE)

Application

EP 95115125 A 19950926

Priority

DE 4443861 A 19941209

Abstract (en)

[origin: EP0716226A2] An inwardly facing ring flange (30) engages the combustion chamber-side faces surface (27) of the valve body, and in it is a central through passage aperture (33) in the area of the axial covering of a plain area of the combustion chamber-side face surface of the valve body surrounding a fuel outlet position. The valve body (1) at its combustion chamber-side end has at least one conical transition to the even face side incorporating the fuel outlet position, with which a conically formed part (31) of the ring flange locates, closing a space between the valve body and the tension nut.

IPC 1-7

F02M 61/14

IPC 8 full level

F02M 53/04 (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 53/04 (2013.01); **F02M 61/14** (2013.01); **F02M 61/168** (2013.01)

Citation (search report)

- [A] DE 3335298 A1 19850418 - BOSCH GMBH ROBERT [DE]
- [A] DE 3502113 A1 19860724 - BOSCH GMBH ROBERT [DE]
- [A] DE 3836413 A1 19900503 - BOSCH GMBH ROBERT [DE]
- [DA] DE 9204083 U1 19930722

Cited by

DE102004060983B4; CN102937063A; US6807945B2; WO03033906A1; WO2016164943A3; WO2006063880A1; WO02066822A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0716226 A2 19960612; **EP 0716226 A3 19970917**; **EP 0716226 B1 20020724**; CZ 286965 B6 20000816; CZ 314995 A3 19960612; DE 4443861 A1 19960613; DE 59510294 D1 20020829; JP H08218979 A 19960827

DOCDB simple family (application)

EP 95115125 A 19950926; CZ 314995 A 19951128; DE 4443861 A 19941209; DE 59510294 T 19950926; JP 31682495 A 19951205