

Title (en)

Fuel injection valve

Title (de)

Kraftstoffeinspritzventil

Title (fr)

Soupape d'injection de combustible

Publication

EP 0890734 B2 20100707 (DE)

Application

EP 98109405 A 19980523

Priority

DE 19729843 A 19970711

Abstract (en)

[origin: EP0890734A2] The hole (9) has a radially widened pressure chamber (29), in which at least one feed channel (37) running next to it issues. A tension nut (5) with an inner conically formed ring shoulder (45) locates against a ring formation of the valve body (1) at the level of the pressure chamber, tensioning the ring formation against the valve holding body (7). The ring formation on its side facing the ring shoulder (44) is so curved that at a predetermined distance from the valve member axis a ring-shaped all-round locating point is produced, on which the conical ring shoulder locates in the installed state.

IPC 8 full level

F02M 61/10 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 61/10 (2013.01); **F02M 61/16** (2013.01); **F02M 61/168** (2013.01)

Cited by

US6994280B2; US10107246B2; WO02077443A1; WO2014053375A1; WO0179689A3; US6799748B2; US6938880B2; DE102009029116A1; WO2011026689A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0890734 A2 19990113; **EP 0890734 A3 20011010**; **EP 0890734 B1 20041103**; **EP 0890734 B2 20100707**; DE 19729843 A1 19990114; DE 59812198 D1 20041209; JP 4181247 B2 20081112; JP H1172063 A 19990316

DOCDB simple family (application)

EP 98109405 A 19980523; DE 19729843 A 19970711; DE 59812198 T 19980523; JP 19284398 A 19980708