

Title (en)
METHOD FOR PRODUCING A VALVE SEAT BODY FOR A FUEL INJECTION VALVE, AND CORRESPONDING FUEL INJECTION VALVE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES VENTILSITZKÖRPERS FÜR EIN BRENNSTOFFEINSPRITZVENTIL UND
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
PROCEDE DE FABRICATION D'UN SIEGE DE SOUPAPE POUR VALVE D'INJECTION DE CARBURANT, ET VALVE D'INJECTION DE
CARBURANT AINSI OBTENUE

Publication
EP 1001863 A1 20000524 (DE)

Application
EP 98959704 A 19981002

Priority
• DE 9802928 W 19981002
• DE 19757117 A 19971220

Abstract (en)
[origin: DE19757117A1] A cylindrical valve seat body (25) is manufactured and a passage (32) is formed in it with an intake/ opening section (47,48), a guide section (31), and a valve seat section (26). The valve seat section is a truncated cone-shaped part of the passage. The guide section has alternating web-like guide parts (51) and channel-like flow passages (27). All guide parts are simultaneously finished via a tool consisting of a master ball (130). A raised valve seat (26') is formed on the valve seat section.

IPC 1-7
B24B 15/02; **F02M 61/16**; **B24B 33/02**; **B24B 37/02**; **F02M 51/06**

IPC 8 full level
B24B 15/02 (2006.01); **B24B 33/02** (2006.01); **B24B 37/02** (2012.01); **F02M 51/06** (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP KR US)
B24B 15/02 (2013.01 - EP KR US); **B24B 33/02** (2013.01 - EP US); **B24B 37/02** (2013.01 - EP US); **F02M 51/0671** (2013.01 - EP US); **F02M 51/0682** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **Y10S 239/90** (2013.01 - EP US); **Y10T 29/49306** (2015.01 - EP US); **Y10T 29/49409** (2015.01 - EP US); **Y10T 29/49426** (2015.01 - EP US)

Citation (search report)
See references of WO 9932259A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 19757117 A1 19990624; BR 9807436 A 20000418; DE 59804149 D1 20020620; EP 1001863 A1 20000524; EP 1001863 B1 20020515; ES 2177104 T3 20021201; JP 2001513165 A 20010828; KR 20000071199 A 20001125; US 6189816 B1 20010220; WO 9932259 A1 19990701

DOCDB simple family (application)
DE 19757117 A 19971220; BR 9807436 A 19981002; DE 59804149 T 19981002; DE 9802928 W 19981002; EP 98959704 A 19981002; ES 98959704 T 19981002; JP 53312799 A 19981002; KR 19997007489 A 19990818; US 36780299 A 19990819