

Title (en)
NOZZLE-NEEDLE STROKE ADJUSTMENT FOR INJECTORS OF FUEL INJECTION ASSEMBLIES

Title (de)
DÜSENNADEL-HUBEINSTELLUNG AN INJEKTOREN VON EINSPRITZANLAGEN

Title (fr)
REGLAGE DE LA COURSE DU POINTEAU D'INJECTEURS DE SYSTEMES D'INJECTION

Publication
EP 1278957 A1 20030129 (DE)

Application
EP 01933623 A 20010423

Priority
• DE 0101539 W 20010423
• DE 10020166 A 20000425

Abstract (en)
[origin: WO0181756A1] The invention relates to an injector (1) for injecting fuel under high pressure into the combustion chamber of an internal combustion engine. Said injector comprises a valve plunger (4) which executes an axial stroke motion that actuates the nozzle needle (19). A pressure body (17) which is spherical and is encompassed by a shim (7) is provided between the valve plunger (4) and the nozzle needle (19).

IPC 1-7
F02M 61/16; **F02M 61/12**; **F02M 47/02**

IPC 8 full level
F02M 61/10 (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)
F02M 61/161 (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US)

Citation (search report)
See references of WO 0181756A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0181756 A1 20011101; DE 10020166 A1 20011031; EP 1278957 A1 20030129; JP 2003532004 A 20031028; US 2002134865 A1 20020926

DOCDB simple family (application)
DE 0101539 W 20010423; DE 10020166 A 20000425; EP 01933623 A 20010423; JP 2001578813 A 20010423; US 1902102 A 20020426