

Title (en)
PRESSURE REGULATOR DEVICE

Publication
EP 0236752 B1 19891213 (DE)

Application
EP 87101609 A 19870206

Priority
DE 3607812 A 19860308

Abstract (en)
[origin: US4741315A] A pressure regulating apparatus which serves to regulate fuel pressure in a fuel injection system for internal combustion engines. The pressure regulating apparatus includes a pressure regulating valve, which has a valve diaphragm fastened in a valve housing and defining a fuel chamber, which communicates via an inlet conduit with a fuel distributor line. Protruding into the fuel chamber is a valve seat carrier body having a valve seat body, on which a valve seat is embodied, from which an outlet conduit leads to an outlet fitting. The pressure regulating valve is inserted into a holder bushing communicating with the fuel distributor line and is sealed off therefrom by a sealing ring disposed on the regulating valve. The axial fixation of the pressure regulating valve in the holder bushing is effected via a screw connection with a retaining body.

IPC 1-7
F02M 69/00

IPC 8 full level
F02M 69/00 (2006.01); **F02M 55/02** (2006.01); **F02M 69/54** (2006.01)

CPC (source: EP US)
F02M 69/54 (2013.01 - EP US); **F02M 2200/803** (2013.01 - EP US)

Cited by
FR2606831A1; GB2226111A; GB2204940A; FR2615298A1; GB2204940B; US6649380B1; WO9003513A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0236752 A1 19870916; EP 0236752 B1 19891213; DE 3607812 A1 19870910; DE 3761160 D1 19900118; JP 2556505 B2 19961120; JP S62214267 A 19870921; US 4741315 A 19880503

DOCDB simple family (application)
EP 87101609 A 19870206; DE 3607812 A 19860308; DE 3761160 T 19870206; JP 5045287 A 19870306; US 93181186 A 19861118