

Title (en)
FUEL INJECTION DEVICE

Publication
EP 0277939 B1 19921104 (DE)

Application
EP 88890027 A 19880204

Priority
AT 22887 A 19870204

Abstract (en)
[origin: EP0277939A2] In a fuel injection nozzle, in particular a pump nozzle, with a nozzle needle (3) spring loaded in the closing direction, in which the pressure chamber in front of the seat of the nozzle needle (3) is openly connected to the reservoir chamber of a deflection piston (6), which can slide in a guide hole and is spring loaded in the direction of the reservoir chamber, the deflection piston (6) on its piston face remote from the storage reservoir (12) is acted on by pressure in a damping chamber (14) fillable with fuel which is connected via a restricted flow cross section (20) to an outlet (21) and/or another chamber. <IMAGE>

IPC 1-7
F02M 45/08; **F02M 57/02**; **F02M 61/20**

IPC 8 full level
F02M 47/02 (2006.01); **F02M 45/08** (2006.01); **F02M 57/02** (2006.01); **F02M 61/16** (2006.01); **F02M 61/20** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
F02M 45/08 (2013.01 - EP US); **F02M 57/02** (2013.01 - EP US); **F02M 61/205** (2013.01 - EP US); **F02M 2200/505** (2013.01 - EP US)

Cited by
DE10203264A1; DE4340874A1; US5125581A; US6823848B2; DE3900763A1; DE10242376A1; DE10160080A1; DE10310120B4; WO03081007A1; WO03067074A1; WO03054379A1; WO9008257A1; WO02086307A1; WO9418450A1

Designated contracting state (EPC)
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EP 88890027 A 19880204; AT 88890027 T 19880204; DE 3875627 T 19880204; JP 2217188 A 19880203; US 41547089 A 19891002