

Title (en)
FUEL INJECTION DEVICE

Publication
EP 0141111 B1 19890712 (DE)

Application
EP 84110009 A 19840822

Priority
DE 3331336 A 19830831

Abstract (en)
[origin: US4650116A] A fuel-injection device in which a nozzle element is directly pressed towards the front face of a guide body for the pump plunger. The guide body is provided with an enlarged slot into which a spring element can be entered from the side, which spring element loads the valve needle of the nozzle element. Thus this injection device can be made more compact than known types and is therefore especially suitable to be used in automotive vehicles.

IPC 1-7
F02M 57/02; F02M 61/16; F02M 61/20

IPC 8 full level
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CPC (source: EP US)
F02M 57/02 (2013.01 - EP US); **F02M 61/20** (2013.01 - EP US)

Designated contracting state (EPC)
AT FR GB IT SE

DOCDB simple family (publication)
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US 64637984 A 19840829; AT 84110009 T 19840822; DE 3331336 A 19830831; EP 84110009 A 19840822; JP 17952784 A 19840830