

Title (en)
FUEL INJECTION PUMP FOR INTERNAL-COMBUSTION ENGINES

Publication
EP 0234240 B1 19910515 (DE)

Application
EP 87100604 A 19870119

Priority
DE 3605056 A 19860218

Abstract (en)
[origin: US4728269A] A fuel injection pump for internal combustion engines has a pump piston which via a pressure plate rests with a piston bottom on an axially driven tappet with slight play. This contact is brought about by a pressure spring, which is supported on a spring plate so as to grip the piston bottom from behind. To prevent the pressure plate from falling out if the pump piston should become stuck, the spring plate is cup-shaped and includes a cylindrical cup portion having two projecting protrusions. The pressure plate has a radial flange adapted to rest on the projecting protrusions. Those protrusions and the radial flange are adapted to one another such that the pressure plate can be introduced in a predetermined position through the protrusions. The piston bottom located between the pressure plate and the plate bottom of the spring plate prevents the pressure plate from being able to assume a position, after assembly, in which it could slip and escape back outwardly through those protrusions.

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F02M 59/44; **F02M 59/48**

IPC 8 full level
F02M 59/44 (2006.01); **F02M 59/48** (2006.01)

CPC (source: EP US)
F02M 59/44 (2013.01 - EP US); **F02M 59/48** (2013.01 - EP US)

Cited by
EP0460837A1; CN103670856A; FR2617239A1; ITMI20120270A1; WO2017121690A1; WO2013124097A1

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