

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

Publication
EP 0159414 B1 19870520 (DE)

Application
EP 84116231 A 19841222

Priority
DE 3411407 A 19840328

Abstract (en)
[origin: US4571161A] The pump/nozzle unit for a fuel injection system is disclosed which has a pump piston that is driven via a drive tappet and is rotatable by means of a regulating sleeve. The regulating sleeve, provided with a radially protruding control lever arm, is axially secured in its installed position by means of a guide bushing. The guide bushing includes a guide part for the drive tappet and a radially protruding flange, which is secured to the pump housing by at least one holder passing through an oblong slot on the flange of the guide bushing. A recess in the form of a circular segmented ring is cut out of the guide bushing for the passage therethrough of the control lever arm. By rotating the guide bushing within a range limited by the oblong slot a lateral limiting edge of the recess is adjustable into a position in which the pump piston, with the control lever arm resting on the limiting edge assumes a rotational position associated with a fixed supply quantity. As a result, no further additional or full-load stop device is necessary and mounting of the drive unit and pump assembly on the engine are facilitated.

IPC 1-7
F02M 57/02; **F02M 59/28**

IPC 8 full level
F02M 39/00 (2006.01); **F02M 57/02** (2006.01); **F02M 59/28** (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP US)
F02M 57/02 (2013.01 - EP US); **F02M 57/023** (2013.01 - EP US); **F02M 59/28** (2013.01 - EP US); **F02M 61/14** (2013.01 - EP US)

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