

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

Publication
EP 0132798 A3 19851030 (DE)

Application
EP 84108578 A 19840720

Priority
• DE 3327398 A 19830729
• DE 3411406 A 19840328

Abstract (en)
[origin: US4648556A] A pump/nozzle unit having a piston injection pump and an injection nozzle which includes a pump piston that is driven via a drive tappet and is rotatable via a regulating sleeve. The regulating sleeve is inserted into a recess on the end face of the pump housing and is axially secured in its installed state by means of a guide bushing. The guide bushing comprises a guide part for the drive tappet and a flange radially protruding beyond the outer diameter of the tappet spring, the flange being secured on the pump housing by a holder mechanism. The forces exerted upon the pump/nozzle unit during operation are absorbed by a securing arrangement. The drive assembly unit, including the drive tappet, tappet spring, guide bushing and pump piston, which is held together by a loss-preventing device, can be mounted outside the pump/nozzle unit and removed as a unit for purposes of mounting and inspecting the regulating sleeve, and even in the demounted or disassembled state of the pump/nozzle unit this drive assembly unit remains joined to the pump/nozzle unit by the holder mechanism.

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F02M 57/02; **F02M 59/28**; **F02M 59/48**

IPC 8 full level
F02M 57/02 (2006.01); **F02M 59/28** (2006.01); **F02M 59/48** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [AD] US 2144862 A 19390124 - TRUXELL JR CLYDE W
• [A] GB 617434 A 19490207 - GEN MOTORS CORP
• [A] US 2628866 A 19530217 - PURCHAS JR WILLIAM J, et al

Cited by
EP0159414A1; EP0204982A3; EP0205882A3

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