

Title (en)  
PUMP INJECTOR FOR FUEL INJECTION OF INTERNAL COMBUSTION ENGINES

Publication  
**EP 0153331 B1 19861029 (DE)**

Application  
**EP 84902788 A 19840717**

Priority  
DE 3327399 A 19830729

Abstract (en)  
[origin: WO8500638A1] Pump injector (10) comprising an injection nozzle (14) mounted at least approximately at right angle with respect to the longitudinal axis (A) on the pump housing (11) of the piston injection pump (12). The injection pump (12) bears with a bearing face (24b) forming the axial end projection thereof on a support bearing (25) provided at the cylinder head (18) of the internal combustion engine. The bearing surface (24b) is formed of a front face directed to the outside, of an opposite piston (24) introduced in the prolongation of the longitudinal axis (A) of the pump piston in the pump cylinder (21) and sealingly closing the pump working chamber (15) by means of an inner front surface (24a). The pump forces on the pressurized fuel in the pump working chamber (15) are thereby taken away from the pump housing (11) and received at the cylinder head at a location remote from a supply inlet (17) for the fuel injection nozzle (14).

IPC 1-7  
**F02M 57/02**

IPC 8 full level  
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CPC (source: EP US)  
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**WO 8500638 A1 19850214**; DE 3327399 A1 19850221; DE 3461113 D1 19861204; EP 0153331 A1 19850904; EP 0153331 B1 19861029; JP H0444104 B2 19920720; JP S60501909 A 19851107; US 4615323 A 19861007

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