

Title (en)  
FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES

Publication  
**EP 0011611 B1 19820512 (DE)**

Application  
**EP 79890048 A 19791109**

Priority  
AT 806678 A 19781110

Abstract (en)  
[origin: EP0011611A1] 1. Fuel injection system for internal combustion engines providing a separate fuel injector (3) (pump-nozzle-unit) for each engine cylinder, said injector being equipped with an injection nozzle (5) and a pump plunger guided in a pump plunger sleeve and driven by pump cam shaft (8) with the axis of said pump cam shaft (8) crossing the axis of the pump-nozzle-unit (3) at least approximately and with the cam (9) of the pump cam shaft (8) acting directly onto a tappet (10, 22) abutting cam shaft (8) being arranged within a tubular housing which is positioned on the engine cylinder head (1) and secured to it in a detachable connection, characterized in that the pump cam shaft (8) is journaled in the tubular housing (6, 23) positioned on the engine cylinder head (1).

IPC 1-7  
**F02M 39/02**; **F02M 57/02**; **F02M 59/10**

IPC 8 full level  
**F02M 39/02** (2006.01); **F02M 57/02** (2006.01); **F02M 59/10** (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP)  
**F02M 39/02** (2013.01); **F02M 57/023** (2013.01); **F02M 59/102** (2013.01); **F02M 61/14** (2013.01)

Cited by  
US5975060A; EP0866215A1; CN114198229A; US6427669B1; WO0040853A1

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DE FR GB

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**EP 0011611 A1 19800528**; **EP 0011611 B1 19820512**; AT 364199 B 19810925; AT A806678 A 19810215; DE 2962840 D1 19820701

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