

Title (en)

INJECTOR PUMP UNIT WITH A SLEEVE-VALVE CONTROLLED FLOATING PISTON FOR INTERNAL-COMBUSTION ENGINES

Publication

EP 0095026 B1 19850626 (DE)

Application

EP 83102732 A 19830319

Priority

- US 36168082 A 19820325
- US 36168182 A 19820325

Abstract (en)

[origin: EP0095026A1] 1. An injection nozzle (10, 110) for the combustion chamber of an internal combustion engine having a nozzle body (12, 112) which accommodates a cylindrical sleeve (16, 114) having an internal bore (18, 122), wherein a hollow annular chamber (23, 120) is provided between the nozzle body (12, 122) and the cylindrical sleeve (16, 114), provided in the internal bore (18, 22) of the cylindrical sleeve (16, 114) is a displaceable push rod (24, 130) and disposed at a spacing therefrom is a piston (26, 132), formed between the push rod (24, 130) and the piston (26, 132) is a control chamber (36, 136), and formed between the piston (26, 132) and the end of the injection nozzle (10, 110) which is remote from the push rod (24, 130) is a metering chamber (38, 138), the control chamber (36, 136) is connected to a fuel duct (48, 144) which can be shut off, and the metering chamber (38, 138) can be filled with fuel, characterized in that disposed in the annular chamber (23, 120), is a remotely-controllable sleeve valve (56, 150) which is displaceable on the cylindrical sleeve (16, 114) and by way of which the fuel duct (48, 114) can be shut off.

IPC 1-7

F02M 59/32

IPC 8 full level

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CPC (source: EP)

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