

Title (en)

FUEL INJECTION NOZZLE FOR INTERNAL-COMBUSTION ENGINES

Publication

**EP 0118816 B1 19860129 (DE)**

Application

**EP 84101906 A 19840223**

Priority

DE 3307671 A 19830304

Abstract (en)

[origin: US4572434A] A fuel injection nozzle for internal combustion engines having a valve needle opening outward and connected with a piston which defines a damping chamber filled with fuel. Upon the opening stroke of the valve needle, the damping chamber communicates with the flow path of the fuel only via a throttling conduit. The damping chamber is formed in a cap, which is mounted upon the piston and centers itself on the piston. The cap is supported on the nozzle housing toward the side of the injection opening via a pre-stressed support spring, and the cap and the support spring are confined between stops attached to the housing. Therefore, the damping can be limited in a manner dependent on pressure or speed.

IPC 1-7

**F02M 61/08**

IPC 8 full level

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CPC (source: EP US)

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