

Title (en)
Fuel injection system

Title (de)
Kraftstoffeinspritzsystem

Title (fr)
Système d'injection de carburant

Publication
EP 0688950 B1 19980812 (DE)

Application
EP 95107822 A 19950523

Priority
DE 4421714 A 19940621

Abstract (en)
[origin: EP0688950A1] The injection valve has a valve needle (31) to control an injection aperture (36). The needle is loaded in opening direction by fuel from the pump working chamber, and by a spring (45) in closing direction. The spring is located in a fuel-filled chamber (43), which is not under high pressure. One end of the valve needle defines a damper chamber (39), the axial wall of which forms a stop (40) to limit the valve needle movement. The damper chamber is connected via a throttle aperture to the fuel chamber. The throttle is formed by a connection (42) and an opening in a spring-loaded pressure journal (48). <IMAGE>

IPC 1-7
F02M 45/08; F02M 61/20

IPC 8 full level
F02M 41/12 (2006.01); **F02M 45/08** (2006.01); **F02M 61/10** (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP KR US)
F02M 45/08 (2013.01 - EP US); **F02M 47/00** (2013.01 - KR); **F02M 61/20** (2013.01 - EP US); **F02M 61/205** (2013.01 - EP US);
F02M 2200/28 (2013.01 - EP US)

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Cited by
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