

Title (en)
Flow straightener for fuel injector

Title (de)
Flüssigkeitsgleichrichtvorrichtung für ein Brennstoffeinspritzventil

Title (fr)
Dispositif de redressement d'écoulement pour un injecteur de carburant

Publication
EP 0750110 A1 19961227 (EN)

Application
EP 96109658 A 19960617

Priority
US 49315195 A 19950621

Abstract (en)
A fuel injection valve for fuel injection systems of internal combustion engines straightens fuel flow, thereby providing an improved flow pattern. The injection valve comprises an armature movable in a first direction and a second direction for causing a needle valve (38) to contact and separate from a seat assembly (30). The injection valve further comprises a fuel metering device (34) for affecting fuel flow. Finally, the injection valve comprises an insert element (42) for straightening fuel flow. The insert element (42) is located in a passageway between the seat assembly and the fuel metering device for decoupling the turbulence in the seat assembly area from the metering and targeting of the metering device. <IMAGE>

IPC 1-7
F02M 61/16; **F02M 61/18**

IPC 8 full level
F02M 51/08 (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP)
F02M 51/08 (2019.01); **F02M 61/16** (2013.01); **F02M 61/1853** (2013.01)

Citation (search report)

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