

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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