

Title (en)  
ELECTROMAGNETICALLY OPERATED INJECTOR

Publication  
**EP 0366833 B1 19920415 (EN)**

Application  
**EP 88118457 A 19881104**

Priority  
EP 88118457 A 19881104

Abstract (en)  
[origin: EP0366833A1] An injector has a valve seat created by two planar surfaces (18, 19). Downstream the valve seat a first chamber (20) is located with a reduced depth and the position of one or more orifices (21) on the periphery of such chamber are such that the fuel flow must deviate with a sharp turn in order to be addressed to the one or more orifices (21) which have a direction basically parallel to the injector's axis. The sudden change of the direction of the fuel flow together with the fact that the orifices (21) are not centered against the feeding annular section, create a turbulent motion in the fluid which causes an atomization and a consequent conical pattern of the fuel coming out of the one or more orifices (21).

IPC 1-7  
**F02M 51/08**; **F02M 61/18**

IPC 8 full level  
**F02M 51/06** (2006.01); **F02M 51/08** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP)  
**F02M 51/0667** (2013.01); **F02M 51/08** (2019.01); **F02M 61/1806** (2013.01); **F02M 61/1853** (2013.01)

Cited by  
CN105658950A; EP0987479A3; CN111373341A; WO9400686A1; WO2011143842A1; WO2019101395A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0366833 A1 19900509**; **EP 0366833 B1 19920415**; DE 3870240 D1 19920521

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