

Title (en)  
Fuel injector

Title (de)  
Einspritzventil

Title (fr)  
Injecteur de carburant

Publication  
**EP 0718492 B1 19991229 (EN)**

Application  
**EP 95203088 A 19951113**

Priority  
US 36141894 A 19941222

Abstract (en)  
[origin: EP0718492A1] An electromagnetic fuel injector (10) for the discharge of discrete spray streams (16,18) of fuel to separate intake valves of an internal combustion engine is disclosed. The injector has a valve member (50) moveable between open and closed positions with respect to a valve seat (52) and includes a fuel director plate (20) having fuel injector orifices (19) extending through said director plate which are aligned so that discrete streams (16,18) of fuel depart from the injector plate when said valve is open. The fuel injector also includes an air director plate (90) for discharging pressurized, atomization air. The director plate has a central opening (120) for the passage of the discrete fuel streams and a first group of associated atomizing air orifices (116), at predetermined locations, and oriented to direct atomizing air towards the fuel streams to impinge thereon and produce a finely atomized fuel spray. A second group of associated atomizing air orifices (118) directs atomizing air between the fuel streams to maintain separation thereof. <IMAGE> <IMAGE>

IPC 1-7  
**F02M 69/04**; **F02M 51/06**

IPC 8 full level  
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CPC (source: EP)  
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