

Title (en)
ELECTROMAGNETIC FUEL INJECTOR

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Application
EP 81400990 A 19810619

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- US 16223080 A 19800623
- US 16223180 A 19800623
- US 16223280 A 19800623
- US 16234880 A 19800623
- US 16234980 A 19800623

Abstract (en)
[origin: EP0042799A2] An electromagnetic fuel injector having an energizable stator means (10) for controlling the movement of a valve member of a valve assembly (10) to open and close the injector and thereby meter fuel, said valve assembly comprising a valve housing (30, 32) including a valve housing bore (92) terminating with a valve seat (56) which is connected to an exit orifice, a valve assembly (60) including a valve (60) reciprocally located in said valve housing bore, operable to close said exit orifice by sealing said valve seat (56) with a ball valve (60), a swirl chamber (43) for imparting to the fuel flow exhausted from the exit orifice a swirl component that is tangential with respect to the spray axis of the injector, and means (40) for supplying fuel from a pressurized source to said swirl chamber, characterized in that said fuel supply means includes means (70) forming a hollow cylinder (42) of fuel between said source and said swirl chamber, and at least one orifice (52) communicating fuel between said fuel cylinder forming means (70) and said swirl chamber (43).

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Citation (search report)

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