

Title (en)
Fuel injector

Title (de)
Brennstoffeinspritzventil

Title (fr)
Injecteur de carburant

Publication
EP 1088986 A1 20010404 (EN)

Application
EP 00120863 A 20000925

Priority
IT BO990521 A 19990928

Abstract (en)
Fuel injector (1) comprising a tubular body (2), provided with a through pipe (3) which ends in a spray nozzle (4) which can spray the fuel present inside the through pipe (3), a shutter unit (5), which is mobile axially inside the through pipe (3), from and towards a position of closure, wherein the shutter unit (5) itself abuts the spray nozzle (4), and seals it in a fluid-tight manner, and a coil of electrically conductive material fitted onto the tubular body (2), in order to generate by command a magnetic field which can displace the said shutter unit (5); a central portion (9) of the tubular body (2) and the shutter unit (5) in fact being made of ferro-magnetic material, such as to define the fixed part and the mobile part of a magnetic core (5, 9), onto which the said coil (7) is fitted; a layer of highly resistant material being present on the outer surface of the shutter unit (5), i.e. the mobile part of the magnetic core (5, 9), but not on the central portion (9) of the tubular body (2), i.e. the fixed part of the magnetic core (5, 9) itself. <IMAGE>

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F02M 51/06; **F02M 61/16**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)
F02M 51/0667 (2013.01); **F02M 61/166** (2013.01)

Citation (search report)
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