

Title (en)

Electromagnetically controlled fuel injector for feeding fuel to internal combustion engines.

Title (de)

Elektromagnetisches Kraftstoffeinspritzventil für Brennkraftmaschinen.

Title (fr)

Injecteur électromagnétique de combustible pour moteurs à combustion interne.

Publication

EP 0301620 A2 19890201 (EN)

Application

EP 88201411 A 19880706

Priority

IT 2145087 A 19870727

Abstract (en)

The electroinjector is equipped with a central magnetic core (10) from which a guide tube (19) protrudes, which acts as a guide for an anchor (12) of ferromagnetic material, which bears the injector shutter (17). In a form of practical embodiment, the anchor (12), in its opening movement, comes to stop against a shoulder element (24) made from an amagnetic material fastened on the core (10) in such a protruding position, as to define an air gap (T) and prevent the core (10) and the anchor (12) from magnetically sticking to each other. The shoulder element (24) is provided with a fastening cylindrical portion (30), and an adjacent portion (31) with a prevailing radial development, which acts as the stop portion. The element, which can also be fastened onto the anchor (10), can be obtained from a rolled sheet or by drawing a thin tube.

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F02M 51/06

IPC 8 full level

F02M 51/06 (2006.01); **H01F 7/08** (2006.01)

CPC (source: EP)

F02M 51/0667 (2013.01); **H01F 7/088** (2013.01)

Cited by

EP1279826A1; EP0398157A3; EP1088986A1; WO9516125A1; WO9303272A1; WO9716641A1; WO9407021A1

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