

Title (en)
ELECTROMAGNETIC VALVE, IN PARTICULIER FUEL INJECTION VALVE

Publication
EP 0076459 B1 19860219 (DE)

Application
EP 82108989 A 19820929

Priority
DE 3139669 A 19811006

Abstract (en)
[origin: US4475690A] A magnetic valve is proposed, in particular a fuel injection valve for internal combustion engines, which has a valve housing, a conductor coil mounted on a core of ferromagnetic material, and an armature which carries a valve body cooperating with a valve seat. The core has an inner cylinder and an outer cylinder, which are magnetically conductively connected with one another at one end face via a yoke. At the other end face, a circular-annular plate is magnetically conductively connected with the outer cylinder. The magnetic circuit is closed between the circular-annular plate and the inner cylinder via an armature, which has a plate-like element and a hollow cylindrical strut. The strut is located opposite the inner cylinder and with it forms a first air gap. The rim of the plate-like element of the armature is located opposite the circular-annular plate and with it forms a second air gap.

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IPC 8 full level
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CPC (source: EP US)
F02M 51/0653 (2013.01 - EP US); **F02M 51/0675** (2013.01 - EP US); **F02M 51/08** (2019.01 - EP US)

Cited by
EP0178427A3; FR2820800A1; GB2245764A; EP0200373A3; US4753212A; FR2574129A1; FR2594493A1; WO0017551A1

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