

Title (en)
ELECTRONICALLY CONTROLLED MAGNETIC VALVE

Publication
EP 0006843 B1 19830413 (DE)

Application
EP 78100313 A 19780706

Priority
EP 78100313 A 19780706

Abstract (en)
[origin: US4291358A] The magnetic valve with electronic control for increasing the attractive output has an energizing coil (AE), which is supplied in the attracting phase with an increased energizing current via a closed switch (T2). In the maintenance phase, the energizing coil (AE) is supplied with a maintenance current, via a compensating resistor (RV) and with the switch (T2) opened, which is lower than the energizing current. For the purpose of controlling the switch (T2), a timing circuit is provided which includes a resistor (R2) and a capacitor (C2). The magnetic valve is selectively drivable with alternating current or direct current. A portion of the energizing coil (AE) is made up of the compensating resistor (RV), which is embodied as a resistor wire and wound up on the energizing coil (AE).

IPC 1-7
H01H 47/04

IPC 8 full level
H01F 7/18 (2006.01); **H01H 47/22** (2006.01)

CPC (source: EP US)
H01F 7/1838 (2013.01 - EP US); **H01H 47/223** (2013.01 - EP US)

Cited by
DE102012206419A1; EP4068602A1; GB2168867A; EP0163349A3; DE10212092A1; DE102012005595A1; WO9115865A1; EP2555216A1; WO2022207178A1; EP0111016B1; WO2013156599A1; US9864384B2; DE102012206419B4; WO2013139475A1; DE102012005595B4

Designated contracting state (EPC)
CH DE FR GB SE

DOCDB simple family (publication)
EP 0006843 A1 19800123; EP 0006843 B1 19830413; EP 0006843 B2 19870923; DE 2862229 D1 19830519; IT 1162555 B 19870401; IT 7924137 A0 19790705; US 4291358 A 19810922

DOCDB simple family (application)
EP 78100313 A 19780706; DE 2862229 T 19780706; IT 2413779 A 19790705; US 5593079 A 19790706