

Title (en)

Actuator for electromagnetic valve drive

Title (de)

Aktor zur elektromagnetischen Ventilsteuerung

Title (fr)

Actionneur pour commande électromagnétique de soupape

Publication

EP 0977213 A1 20000202 (DE)

Application

EP 99113752 A 19990714

Priority

- DE 19834109 A 19980729
- DE 19924417 A 19990527

Abstract (en)

The actuator includes two square, opposed magnetic yoke sections (OM, SM) for valve opening and closing respectively. These have coil-accommodating recesses (SF) formed into them. The inserted coils, and the recesses, are hollow-cylindrical, to reduce ohmic losses.

Abstract (de)

Die Erfindung betrifft einen Aktor zur elektromagnetischen Ventilsteuerung, bei dem das Spulenfenster im Joch des Öffnermagneten und im Joch des Schließermagneten sowie die in den Spulenfenstern angeordneten Erregerspulen zur Reduzierung von ohm'schen Verlusten die Form eines Hohlzylinders aufweisen. <IMAGE>

IPC 1-7

H01F 7/16; **F01L 9/04**

IPC 8 full level

F01L 9/04 (2006.01); **F01L 9/20** (2021.01); **H01F 7/16** (2006.01)

CPC (source: EP)

F01L 9/20 (2021.01); **H01F 7/1638** (2013.01)

Citation (search report)

- [X] DE 19751609 A1 19980604 - FEV MOTORENTECH GMBH & CO KG [DE]
- [A] EP 0793004 A1 19970903 - DAIMLER BENZ AG [DE]
- [A] DE 29712502 U1 19970918 - FEV MOTORENTECH GMBH & CO KG [DE]
- [A] FR 2196605 A5 19740315 - INT STANDARD ELECTRIC CORP [US]

Cited by

EP1146205A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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