

Title (en)

Circuit for controlling a bistable magnetic actuator

Title (de)

Schaltungsanordnung zur Steuerung eines bistabilen magnetischen Aktuators

Title (fr)

Circuit de commande d'un actionneur magnétique bistable

Publication

**EP 0887814 A3 20000322 (DE)**

Application

**EP 98110117 A 19980603**

Priority

DE 19726562 A 19970623

Abstract (en)

[origin: EP0887814A2] The control circuit has a pair of electrical windings (L1,L2) which are each connected in series with a respective semiconductor switch (S1,S2) connected in parallel with closure of one or other switch for switching the magnetic actuator between its stable positions. A further parallel arm with a free-running diode (D) and a cancellation resistance (R) is connected in parallel with the electrical windings, all 3 parallel arms connected in series with a discharge switch (So) for an energy store (E).

IPC 1-7

**H01F 7/18**; **H01H 47/22**

IPC 8 full level

**H01F 7/18** (2006.01); **H01H 47/22** (2006.01)

CPC (source: EP)

**H01F 7/1872** (2013.01); **H01H 47/226** (2013.01)

Citation (search report)

- [A] EP 0122370 A1 19841024 - IBM [US]
- [A] DE 2451477 A1 19760506 - TRIUMPH WERKE NUERNBERG AG
- [A] GB 2305560 A 19970409 - GEC ALSTHOM LTD [GB]

Cited by

WO2012144965A1; WO2014095144A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**DE 19726562 A1 19981224**; DE 59811215 D1 20040527; EP 0887814 A2 19981230; EP 0887814 A3 20000322; EP 0887814 B1 20040421

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