

Title (en)
Electromagnetic relay.

Title (de)
Elektromagnetisches Relais.

Title (fr)
Relais électromagnétique.

Publication
EP 0022953 A1 19810128 (DE)

Application
EP 80103714 A 19800630

Priority
JP 9183679 A 19790718

Abstract (en)
[origin: US4339735A] In an electromagnetic relay, an armature block serving to actuate contact springs includes a pair of armatures and a permanent magnet disposed therebetween to magnetize the armatures to opposite polarities. Pole ends of a yoke carrying the excitation flux created by the relay coil extend between free ends of the armatures. The armature block is suspended by means of a resilient arm integrally formed with the block at one side thereof and having its outer end fixed to a bearing portion, so that a rocking motion of the armature block is achieved by a flexing motion of the resilient arm.

Abstract (de)
In einem elektromagnetischen Relais weist ein zur Betätigung von Kontaktfedern (18) dienender Ankerblock (G) zwischen zwei Ankerstegen (9) einen Dauermagneten auf, der die Ankerstege (9) entgegengesetzt aufmagnetisiert. Zwischen die freien Enden der Ankerstege (9) ragen die Polenden (8a) eines den Erregerfluß der Relaisspule führenden Jochs. Der Ankerblock (G) ist über einen seitlich angeformten, in einem Lagerblock (16) fixierten elastischen Arm (15) derart aufgehängt, daß eine Drehung des Ankerblocks (G) auf einer Biegung des Arms (15) beruht.

IPC 1-7
H01H 50/28; **H01H 51/22**

IPC 8 full level
H01H 50/18 (2006.01); **H01H 50/28** (2006.01); **H01H 50/56** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)
H01H 50/56 (2013.01 - EP US); **H01H 51/2227** (2013.01 - EP US); **H01H 3/001** (2013.01 - EP US)

Citation (search report)

- [A] DE 943713 C 19560601 - SPOORWEG SEIN IND N V
- [A] DE 1217500 B 19660526 - FUJITSU LTD
- [AD] DE 2454967 B2 19761230
- [E] EP 0013991 A1 19800806 - SDS ELEKTRO GMBH [DE], et al
- [AP] DE 2830390 A1 19800124 - GRUNER GMBH & CO RELAISFABRIK

Cited by
EP0186160A3; DE3223867A1; EP0034811A1; EP0203515A3; EP0091687A1; EP0204199A3; EP0361638A3; EP0091688A1; EP0168058A3; EP0250644A3; EP0072976A1

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0022953 A1 19810128; **EP 0022953 B1 19840418**; **EP 0022953 B2 19870624**; AT E7182 T1 19840515; CA 1139806 A 19830118; DE 3067528 D1 19840524; JP S5615522 A 19810214; US 4339735 A 19820713

DOCDB simple family (application)
EP 80103714 A 19800630; AT 80103714 T 19800630; CA 356411 A 19800717; DE 3067528 T 19800630; JP 9183679 A 19790718; US 16704980 A 19800709