

Title (en)

Electromagnetic device with protection against overheating.

Title (de)

Elektromagnetanordnung mit Überhitzungsschutz.

Title (fr)

Dispositif électromagnétique avec protection contre l'échauffement excessif.

Publication

EP 0173048 A1 19860305 (DE)

Application

EP 85108798 A 19850713

Priority

DE 3430927 A 19840822

Abstract (en)

[origin: ES8704033A1] An electromagnetic assembly including an electromagnetic coil wound on a core of ferromagnetically conductive material. A temperature protection circuit includes a fuse which breaks when the electromagnetic assembly becomes overheated. The fuse is thermally coupled to pole pieces of the assembly and is in electrical circuit with the coil.

Abstract (de)

Das Schaltelement (9) für den Überhitzungsschutz ist im Spulenträgerkörper (1) im Bereich zwischen der Spule (2) und dem Magnetflußkörper (3, 4) angeordnet.

IPC 1-7

H01F 7/06; H01F 5/00; H01F 27/40

IPC 8 full level

H01F 7/08 (2006.01); **H01F 5/00** (2006.01); **H01F 7/06** (2006.01); **H01F 7/16** (2006.01); **H01F 27/40** (2006.01)

CPC (source: EP KR US)

H01F 5/00 (2013.01 - EP US); **H01F 7/06** (2013.01 - EP US); **H01F 7/08** (2013.01 - KR); **H01F 27/402** (2013.01 - EP US);
H01F 2027/406 (2013.01 - EP US)

Citation (search report)

- [X] DE 3120041 A1 19821209 - GNEITING ROLF DIPL ING
- [A] US 4112405 A 19780905 - JOSEPH MARK
- [A] US 4454554 A 19840612 - COLEMAN HOWARD R [US]
- [A] DE 1488992 A1 19690403 - MAYLANDT HELMUT
- [A] US 3691425 A 19720912 - WEYRICH ARTHUR G, et al
- [A] DE 2536375 A1 19770217 - WEINER NORBERT

Cited by

CH683575A5

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0173048 A1 19860305; **EP 0173048 B1 19901114**; AT E58448 T1 19901115; AU 4650885 A 19860227; AU 587394 B2 19890817; CA 1251823 A 19890328; DE 3430927 A1 19860306; DE 3430927 C2 19910814; DE 3580544 D1 19901220; ES 546308 A0 19870301; ES 8704033 A1 19870301; JP H0315325 B2 19910228; JP S61198605 A 19860903; KR 860002120 A 19860326; KR 900002589 B1 19900420; US 4771198 A 19880913; ZA 855709 B 19860326

DOCDB simple family (application)

EP 85108798 A 19850713; AT 85108798 T 19850713; AU 4650885 A 19850821; CA 489128 A 19850821; DE 3430927 A 19840822; DE 3580544 T 19850713; ES 546308 A 19850821; JP 18378085 A 19850821; KR 850005671 A 19850806; US 11742487 A 19871102; ZA 855709 A 19850730