

Title (en)

Permanent magnet for the magnetic circuit of a magnetic trip device preferably for a fault current circuit breaker

Title (de)

Permanentmagnet für den magnetischen Kreis eines vorzugsweise in einem Fehlerstromschutzschalter einsetzbaren Magnetauslösers

Title (fr)

Aimant permanent pour le circuit magnétique d'un déclencheur magnétique de préférence pour un disjoncteur différentiel

Publication

EP 0829895 A3 20001102 (DE)

Application

EP 97810590 A 19970821

Priority

DE 19637077 A 19960912

Abstract (en)

[origin: EP0829895A2] The earth leakage circuit breaker has a permanent magnet 11 that has a pair of pole surfaces 11a, 11b that forms a magnetic circuit with a yoke 9. The yoke is formed of a pair of magnetically isolated plates 7, 8. The permanent magnet has a prism shape that enables it to be optimally positioned relative to the yoke for efficient flux transfer.

IPC 1-7

H01H 71/32

IPC 8 full level

H01H 71/32 (2006.01)

CPC (source: EP)

H01H 71/321 (2013.01); **H01H 71/323** (2013.01)

Citation (search report)

- [A] FR 1541052 A 19681004 - IND ELECTR DE LA SEINE L
- [A] FR 2596577 A1 19871002 - SERD SOC ET REALISA DISJONCT [FR]
- [AD] EP 0228345 A1 19870708 - MAIER & CIE C [CH]
- [A] EP 0051231 A1 19820512 - BBC BROWN BOVERI & CIE [DE]
- [A] AT 375211 B 19840710 - BIEGELMEIER GOTTFRIED

Cited by

EP1777722A3; WO2012169975A1; EP1632970A2; EP1650780A1

Designated contracting state (EPC)

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

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EP 0829895 A2 19980318; **EP 0829895 A3 20001102**; **EP 0829895 B1 20050608**; AT E297598 T1 20050615; DE 19637077 A1 19980319; DE 59712338 D1 20050714; ES 2243973 T3 20051201

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