

Title (en)

Trip device for a ground fault circuit breaker and circuit for controlling the same

Title (de)

Auslöseeinrichtung für einen Fehlerstromschutzschalter und Schaltungsanordnung zur Ansteuerung derselben

Title (fr)

Dispositif de déclenchement pour un disjoncteur à courant de défaut et circuit de commande approprié

Publication

**EP 0977234 A3 20001115 (DE)**

Application

**EP 99113505 A 19990702**

Priority

DE 19833829 A 19980728

Abstract (en)

[origin: EP0977234A2] Circuit breaker has trip with magnetic drive arrangement. Area between yoke legs (12,14) has magnetic actuator (25) which has second permanent magnet (26) and coil (27). If faulty current occurs, extra coil impacts armature of trip. Bistable actuator is used as magnetic drive, providing sufficient energy to overcome adhesion force armature and pole surface.

IPC 1-7

**H01H 83/14**; **H01H 71/32**

IPC 8 full level

**H01H 83/14** (2006.01)

CPC (source: EP)

**H01H 83/144** (2013.01)

Citation (search report)

- [A] WO 9202944 A1 19920220 - BTICINO SPA [IT]
- [A] EP 0851450 A2 19980701 - MAIER & CIE C [CH]
- [A] DE 3823101 A1 19900111 - SIEMENS AG [DE]
- [A] EP 0154619 A2 19850911 - FELTEN & GUILLEAUME AG OESTER [AT]

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)

**EP 0977234 A2 20000202**; **EP 0977234 A3 20001115**; DE 19833829 A1 20000203

DOCDB simple family (application)

**EP 99113505 A 19990702**; DE 19833829 A 19980728