

Title (en)

Direct-current electromagnet for switching apparatus

Title (de)

Gleichstromelektromagnet für Schaltgerät

Title (fr)

Electro-aimant à courant continu pour appareil interrupteur

Publication

EP 1103989 B1 20080312 (FR)

Application

EP 00403306 A 20001123

Priority

FR 9915174 A 19991129

Abstract (en)

[origin: EP1103989A2] The relay coil (4) operates a spring loaded armature (5) which actuates circuit breaker contacts (P) through a linkage (9a,L). In the coil de-energized state the magnetic circuit includes permanent magnets but these are by-passed when the coil is energized. The fixed and moving parts of the magnetic circuit are built up from laminations which have greater width at fixing points

IPC 8 full level

H01F 3/02 (2006.01); **H01F 7/08** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)

H01F 7/081 (2013.01); **H01F 7/1623** (2013.01)

Cited by

EP2204825A3; WO03030188A1

Designated contracting state (EPC)

DE ES GB SE

DOCDB simple family (publication)

EP 1103989 A2 20010530; EP 1103989 A3 20020508; EP 1103989 B1 20080312; DE 60038274 D1 20080424; DE 60038274 T2 20090319; ES 2300250 T3 20080616; FR 2801721 A1 20010601; FR 2801721 B1 20020118

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