

Title (en)

Electromagnetic trip relay in particular for earth fault protection devices

Title (de)

Elektromagnetisches Auslöserelais, insbesondere für Fehlerstromschutzeinrichtungen

Title (fr)

Déclencheur électromagnétique en particulier pour des dispositifs de protection contre les courants de défaut

Publication

**EP 0933796 A3 20001018 (DE)**

Application

**EP 99100382 A 19990118**

Priority

DE 29801584 U 19980130

Abstract (en)

[origin: EP0933796A2] Fault current protection system includes electromagnetic trip relay in which an armature plate (3) bears against pole surfaces (4) of the armature under magnetic force against spring tension. A protective coating (20) is applied to one or both of the abutting faces and consists of an organic substance with the structure of a plasma polymer. The protective coating, which may be 20 nm to 1000 nm thick, comprises hexamethyldisilane.

IPC 1-7

**H01H 71/32**

IPC 8 full level

**H01F 7/08** (2006.01); **H01H 71/32** (2006.01)

CPC (source: EP)

**H01F 7/081** (2013.01); **H01H 71/327** (2013.01)

Citation (search report)

- [A] FR 2412159 A1 19790713 - SCHUTZAPPARATE PARIS & CO [DE]
- [A] US 4863805 A 19890905 - SUZUKI TERUO [JP], et al
- [A] US 4981713 A 19910101 - YASUDA HIROTSUGU [US], et al

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)

**DE 29801584 U1 19980416**; EP 0933796 A2 19990804; EP 0933796 A3 20001018

DOCDB simple family (application)

**DE 29801584 U 19980130**; EP 99100382 A 19990118