

Title (en)  
Electromagnetic trip device

Title (de)  
Elektromagnetischer Auslöser

Title (fr)  
Déclencheur électromagnétique

Publication  
**EP 1063666 A3 20020502 (DE)**

Application  
**EP 00112184 A 20000607**

Priority  
DE 19929160 A 19990624

Abstract (en)  
[origin: EP1063666A2] The permanent magnet assembly (15) (PM) and pole piece conducting magnetic flux to the plunger (20) are located with respect to yoke (12) and plunger. Thus the plunger can adopt a first position within the influence of the PM and pole piece, and a second position at least partially within the influence of the pole piece. In the first position, fluxes from the coil (13) and the PM, the latter flux at least partially, run through the plunger (20). In the second position, flux from the PM runs through yoke, plunger and PM itself.

IPC 1-7  
**H01H 71/32**

IPC 8 full level  
**H01F 7/16** (2006.01); **H01H 71/32** (2006.01); **H01H 73/36** (2006.01); **H01H 83/02** (2006.01)

CPC (source: EP US)  
**H01H 71/322** (2013.01 - EP US); **H01H 71/327** (2013.01 - EP US)

Citation (search report)

- [X] EP 0187055 A1 19860709 - MERLIN GERIN [FR]
- [X] EP 0684615 A1 19951129 - GEN ELECTRIC [US]

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DE10210826A1; US8118824B2; US8672963B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 00112184 A 20000607**; AT 00112184 T 20000607; BG 10455100 A 20000621; CN 00118888 A 20000623; DE 10026813 A 20000530; DE 50013213 T 20000607; HU P0002399 A 20000623; JP 2000190174 A 20000623; NO 20003300 A 20000623; PL 34094500 A 20000621; SG 200003541 A 20000623; TW 89112001 A 20000619; US 60375100 A 20000626