

Title (en)

Switching device and electrically controlled actuator, especially for rapid disconnection of a short circuit current

Title (de)

Schalteinrichtung und elektrisch ansteuerbarer Aktor, insbesondere zur Schnellabschaltung eines Kurzschlussstromes

Title (fr)

Dispositif de commutation et actionneur à commande électrique, notamment pour la déconnexion rapide d'un courant de court-circuit

Publication

EP 1764817 A1 20070321 (DE)

Application

EP 06120437 A 20060911

Priority

DE 102005044906 A 20050915

Abstract (en)

Switching device has switch contact (51) producing single or multipolar electrical connection between input and output sides of current connection and an electrically controllable gas generator for opening of respective electrical connection. Switching device has measuring means for direct or indirect collection of electric currents through pole (1) and outputting means for actuator for opening of electrical connection. An electrically controllable actuator (6,7) exhibits tappet (61,71) which is activated through gas generator. The tappet on contact lever (101) impinges upon switch contact and on components (8,41) of switching operation e.g. the selector shaft (85) or mechanical connecting elements (81-84,86,87). During electronic actuation of a gas generator, opening of respective electrical connection is affected with an electronic trip unit. An independent claim is also included for an electrically controllable actuator.

IPC 8 full level

H01H 39/00 (2006.01)

CPC (source: EP)

H01H 39/00 (2013.01); **H01H 33/022** (2013.01)

Citation (search report)

- [DX] DE 4236623 A1 19940505 - NIEGL MANFRED DIPL ING [DE]
- [X] DE 19542690 A1 19970522 - AEG NIEDERSPANNUNGSTECH GMBH [DE]
- [X] EP 0548390 A1 19930630 - SIEMENS AG [DE]
- [A] EP 0725412 A2 19960807 - BAYERISCHE MOTOREN WERKE AG [DE]

Cited by

EP2299466A1; US8654501B2; WO2011032719A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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