

Title (en)

METHOD AND DEVICE FOR SECURE OPERATION OF A SWITCH UNIT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SICHEREN BETRIEB EINES SCHALTGERÄTES

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE FAIRE FONCTIONNER UNE UNITÉ DE COMMUTATION DE MANIÈRE SÛRE

Publication

EP 2036107 A1 20090318 (DE)

Application

EP 06761747 A 20060630

Priority

DE 2006001145 W 20060630

Abstract (en)

[origin: WO2008000200A1] The invention relates to a method and corresponding device for secure operation of a switch unit (1), comprising at least one main contact (4) which may be switched on or off and at least one switch actuator (2) with a moving armature (5). The main contact (4) comprises fixed contact pieces and a moving contact bridge (41). The armature (5) acts on the contact bridge (41) for switching on and off by means of a contact slider (3), such that the corresponding main contact (4) is closed or opened. The contact slider (3) comprises at least parts of a force and/or displacement controlled trigger mechanism. The method comprises the following steps: a) recognition of exceeding a force value and/or a given displacement run (dX) on switching off and b) interrupting further operation of the switch unit (1) by triggering the trigger mechanism when the above are exceeded.

IPC 8 full level

H01H 51/06 (2006.01); **H01H 3/00** (2006.01)

CPC (source: EP)

H01H 3/001 (2013.01); **H01H 50/546** (2013.01); **H01H 2001/506** (2013.01)

Citation (search report)

See references of WO 2008000200A1

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 RS

DOCDB simple family (publication)

WO 2008000200 A1 20080103; DE 112006004016 A5 20090604; EP 2036107 A1 20090318

DOCDB simple family (application)

DE 2006001145 W 20060630; DE 112006004016 T 20060630; EP 06761747 A 20060630