

Title (en)

QUICK-RELEASE SWITCH WITH FORCED OPENING WITH IMPROVED MOUNTING TOLERANCE

Title (de)

SCHNAPPSCHALTER MIT GEZWUNGENER KONTAKTÖFFNUNG MIT VERBESSERTER MONTIERUNGSTOLERANZ

Title (fr)

INTERRUPTEUR A RUPTURE BRUSQUE ET A OUVERTURE FORCEE AVEC TOLERANCE DE MISE EN PLACE AMELIOREE

Publication

EP 1127362 B1 20020807 (FR)

Application

EP 99950836 A 19991026

Priority

- FR 9902603 W 19991026
- FR 9813810 A 19981103

Abstract (en)

[origin: US6486428B1] To improve the possibilities of using a fast-action switch with positive opening, of the end-of-travel type, the switch is equipped with a set of compression springs which cause its moving equipment to rock and with a set of compensating springs which allow its operating plunger to move through an additional travel after switching, without damaging interference with a positive opening paddle. The additional travel is increased by placing the compensating springs between a front conducting element and the moving equipment which rocks at the time of switching.

IPC 1-7

H01H 3/00; **H01H 13/28**

IPC 8 full level

H01H 31/24 (2006.01); **H01H 3/00** (2006.01); **H01H 5/08** (2006.01); **H01H 13/28** (2006.01); **H01H 31/02** (2006.01); **H01H 31/32** (2006.01)

CPC (source: EP US)

H01H 3/001 (2013.01 - EP US); **H01H 13/285** (2013.01 - EP US)

Designated contracting state (EPC)

AT DE FR GB IT

DOCDB simple family (publication)

US 6486428 B1 20021126; AT E222022 T1 20020815; DE 69902484 D1 20020912; DE 69902484 T2 20030522; EP 1127362 A1 20010829; EP 1127362 B1 20020807; FR 2785441 A1 20000505; FR 2785441 B1 20010126; JP 2002529889 A 20020910; WO 0026929 A1 20000511

DOCDB simple family (application)

US 83088301 A 20010502; AT 99950836 T 19991026; DE 69902484 T 19991026; EP 99950836 A 19991026; FR 9813810 A 19981103; FR 9902603 W 19991026; JP 2000580224 A 19991026