

Title (en)
Snap-action switch.

Title (de)
Schnappschalter.

Title (fr)
Commutateur à action brusque.

Publication
EP 0252383 A1 19880113 (DE)

Application
EP 87109216 A 19870626

Priority
DE 3623200 A 19860710

Abstract (en)
[origin: US4853506A] First and second contact bars are spaced apart in fixed positions. A pressure responsive ram has first and second positions of penetration into a casing which contains the bars and other elements. A bolt is disposed between the ram and a first element which is pivotable about the second bar between a first position and a second position. A second element is coupled to the first element. When the ram is in its first position, the bolt places the first element in the first position causing the second element to establish a current carrying path between the bars. When the ram is in its second position, the bolt places the first element in the second position, causing the second element to break the current path. A device disposed between the bolt and the ram exerts a biasing pressure on one end of the ram which maintains the ram in its first position. When a larger pressure is exerted on the other end of the ram, the ram is moved into the second position.

Abstract (de)
In dem Schnappschalter ist eine Kontaktbrücke (5) durch eine Schnappfeder (7) in einem Lager (28) gehalten. Zur Auslösung des Schaltvorganges wird ein Stößel (19) betätigt, der über einen L-förmigen Hebel (13) auf einen, im Schaltergehäuse (2) geführten Bolzen (1) wirkt, der seinerseits auf das Lager (28) wirkt. Am Hebel (13) greift eine Feder (14) an, deren Federkraft eine Verminderung der am Stößel (19) aufzubringenden Auslösekraft bewirkt und in ihrer Grösse einstellbar ist.

IPC 1-7
H01H 5/04

IPC 8 full level
H01H 5/06 (2006.01); **H01H 13/12** (2006.01); **H01H 13/28** (2006.01); **H01H 35/26** (2006.01)

CPC (source: EP US)
H01H 13/28 (2013.01 - EP US); **H01H 35/2614** (2013.01 - EP US)

Citation (search report)

- [A] DE 1932958 B2 19710902
- [A] DE 2047757 B2 19780727

Cited by
GB2229860B

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0252383 A1 19880113; DE 3623200 A1 19880114; JP S6326913 A 19880204; US 4853506 A 19890801

DOCDB simple family (application)
EP 87109216 A 19870626; DE 3623200 A 19860710; JP 16892787 A 19870708; US 6808087 A 19870630