

Title (en)
Microswitch.

Title (de)
Mikroschalter.

Title (fr)
Microrupteur.

Publication
EP 0170589 A1 19860205 (FR)

Application
EP 85401490 A 19850719

Priority
FR 8411766 A 19840723

Abstract (en)
[origin: US4684770A] A microswitch comprises a compression spring abutting onto an insulating base which supports conducting terminals, the spring exerting indirectly a permanent tension force on flexible lateral arms of a blade pivotably mounted on one of the terminals with its free end being movable between the other terminals. The tension force is exerted via a pivoting point on an oscillating lever guiding an applied control force and sliding on the insulating base by one of its ends which is opposite another of its ends which pivotably mounts the lateral arms of the blade and which applies the tension force of the compression spring thereto.

Abstract (fr)
Le mécanisme du microrupteur comprend un ressort de compression (9) prenant appui sur le socle isolant (11) qui maintient les bornes conductrices (4, 5, 6) du mécanisme, ledit ressort (9) exerçant indirectement un effort permanent de tension des bras latéraux flexibles (73) d'une lame (7) articulée sur l'une (4) desdites bornes dont l'extrémité libre est mobile entre les autres bornes (5, 6) formant des butées de contact opposées, ladite tension s'exerçant par l'intermédiaire d'une articulation sur un levier (8) de renvoi de la force de commande oscillant en appui glissant sur ledit socle isolant par son extrémité opposée (84) à celle où ledit levier (8) s'articule et applique l'effort de tension dudit ressort de compression (9) sur les bras latéraux (73) de ladite lame mobile (7).

IPC 1-7
H01H 13/36; **H01H 11/04**

IPC 8 full level
H01H 11/00 (2006.01); **H01H 13/36** (2006.01)

CPC (source: EP US)
H01H 11/0056 (2013.01 - EP US); **H01H 13/36** (2013.01 - EP US)

Citation (search report)
• [YD] US 4130747 A 19781219 - RESH JOHN S
• [Y] FR 1248956 A 19601223 - CONTROLS CO OF AMERICA
• [A] DE 902661 C 19540125 - RAU FA G
• [A] FR 2116170 A5 19720707 - EUROMATION ANSTALT
• [A] DE 2262995 A1 19730712 - BURGESS MICRO SWITCH CO LTD, et al
• [A] FR 2237295 A1 19750207 - SCHIELE KG [DE]
• [A] DESIGN ENGINEERING, no. 5, mai 1978, pages 55,57,59-61, New York, US; D.W. EVANS et al.: "Electrical contact design - cut cost and extend life"

Cited by
US10170252B2; FR2716746A1; EP0514298A1; FR2676585A1; EP2908322A1; US2015235780A1

Designated contracting state (EPC)
CH DE GB IT LI

DOCDB simple family (publication)
EP 0170589 A1 19860205; **EP 0170589 B1 19881109**; DE 3566190 D1 19881215; FR 2568054 A1 19860124; FR 2568054 B1 19870522; US 4684770 A 19870804

DOCDB simple family (application)
EP 85401490 A 19850719; DE 3566190 T 19850719; FR 8411766 A 19840723; US 75625585 A 19850718