

Title (en)

Balanced slider, vibration and shock resistant, for movable contacts of auxiliary thermal switches and the like

Title (de)

Ausbalanzierter Schieber, Erschütterungs- und Stossresistent, für bewegliche Kontakten von thermischen Hilfschaltern und dergleichen

Title (fr)

Curseur équilibré, résistant aux vibrations et aux chocs, pour contacts mobiles d'interrupteurs thermiques auxiliaires et semblables

Publication

EP 0817220 A1 19980107 (EN)

Application

EP 97201911 A 19970621

Priority

IT MI960471 U 19960701

Abstract (en)

A balanced slider (60) comprises a movable equipment (62) rotating about a shaft (72) and provided with two movable contact arms (65, 66) cooperating with corresponding fixed contact arms (67, 68), the rotating movable equipment (62) being actuated by a snapping mechanism essentially comprised of a rigid tang (20) resting at a first end on a cantilever protrusion (24) of an anchoring bracket (12) and operating between two each other opposed reliefs (58, 59) integral with the movable equipment (62) and held in position by a spring (16) connected at a side to the rigid tang (20) and at the opposed side to a prolonging protrusion (18) of the supporting bracket (12) itself. To cause the snapping of the above mentioned mechanism, an intermediate point of the spring (16) is actuated by a force (42) directed essentially perpendicular with respect to a longitudinal axis of the spring (16) itself. <IMAGE>

IPC 1-7

H01H 5/06; **H01H 50/30**

IPC 8 full level

H01H 5/06 (2006.01); **H01H 50/30** (2006.01)

CPC (source: EP)

H01H 5/06 (2013.01); **H01H 50/30** (2013.01)

Citation (search report)

- [DY] US 4423296 A 19831227 - MCSPARRAN JOSEPH F [US]
- [DYA] DE 2030210 A1 19711230 - TEVES GMBH ALFRED
- [DA] DE 2035549 A1 19720120 - MERK GMBH TELEFONBAU FRIED

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EP 0817220 A1 19980107; **EP 0817220 B1 20031217**; DE 69726796 D1 20040129; DE 69726796 T2 20041007; ES 2217364 T3 20041101; IT 240762 Y1 20010411; IT MI960471 U1 19980101; IT MI960471 V0 19960701

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