

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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