

Title (en)

Electric snap-action switch, particularly micro-switch.

Title (de)

Elektrischer Schnappschalter, insbesondere Mikroschalter.

Title (fr)

Interrupteur électrique à rupture brusque, en particulier interrupteur miniature.

Publication

**EP 0449058 B1 19950111 (DE)**

Application

**EP 91104022 A 19910315**

Priority

DE 9003612 U 19900328

Abstract (en)

[origin: EP0449058A2] The electrical snap-action switch, particularly a microswitch, is provided with a rocker arm (18) which supports contacts, can pivot, rests with its one end against a retaining bearing (17) and, on its other end, engages on a switching spring (19) which pulls the rocker arm against the retaining bearing. In this case, the switch has an operating element (15) which moves parts of the switching spring in order to transfer the rocker arm into its individual switching positions. In order that the operating element can carry out a relatively large movement (excess movement) than is necessary for the actual changeover switching, the operating element, which can move essentially at right angles to the switching spring longitudinal axis, has in its longitudinal direction a recess (23) which in places forms a frame around the switching spring and is bounded essentially by a stop (25, 26) which touches the switching spring in one switching position, in this case the recess is designed to be long in such a manner that the switching spring which is located in the recess is free from the stop in a relatively large movement range of the operating element. <IMAGE>

IPC 1-7

**H01H 13/28**; **H01H 13/06**

IPC 8 full level

**H01H 13/06** (2006.01); **H01H 13/28** (2006.01); **H01H 13/32** (2006.01)

CPC (source: EP)

**H01H 13/063** (2013.01); **H01H 13/32** (2013.01)

Cited by

EP3032558A1; CN105702487A; US9837225B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**DE 9003612 U1 19900531**; DE 59104193 D1 19950223; EP 0449058 A2 19911002; EP 0449058 A3 19911227; EP 0449058 B1 19950111

DOCDB simple family (application)

**DE 9003612 U 19900328**; DE 59104193 T 19910315; EP 91104022 A 19910315