

Title (en)

Contact system for a low voltage switch

Title (de)

Kontaktsystem für einen Niederspannungsschalter

Title (fr)

Système de contact pour un interrupteur à basse tension

Publication

EP 1420432 B1 20071128 (DE)

Application

EP 03023418 A 20031017

Priority

DE 10252741 A 20021113

Abstract (en)

[origin: EP1420432A2] The contact system has a switch piece (10) for each pole of the low voltage (LV) switch, supported in the switch housing via a floating bearing and acted on by a contact spring. The switch housing has a first stop cooperating with a first switch piece section at the end of the opening movement and a second stop cooperating with a second section of the switch piece, offset angularly from the first stop. A bearing pin (15) of the switch piece is supported within an elongate opening (27) for providing the floating bearing, the longitudinal direction of the opening extending parallel to the acting direction of the contact spring and allowing a rotation of the switch piece after abutting the second stop about a rotation point provided by the latter.

IPC 8 full level

H01H 77/10 (2006.01); **H01H 3/60** (2006.01); **H01H 71/24** (2006.01); **H01H 1/22** (2006.01); **H01H 1/50** (2006.01)

CPC (source: EP)

H01H 3/60 (2013.01); **H01H 77/104** (2013.01); **H01H 1/225** (2013.01); **H01H 1/50** (2013.01)

Cited by

CN108597921A; CN102376497A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1420432 A2 20040519; **EP 1420432 A3 20040908**; **EP 1420432 B1 20071128**; AT E379844 T1 20071215; DE 10252741 B3 20040226; DE 50308679 D1 20080110

DOCDB simple family (application)

EP 03023418 A 20031017; AT 03023418 T 20031017; DE 10252741 A 20021113; DE 50308679 T 20031017