

Title (en)
CONTACT DEVICE

Publication
EP 0053194 B1 19850515 (DE)

Application
EP 80107448 A 19801128

Priority
EP 80107448 A 19801128

Abstract (en)
[origin: US4368450A] A contact arrangement includes an elongated striker reciprocable in direction of its elongation and a pair of movable contacts moved by the striker and cooperating with adjacent stationary contacts so that during reciprocation of the striker between two end positions one of said movable contacts engages the stationary contact adjacent thereto while the other movable contact is spaced from the adjacent stationary contact, and vice versa. In order to obtain during the reciprocation of the striker up to the moment of switching the contacts a high contact pressure, the striker is provided with a guide extending transverse to its reciprocation direction for a movable guide body. The movable guide body is mounted on one end of a link member the other end of which is articulately engaged with an angle lever in the region of the knee of the latter. A tension spring is connected at one end to the movable guide body and at the other end to one arm of the angle lever, the other arm of which is pivotally mounted on said support. A stationary guide body is coordinated with the movable guide body and the arrangement is made in such a manner that during the switching movement the movable guide body first moves in one direction along one face of the stationary guide body and then in the opposite direction along an opposite face of the stationary guide body.

IPC 1-7
H01H 5/06; **H01H 13/28**

IPC 8 full level
H01H 5/04 (2006.01); **H01H 37/10** (2006.01)

CPC (source: EP US)
H01H 5/04 (2013.01 - EP US); **H01H 37/10** (2013.01 - EP US)

Cited by
US4632481A; EP0102285A1; FR2531577A1; US4516819A; GB2193842A; EP0256901A1; FR2602908A1; GB2193842B; BE1004511A4; AU595348B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0053194 A1 19820609; **EP 0053194 B1 19850515**; AT E13372 T1 19850615; AU 542311 B2 19850214; AU 7757781 A 19820603; BR 8107671 A 19820824; CA 1169111 A 19840612; DE 3070654 D1 19850620; DK 505881 A 19820529; ES 507028 A0 19830201; ES 8302355 A1 19830201; NO 814061 L 19820601; US 4368450 A 19830111

DOCDB simple family (application)
EP 80107448 A 19801128; AT 80107448 T 19801128; AU 7757781 A 19811117; BR 8107671 A 19811125; CA 390780 A 19811124; DE 3070654 T 19801128; DK 505881 A 19811116; ES 507028 A 19811111; NO 814061 A 19811127; US 32189481 A 19811116