

Title (en)

Electric contact with twin-knife insertion coupling, particularly for disconnectors, switches or the like.

Title (de)

Elektrisches Kontakt mit Doppelmesser, insbesondere für Trenner, Schalter oder dergleichen

Title (fr)

Contact électrique à double couteau, en particulier pour sectionneurs, interrupteurs ou similaires

Publication

EP 0951030 A3 20000510 (EN)

Application

EP 99106254 A 19990414

Priority

IT MI980275 U 19980416

Abstract (en)

[origin: EP0951030A2] An electric contact with twin-knife insertion coupling, particularly for disconnectors, switches or the like, comprising two mutually facing knives and a spacer which delimits the maximum mutual approach of the knives. The knives can move together in order to pass from an active position, in which their mutually facing lateral surfaces engage a main contact pin, to an inactive position, in which they are disengaged from the main contact pin, or viceversa. An element is provided which elastically contrasts the mutual spacing of the knives in order to maintain the contact of the knives, in the active position, with the main contact pin. The element comprises a contrast pin which passes through two seats which are formed in the two knives and are mutually aligned along a direction which is substantially perpendicular to the planes of arrangement of the knives. The contrast pin has, at its axial ends, two portions which form two mutually opposite shoulders which engage the lateral surfaces of the knives that lie opposite with respect to the mutually facing lateral surfaces. The two portions of the contrast pin can move away from each other in contrast with elastic means contained within the axial dimensions of the contrast pin. <IMAGE>

IPC 1-7

H01H 1/42

IPC 8 full level

H01H 1/42 (2006.01); **H01H 31/28** (2006.01)

CPC (source: EP)

H01H 1/42 (2013.01); **H01H 31/28** (2013.01)

Citation (search report)

- [X] GB 897558 A 19620530 - SWITCHGEAR AND EQUIPMENT LTD, et al
- [X] DE 1045510 B 19581204 - VOIGT & HAEFFNER AG
- [X] DE 1199360 B 19650826 - SIEMENS AG
- [A] DE 1159069 B 19631212 - SACHSENWERK LICHT & KRAFT AG
- [X] PATENT ABSTRACTS OF JAPAN vol. 016, no. 059 (E - 1166) 14 February 1992 (1992-02-14)

Cited by

RU2707869C1; ES2180421A1; EP4270431A1; WO02080206A3; EP4002408A1; US2022165513A1; US11527369B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0951030 A2 19991020; EP 0951030 A3 20000510; EP 0951030 B1 20060927; DE 69933324 D1 20061109; DE 69933324 T2 20070830; IT 243948 Y1 20020306; IT MI980275 U1 19991016

DOCDB simple family (application)

EP 99106254 A 19990414; DE 69933324 T 19990414; IT MI980275 U 19980416