

Title (en)

Contact arrangement for current limiting circuit breaker

Title (de)

Kontaktanordnung für strombegrenzende Schutzschalter

Title (fr)

Dispositif de contact pour disjoncteur limiteur de courant

Publication

**EP 1302960 A3 20050316 (DE)**

Application

**EP 02022438 A 20021004**

Priority

DE 10150550 A 20011012

Abstract (en)

[origin: DE10150550C1] The contact device has a switch shaft (6) rotating about an axis (z) perpendicular to the centre plane (xy) of the switch pole within the insulating housing of the protection switch, a rotary contact bridge (10) fitting in a recess (12) of the switch shaft and extending along the centre plane, with contact pieces (14) at its diametrically opposing ends cooperating with stationary contacts (16). The contact force is provided by pairs of tension springs (18) positioned symmetrically on both sides of the centre plane and symmetrical to the rotation axis of the contact bridge, with coupling pieces (20) between the ends of each pair cooperating with extensions (28) at the opposite ends of the other pair for preventing rebound.

IPC 1-7

**H01H 73/04**; **H01H 77/10**

IPC 8 full level

**H01H 73/04** (2006.01); **H01H 77/10** (2006.01)

CPC (source: EP)

**H01H 1/205** (2013.01); **H01H 73/045** (2013.01); **H01H 77/102** (2013.01); **H01H 77/104** (2013.01)

Citation (search report)

- [DY] EP 0560697 A1 19930915 - MERLIN GERIN [FR]
- [DA] EP 0314540 A1 19890503 - MERLIN GERIN [FR]
- [DA] EP 0978858 A2 20000209 - HITACHI LTD [JP]
- [DA] WO 9962092 A1 19991202 - GEN ELECTRIC [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07 29 September 2000 (2000-09-29)

Cited by

DE102009035344A1; US8071898B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**DE 10150550 C1 20021219**; EP 1302960 A2 20030416; EP 1302960 A3 20050316; EP 1302960 B1 20150225

DOCDB simple family (application)

**DE 10150550 A 20011012**; EP 02022438 A 20021004