

Title (en)

Moulded-case circuit breaker with retardation at the end of the contact bridges repulsion movement

Title (de)

Schutzschalter mit Pressformgehäuse mit Verzögerung am Bewegungsende der Kontaktbrückenabstossung

Title (fr)

Disjoncteur à boîtier moulé à pont de contacts freiné en fin de course de répulsion

Publication

**EP 0560697 B1 19960904 (FR)**

Application

**EP 93420100 A 19930305**

Priority

FR 9203142 A 19920313

Abstract (en)

[origin: JPH0652777A] PURPOSE: To provide a simple deceleration device capable of latching a movable contact bridge without requiring additional parts. CONSTITUTION: A contact bridge 13 is floated and fixed in a rotary bar 20 by two springs 22, 23 symmetrical disposed with respect to a rotary shaft 37. One end of the respective springs is fixed to the contact bridge 13, and the other end is fixed to a rod 42 housed in a notch 43 of the rotary bar 20. The contact bridge 13 supports a cam surface 44 by a rim of the contact bridge 13 engaged with a fixing rod 42 that moves the cam surface 44 at the final resilient process in the notch 43 in the extension direction of the extension springs 22, 23.

IPC 1-7

**H01H 77/10**; H01H 1/20

IPC 8 full level

**H01H 71/12** (2006.01); **H01H 73/02** (2006.01); **H01H 73/04** (2006.01); **H01H 73/36** (2006.01); **H01H 77/10** (2006.01); **H01H 1/50** (2006.01); **H01H 3/60** (2006.01); **H01H 9/44** (2006.01); **H01H 71/10** (2006.01)

CPC (source: EP US)

**H01H 1/205** (2013.01 - EP US); **H01H 73/045** (2013.01 - EP US); **H01H 77/102** (2013.01 - EP US); **H01H 1/2058** (2013.01 - EP US); **H01H 1/50** (2013.01 - EP US); **H01H 3/60** (2013.01 - EP US); **H01H 9/446** (2013.01 - EP US); **H01H 71/1081** (2013.01 - EP US); **H01H 77/104** (2013.01 - EP US)

Cited by

FR2818003A1; DE19757179A1; DE19757179B4; DE10150550C1; EP1302960A3; FR2839196A1; DE10219022B3; DE19836754B4; ES2304271A1; DE10056818A1; CN102612723A; ES2267381A1; EP1085552A1; CN103745897A; EP1098343A1; CN106783442A; WO2011033181A1; US9299518B2; US9953789B2; DE102008049602A1; US6403901B1; WO0241347A1; WO0106530A1; WO0106529A1; WO0171742A3; DE102007040163A1; US8071898B2; WO9962092A1; WO0241345A1; WO0241346A1

Designated contracting state (EPC)

CH DE ES GB IT LI SE

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**EP 0560697 A1 19930915**; **EP 0560697 B1 19960904**; DE 69304374 D1 19961010; DE 69304374 T2 19970220; ES 2092792 T3 19961201; FR 2688626 A1 19930917; FR 2688626 B1 19940506; JP 3352750 B2 20021203; JP H0652777 A 19940225; US 5310971 A 19940510

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