

Title (en)

LOW-VOLTAGE AUTOMATIC CIRCUIT BREAKER WITH REDUCED NUMBER OF COMPONENTS

Title (de)

NIEDERSPANNUNGS-LEISTUNGSSCHALTER MIT VERRINGERTER ZAHL VON BESTANDTEILE

Title (fr)

DISJONCTEUR AUTOMATIQUE BASSE TENSION COMPRENANT UN NOMBRE REDUIT DE COMPOSANTS

Publication

EP 1430499 B1 20050921 (EN)

Application

EP 02764787 A 20020723

Priority

- EP 0208326 W 20020723
- IT MI20011572 A 20010723

Abstract (en)

[origin: WO03010788A1] An automatic low-voltage circuit breaker, comprising an enclosure that contains moving contact means (3) and fixed (4) contact means, the moving contact means comprising at least one moving contact and the fixed contact means comprising at least one fixed contact, a kinematic chain that includes a plurality of levers that move the moving contact between an open position and a closed position; its particularity consists of the fact that at least one of the levers (8) is constituted by a single body that comprises at least one first rigid portion (8b) and at least one second rigid portion (8a) that is adjacent to the first rigid portion and is connected thereto by means of a first flexible hinge (8c) constituted by a first elastic and resilient element.

IPC 1-7

H01H 71/52

IPC 8 full level

H01H 71/52 (2006.01)

CPC (source: EP US)

H01H 71/526 (2013.01 - EP US); **H01H 2003/466** (2013.01 - EP); **H01H 2300/048** (2013.01 - EP); **Y10T 29/43** (2015.01 - US); **Y10T 29/49128** (2015.01 - US); **Y10T 29/49165** (2015.01 - US)

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)

WO 03010788 A1 20030206; AT E305169 T1 20051015; CN 1319099 C 20070530; CN 1465082 A 20031231; DE 60206293 D1 20051027; DE 60206293 T2 20060713; EP 1430499 A1 20040623; EP 1430499 B1 20050921; IT MI20011572 A0 20010723; IT MI20011572 A1 20030123

DOCDB simple family (application)

EP 0208326 W 20020723; AT 02764787 T 20020723; CN 02802550 A 20020723; DE 60206293 T 20020723; EP 02764787 A 20020723; IT MI20011572 A 20010723