

Title (en)

Electrical contact breaker switch, integrated electrical contact breaker switch, and electrical contact switching method

Title (de)

Elektrischer Kontaktöffnungsschalter, integrierter elektrischer Kontaktöffnungsschalter und Schaltverfahren

Title (fr)

Disjoncteur électrique, disjoncteur électrique intégré et procédé de sectionnement électrique

Publication

EP 1179829 A1 20020213 (EN)

Application

EP 01120258 A 19991223

Priority

- EP 99967613 A 19991223
- JP 37718398 A 19981230

Abstract (en)

An electrical contact breaker switch has a cavity or space that forms first and second chambers and a plurality of channels. The switch also has at least two solid electrodes formed with electrode components exposed apart from each other within the cavity. A conductive fluid held within the cavity functions as a contact for putting the electrode components of two specific solid electrodes in a "closed" state when in contiguous form and in an "open" state when in non-contiguous form. A form modification unit, which includes the first and second chambers, modifies the form of the conductive fluid. <IMAGE>

IPC 1-7

H01H 29/28; **H01H 1/00**

IPC 8 full level

H01H 29/02 (2006.01); **H01H 1/00** (2006.01); **H01H 29/28** (2006.01); **H01H 61/02** (2006.01)

CPC (source: EP)

H01H 1/0036 (2013.01); **H01H 29/28** (2013.01); **H01H 61/02** (2013.01); **H01H 2029/008** (2013.01); **H01H 2061/006** (2013.01)

Citation (search report)

- [XY] DE 312051 C
- [Y] US 1598874 A 19260907 - PHELAN LOUIS A M
- [Y] GB 407861 A 19340329 - HUGH TERRELL, et al
- [A] BE 691693 A 19670623
- [A] US 3539743 A 19701110 - WINTER HARRY
- [DY] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 07 31 March 1999 (1999-03-31)

Cited by

EP1587119A3; US6797901B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1179829 A1 20020213; **EP 1179829 B1 20040908**; DE 69920056 D1 20041014; DE 69920056 T2 20050120; JP 2000195389 A 20000714; JP 4183817 B2 20081119

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