

Search query (24): [SP]: An electrical path for a circuit breaker, comprising: an inlet contact group connected to an inlet terminal; an outlet contact group connected to an outlet terminal; and a conductive assembly comprising a soft connection assembly and a hard connection assembly, wherein the hard connection assembly is fixed to a base of the circuit breaker; the soft connection assembly is connected to the inlet contact group and the outlet contact group; the soft connection assembly and the hard connection assembly are connected to provide an electrical path between the inlet contact group and the outlet contact group, wherein the inlet contact group and the outlet contact group are coaxially mounted. 2. The electrical path for a circuit breaker according to claim 1, wherein the hard connection assembly comprises a connecting member and a conductive strip; the connecting member is fixed to the base of the circuit breaker and extends from a position near the inlet contact group to a position near the outlet contact group; the conductive strip is fixed to the connecting member and is adjacent to the inlet contact group and the outlet contact group. 3. The electrical path for a circuit breaker according to claim 2, wherein the connecting member is provided with a fixing hole and a connecting hole, the connecting member is fixed by a fastener to the base of the circuit breaker through the fixing hole, and the conductive strip is fixed by a fastener to the connecting member through the connecting hole.

Results: 15

1) Family number: 48527033 (WO12006812A1)

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Title: MINIATURE MOULDED CASE CIRCUIT BREAKER

Abstract: A miniature moulded case circuit breaker includes an insulating moulded case(9), inlet and outlet terminals (10,11) placed in the case, a thermal tripping system, a magnetic tripping system, a movable contact(16), a fixed contact, an operating mechanism (12) and an arc extinguishing system. The operating mechanism drives the movable contact to realize the closing and disconnecting of a circuit. The magnetic tripping system is composed of a magnetic yoke, cores (3,5), a sleeve and a coil (2). One end of the coil is connected with the fixed contact by the magnetic yoke or directly connected with the fixed contact and the other end of the coil is connected with the thermal tripping system or connected with the terminals. The coil of the magnetic tripping system is a non-circle structure. The cores of the magnetic tripping system are made of non-cylindrical magnetic material. The sleeve of the magnetic tripping system is a non-circle structure. The circuit breaker has the advantages of a thin type and simple structure.

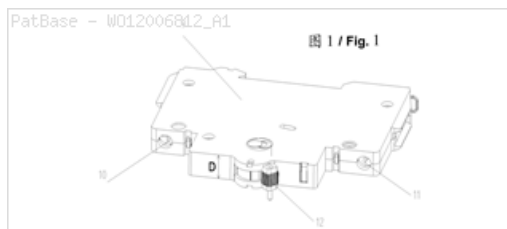
Classifications:

International (IPC 8-9): H01H71/24 H01H71/40

H01H73/48 (Advanced/Invention)

CPC: H01H71/40 H01H71/2481 H01H71/2454

European: H01H71/24F H01H71/24L H01H71/40



Family:

Publication number	Publication date	Application number	Application date
■ CN102339694 A	20120201	CN201010232409	20100715
■ CN102339694 B	20140709	CN201010232409	20100715
■ CN201773802 U	20110323	CN201020265886U	20100715
■ WO12006812 A1	20120119	WO2010CN77064	20100917

Priority:

CN201010232409 20100715 CN201020265886U 20100715

Probable Assignee: BEIJING CUIXIANG ELECTRICAL COMPONENTS CO LTD

Assignee(s): (std): NAN YIN ; BEIJING CUIXIANG ELECTRICAL COMPONENTS CO LTD ; BEIJING CUIXIANG ELECTRIC COMPONENTS CO LTD ; BEIJING CUIXIANG ELECTRICAL ELEMENT CO LTD

Assignee(s): BEIJING CUIXIANG ELECTRICAL ELEMENT CO ; BEIJING CUIXIANG ELECTRIC COMPONENTS CO ; BEIJING CUIXIANG ELECTRICAL COMPONENTS CO

Inventor(s): (std): YIN NAN ; SHICHUN PENG ; PENG SHICHUN ; NAN YIN ; LIU LIGAI ; LIGAI LIU

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 28544156 (CN1416150A)

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Title: Multipolar low-voltage breaker with double breaks and plastic case

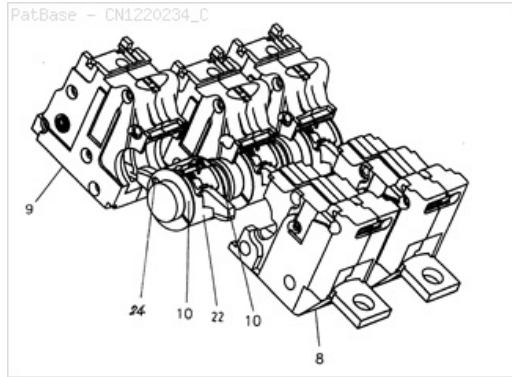
Abstract: The breaker possesses the following characters: The relatively independent encapsulated units constitute the two arc extinguish chambers of each pole in the breaker; The moving contacts of the each pole through the contact support are set up on the same revolution axis; The contact support through the connection rod is connected to the operating mechanism in the one small case. There are the partition walls between the poles on the big case. The bearings are installed on the partition walls in order to support the revolution axis. The relative simple structure is adopted to implement the reliable connection and transmitting motion between each single pole unit. The invention provides the features of the flexible, convenient and simplified assembling procedure.

Classifications:

International (IPC 8-9): H01H71/02 H01H71/10 (Advanced/Invention);

H01H71/02 H01H71/10 (Core/Invention)

International (IPC 1-7): H01H71/02 H01H71/10

**Family:**

Publication number	Publication date	Application number	Application date
CN1220234 C	20050921	CN20011032088	20011030
CN1416150 A	20030507	CN20011032088	20011030

Priority:

CN20011032088 20011030

Probable Assignee: ZHEJIANG ZHENGTAI ELECTRICAL E**Assignee(s):** (std): ZHEJIANG CHINT ELECTRICS CO LTD ; ZHEJIANG ZHENGTAI ELECTRICAL E ; ZHENGTAI ELECTRICAL APPLIANCE ; ZHENGTAI ELECTRICAL APPLIANCE CO LTD ZHEJIANG**Assignee(s):** ZHEJIANG ZHENGTAI ELECTRICAL EQUIPMENT CO LTD**Inventor(s):** (std): LI SHUYAO ; LI RAN ; DUAN YUMING ; SHUYAO LI ; YUMING DUAN ; RAN LI**3) Family number: 17523217** (CN2197744Y)

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Title: Remote electrically controlling and frequently operating breaker

Abstract: The utility model relates to an improved automatic air breaker to overcome the defects of no frequently operating, big electrical operating mechanism and an additional contactor on a circuit which needs to frequently be switched on a power or switched off the power on the existing breakers. The utility model provides an automatic air breaker which has the advantages of compact structure, low comprehensive cost and remotely frequent and electrical operation. The utility model also has the protective functions of an overloading, a short circuit, a decompression and an open phase.

Classifications:**International (IPC 8-9):** H01H75/00 H01H83/12 (Advanced/Invention);

H01H75/00 H01H83/00 (Core/Invention)

International (IPC 1-7): H01H75/00 H01H83/12**Family:**

Publication number	Publication date	Application number	Application date
CN2197744 Y	19950517	CN19932022365U	19930825

Priority:

CN19932022365U 19930825

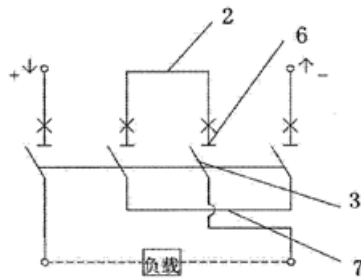
Probable Assignee: YE YONGCHUN**Assignee(s):** (std): YE YONGCHUN**Inventor(s):** (std): YONGCHUN YE ; YE YONGCHUN**4) Family number: 55281262** (CN203300573U)

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Title: MULTI-BREAKPOINT PLASTIC SHELL CIRCUIT BREAKER

Abstract: A multi-breakpoint plastic shell circuit breaker belongs to the technical field of low-voltage electrical appliances. The multi-breakpoint plastic shell circuit breaker comprises a four-pole insulated casing provided with a first pole, a second pole, a third pole and a fourth pole which are sequentially arranged, wherein the inside of each pole is provided with a group of mutually-matched movable and static contacts. The multi-breakpoint plastic shell circuit breaker is characterized in that the two non-adjacent moving contacts of the second pole and the fourth pole are electrically connected by a wire and the two ends of the static contacts of the second pole and the third pole are short-circuited by a first short-circuiting conductor in the insulated casing. The multi-breakpoint plastic shell circuit breaker has the following advantages: the breaking of the circuit breaker is convenient under high working voltage, and the requirements on high working voltage and high protective characteristic are satisfied; the boundary dimension of the circuit breaker is not increased and the safe reliability for users to use the circuit breaker is improved; and the long-time-delay action characteristic is not affected when users use the circuit breaker.

Classifications:**International (IPC 8-9):** H01H71/08 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
■ CN203300573 U	20131120	CN201320311344U	20130603

Priority:

CN201320311344U 20130603

Probable Assignee: CHANGSHU SWITCHGEAR MFG CO LTD**Assignee(s):** (std): CHANGSHU SWITCHGEAR MFG CO LTD**Assignee(s):** CHANGSHU SWITCHGEAR MFG CO**Inventor(s):** (std): WANG JIONGHUA ; CHEN ZHIGANG ; GUAN RUILIANG ; YAN WEIJIANG ; HE PING**5) Family number: 49460263** (CN201927556U)

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Title: Connecting line of miniature circuit breaker

Abstract: The utility model discloses a connecting line of a miniature circuit breaker, comprising a connecting plate 1, a bimetallic strip 2 and a support 3. The support 3 is a supporting mechanism of the bimetallic strip 2. The connecting line of the miniature circuit breaker further comprises a flexible conductor 5, and the flexible conductor 5 is connected with the connecting plate 1 and the bimetallic strip 2 in a butt-weld manner. The utility model has the beneficial effects that: the stability of the bimetallic strip 2 is not influenced by external force applied on the connecting 1 through the flexible conductor 5 when strong force is applied to the installation and wiring connection of the miniature circuit breaker, namely, the operating characteristic of the miniature circuit breaker is changeless, and the quality of products is stable and reliable. The utility model is widely applied to the connecting line structures of various miniature circuit breakers.

Classifications:**International (IPC 8-9):** H01H71/08 (Advanced/Invention)

PatBase - CN201927556_U

CN 201927556 U 说明书附图 1/1页

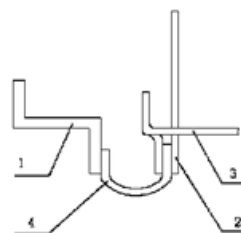


图1

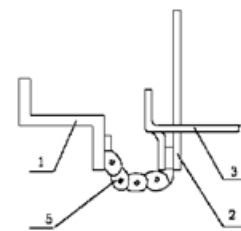


图2

Family:

Publication number	Publication date	Application number	Application date
CN201927556 U	20110810	CN201020682644U	20101227

Priority:

CN201020682644U 20101227

Probable Assignee: FOSHAN JIAHUA ELECTRICAL APPLIANCE TECHNOLOGY DEV CO LTD

Assignee(s): (std): FOSHAN JIAHUA ELECTRICAL APPLIANCE TECHNOLOGY DEV CO LTD

Assignee(s): FOSHAN JIAHUA ELECTRICAL APPLIANCE TECHNOLOGY DEVELOPMENT CO

Inventor(s): (std): ZHANRUI LU ; YIQIAN LIN ; WEISONG YANG

Inventor(s): LU ZHANRUI ; LIN YIQIAN ; YANG WEISONG

6) Family number: 17137326 (US4583065A)

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Title: ELECTRIC CONNECTION OF BRAIDS ON A CIRCUIT BREAKER TERMINAL

Abstract: Several braids (26) to connect a moving contact (10) to a lug (14) for the current lead are attached to the lug by welding under pressure, the ends (32) of the braids (26) being placed in slots (34, 36, 38) made in the face of the lug (14). The welding occurs without any need of hard solder.

Classifications:

International (IPC 8-9): H01H1/22 H01H1/58 H01H73/02 H01R43/02

H01R43/04 (Advanced/Invention);

H01H1/22 H01H1/58 (Advanced/Non-invention);

H01H73/00 H01R43/02 H01R43/04 (Core/Invention);

H01H1/00 H01H1/12 (Core/Non-invention)

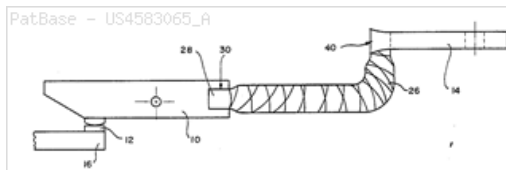
International (IPC 1-7): H01H1/58 H01H67/00 H01H71/08

H01H73/00 H01R4/02 H01R43/00 H01R43/02 H01R43/04

CPC: H01H1/226 H01H1/5822 H01R43/02 H01R43/04

European: H01R43/02 H01R43/04 T01H1/22B4 T01H1/58C

US: 335/106 335/16



Family:

Publication number	Publication date	Application number	Application date
AT32290 E	19880215	AT19840402425T	19841128
AU198436574 A1	19850620	AU19840036574	19841212
AU567469 B2	19871119	AU19840036574	19841212
CA1234857 A1	19880405	CA19840469894	19841212
DE3469118 D1	19880303	DE19843469118T	19841128
DE3469118 D1	19880303	DE19843469118	19841128
EP0148051 A1	19850710	EP19840402425	19841128
EP0148051 B1	19880127	EP19840402425	19841128
ES296509 U	19871016	ES19860296509U	19860212
ES296509 Y	19880416	ES19860296509U	19860212
ES296509 Y1	19880516	ES19860296509U	19860212
ES538262 A0	19860601	ES19840538262	19841204
ES8607635 A1	19860601	ES19840538262	19841204
FR2556515 A1	19850614	FR19830020089	19831213
FR2556515 B1	19870116	FR19830020089	19831213
JP60140623 A2	19850725	JP19840255856	19841205
US4583065 A	19860415	US19840677858	19841204
ZA8409618 A	19850731	ZA19840009618	19841211

Priority:

FR19830020089 19831213

EP19840402425 19841128

CA19840469894 19841212

Probable Assignee: MERLIN GERIN

Assignee(s): (std): MERLIN ET GERIN ; MERLIN GERIN ; GERIN M

Assignee(s): MERLIN GERIN RUE HENRI TARZE ; FAVRE TISSOT JEAN PAUL ; MERLIN GERIN S A ; MERLIN GERIN SA

Inventor(s): (std): FAVRE TISSOT JEAN PAUL ; JEAN PAUL FAVRE TISSOT ; JIYAN POORU FUABURUUTEISO

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; GRIFFITH HACK; ROBIC ROBIC AND ASSOCIES ASSOCIATES

Designated states: AT BE CH DE GB IT LI NL SE

7) Family number: 56471326 (CN203607352U)

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Title: MULTI-BREAK CIRCUIT BREAKER WITH CURRENT-LIMITING PROTECTION MECHANISM

Abstract: The utility model discloses a multi-break circuit breaker with a current-limiting protection mechanism. The multi-break circuit breaker comprises two adjacent static contacts which are arranged in an insulating shell, and two moving contacts which are corresponding to the static contacts. The static contacts are rotatably installed in contact bases which are provided with springs used for supporting the static contacts. The two static contacts are electrically connected via one flexible conductive wire. The static contacts are rotatably installed in the contact bases, the static contacts can be separated via repulsion under electric repulsion force, and the two static contacts are connected via the flexible conductive wire without mutual interference so that breaking speed of the circuit breaker can be enhanced, and reliability of motion of the multi-break circuit breaker can be ensured when high fault current appears.

Classifications:

International (IPC 8-9): H01H73/04 (Advanced/Invention)

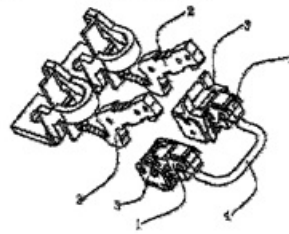


图 1

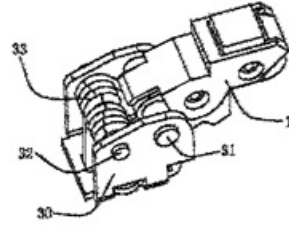


图 2

5

Family:

Publication number	Publication date	Application number	Application date
■ CN203607352 U	20140521	CN201320800475U	20131206

Priority:

CN201320800475U 20131206

Probable Assignee:

SHANGHAI SUN ELECTRIC CO LTD

Assignee(s): (std):

SHANGHAI SUN ELECTRIC CO LTD

Assignee(s):

SHANGHAI SUN ELECTRIC CO

Inventor(s): (std):

HOU HAILEI

8) Family number: 48897425 (CN102456515A)

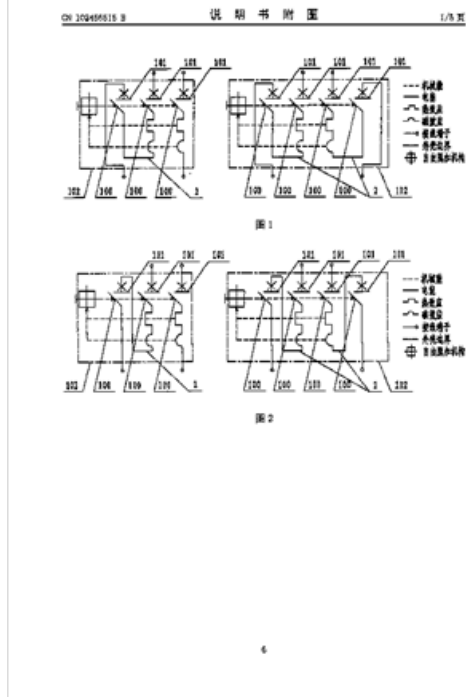
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Title: MULTI-BREAK PLASTIC-SHELL TYPE CIRCUIT BREAKER

Abstract: The invention provides a multi-break circuit breaker. A preset connecting mode is adopted. In an insulating shell, every two adjacent groups of movable contacts are connected by a conductor, or a group of movable contacts and static contacts corresponding to the adjacent group of movable contacts are connected by another conductor; after connection in any mode, poles which are provided with at least two breaks connected in series and are homopolar and cophasal are formed; and two groups of movable contacts can rotate independently relative to an insulating rotary shaft. A plurality of breakpoints are connected in series in the circuit breaker shell, and a user does not need to connect wires at wiring terminals independently in order to connect the breaks in series. The long time-delay characteristic also is set under the mode of preset connecting wires, and the acting characteristic of the multi-break circuit breaker is not influenced when the multi-break circuit breaker is used by the user.

Classifications:

International (IPC 8-9): H01H71/00 H01H71/10 H01H73/04
H01H73/18 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
■ CN102456515 A	20120516	CN201010527233	20101020
■ CN102456515 B	20140924	CN201010527233	20101020
■ CN201829430 U	20110511	CN201020586389U	20101020

Priority:

CN201010527233 20101020 CN201020586389U 20101020

Probable Assignee: BEIJING PEOPLES ELECTRIC PLANT

Assignee(s): (std): BEIJING PEOPLE S ELECTRIC PLANT CO LTD ; BEIJING PEOPLES ELECTRIC PLANT

Assignee(s): BEIJING PEOPLE S ELECTRIC PLANT CO

Inventor(s): (std): JINBAO ZHU ; YIN NAN ; ZHU JINBAO ; NAN YIN

9) Family number: 59758466 (WO16165402A1)

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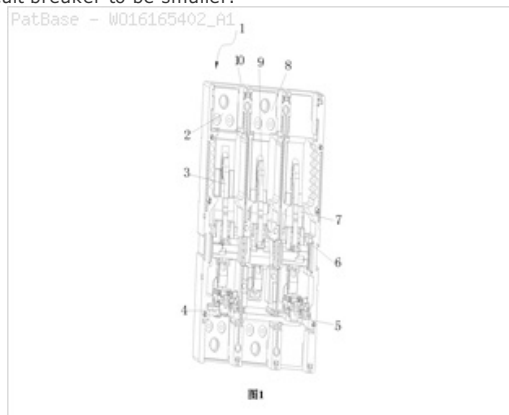
Title: CIRCUIT BREAKER

Abstract: A circuit breaker, comprising a stationary contact (7) and a base (10), wherein the stationary contact (7) comprises a contact part (714) and a cascade part (712), wherein the stationary contact (7) is fixedly arranged on the base (10); the contact part (714) is positioned on an upper side of the base (10); and the cascade part (712) is positioned on a lower side of the base (10), such that the circuit breaker realizes a double-layer structure. The double-layer cascade structure of the circuit breaker can reduce contact resistance, a cascade point which is most beneficial to a conductive loop is selected, the designed cascade function can be ensured under the condition of short circuit; and the cascade mode can improve the insulation level and enable outline dimensions of the circuit breaker to be smaller.

Classifications:

International (IPC 8-9): H01H73/04 H01H73/18 (Advanced/Invention)

CPC: H01H73/04 H01H73/18

**Family:**

Publication number	Publication date	Application number	Application date
■ CN104779129 A	20150715	CN201510181753	20150416
■ CN104779129 B	20170929	CN201510181753	20150416
■ CN204632703 U	20150909	CN201520232066U	20150416
■ WO16165402 A1	20161020	WO2015CN100122	20151231

Priority:

CN201510181753 20150416 CN201520232066U 20150416

Probable Assignee: BEIJING PEOPLES ELECTRIC PLANT

Assignee(s): (std): BEIJING PEOPLE S ELECTRIC PLANT CO LTD ; BEIJING PEOPLES ELECTRIC PLANT

Assignee(s): BEIJING PEOPLE S ELECTRIC PLANT CO

Inventor(s): (std): GU CHUNLEI ; NAN YIN ; ZHU JINBAO

Agent(s): BEIJING EAST IP LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

10) Family number: 52890509 (CN102891047A)

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Title: CONDUCTIVE LOOP STRUCTURE OF SWITCH DEVICE

Abstract: A conductive loop structure of a switch device belongs to the technical field of a low-voltage electric appliance. The conductive loop structure comprises a first wiring terminal, a second wiring terminal, a movable guide rod, a stationary guide rod and a pair of movable contact and stationary contact, which can be separated and closed, wherein one end of the first wiring terminal extends to provide with a connecting guide rod, and the conductive loop structure is characterized in that the stationary guide rod is in noncontact parallel with the connecting guide rod, the end of the stationary guide rod below the movable rod, which is close to the second wiring terminal, is connected with the second wiring terminal, the movable guide rod is connected with the end of the connecting guide rod, which faces towards the second wiring terminal, under the state that a conducted electric loop is formed between the first wiring terminal and the second wiring terminal, and the current direction flowing by the connecting guide rod is identical to that flowing by the stationary guide rod and opposite to that flowing by the movable guide rod. The conductive loop structure has advantages that the breaking time of the fault current can be shortened, and the current limiting capacity of the switch device can be improved; and an arc extinguishing capacity of an arc extinguishing mechanism and the breaking capacity of the switch device can be improved.

Classifications:

International (IPC 8-9): H01H71/08 H01H71/10 (Advanced/Invention)

PatBase - CN102891047_A

说明书附图 1/2

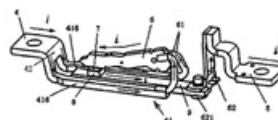


图 1

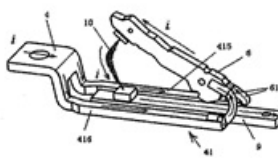


图 2

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Family:

Publication number	Publication date	Application number	Application date
■ CN102891047 A	20130123	CN201210366284	20120926
■ CN102891047 B	20131211	CN201210366284	20120926

Priority:

CN201210366284 20120926

Probable Assignee: CHANGSHU SWITCHGEAR MFG CO LTD

Assignee(s): (std): CHANGSHU SWITCHGEAR MFG CO LTD

Assignee(s): CHANGSHU SWITCHGEAR MANUFACTURING CO LTD ; CHANGSHU SWITCHGEAR MFG CO

Inventor(s): (std): CHEN HONGYING ; GUAN RUILIANG ; LIU HONGWU ; LU WEIWEN ; XIE XINYI

11) Family number: 63489517 (WO18006768A1)

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Title: ELECTRICALLY CONDUCTIVE LOOP OF CIRCUIT BREAKER

Abstract: An electrically conductive loop of a circuit breaker, comprising: an infeed contact group (121, 122), an outfeed contact group (131, 132) and a conductive assembly (115, 111, 112). The infeed contact group (121, 122) is connected to an infeed terminal (123), while the outfeed contact group (131, 132) is connected to an outfeed terminal (133). The conductive assembly (115, 111, 112) includes a soft-connected assembly (115) and a hard-connected assembly (111, 112); the hard-connected assembly (111, 112) is fixed on a base of the circuit breaker; the soft-connected assembly (115) is connected to the infeed contact group (121, 122) and the outfeed contact group (131, 132); the soft-connected assembly (115) and the hard-connected assembly (111, 112) are connected to provide an electrically conductive loop between the infeed contact group (121, 122) and the outfeed contact group (131, 132). The infeed contact group (121, 122) and the outfeed contact

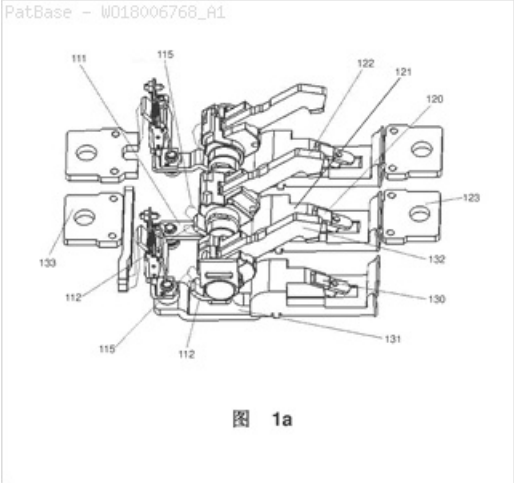
group (131, 132) are mounted coaxially. By combining a soft connection and a hard connection, the electrically conductive loop utilizes the flexibility of the soft connection to render the installation of contact groups more flexible and convenient, and utilizes the hard connection to obtain reliable and stable conductive paths, thus achieving a balance between installation efficiency and installation quality.

Classifications:

International (IPC 8-9): H01H71/08 H01H71/10 H01H73/04 H01H9/40 (Advanced/Invention)

International (IPC 1-7): H01H71/08 H01H73/04

CPC: H01H71/08 H01H73/04 H01H71/1045



Family:

Publication number	Publication date	Application number	Application date
BR112019000279 A2	20190416	BR20191100279	20170703
CL2019000020 A1	20190524	CL20190000020	20190104
CN105931928 A	20160907	CN201610525091	20160706
CN105931928 B	20181109	CN201610525091	20160706
CN205863108 U	20170104	CN201620704020U	20160706
CO20190000055 A2	20190329	CO20190000055	20190104
EP3483912 A1	20190515	EP20170823580	20170703
EP3483912 A4	20200115	EP20170823580	20170703
MX2019000186 A1	20190829	MX20190000186	20170703
PE20191259 A1	20190918	PE20180003341	20170703
WO18006768 A1	20180111	WO2017CN091415	20170703

Priority:

CN201610525091 20160706 CN201620704020U 20160706 WO2017CN091415 20170703

Probable Assignee: SEARI ELECTRICAL APPARATUS TECHNOLOGY CO LTD

Assignee(s): (std): SEARI ELECTRIC TECH CO LTD ; SEARI ELECTRIC TECHNOLOGY CO LTD ; SEARI ELECTRICAL APPARATUS TECH CO LTD ; ZHEJIANG CHINT ELECTRICS CO LTD ; SHANGHAI NOARK ELECTRIC CO LTD ; ZHEJIANG CHINT ELECTRIC APPLIANCE CO LTD ; SEARI ELECTRICAL APPARATUS TECHNOLOGY CO LTD

Assignee(s): ZHEJIANG CHINT ELECTRICS CO ; ZHEJIANG CHINT ELECTRIC APPLIANCE CO ; SHANGHAI NOARK ELECTRIC CO ; SEARI ELECTRICAL APPARATUS TECHNOLOGY CO ; SEARI ELECTRIC TECHNOLOGY CO

Inventor(s): (std): JIANG GUPING ; JIANG ZHILI ; HE WENNAN ; GU XIANG ; XIANG GU ; GUPING JIANG ; ZHILI JIANG ; WENNAN HE

Agent(s): ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; OSHA LIANG; SHANGHAI PATENT AND TRADEMARK LAW OFFICE LLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

12) Family number: 15489606 (EP1126486A1)

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Title: MULTIPOLAR SWITCH

Abstract: The mobile contacts can be moved within their support, determining the order in which contact is established. The multi-polar switch includes several contacts (11a,b,c,d) mounted on a contact support (13) facing a further set of contacts (12a,b,c,d). The first set of contacts are mobile and are mounted on a rotating support (13), whilst the second set of contacts are mounted on a fixed plate. Some of the contacts mounted on the rotating support are movable w.r.t. their mounting in this support, such that they may be moved into a position where they make contact with their respective opposite contacts more or less quickly than their neighbours. These contacts are held in position within the rotating support (13), urging them against an upper internal surface.

Classifications:

International (IPC 8-9): H01H1/34 H01H71/00 (Advanced/Invention); H01H1/22 H01H9/56 (Advanced/Non-invention);

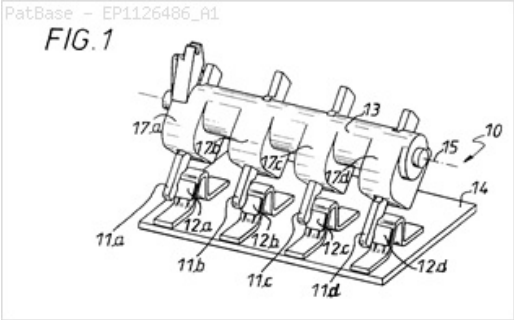
H01H1/12 H01H71/00 (Core/Invention);

H01H9/54 (Core/Non-invention)

International (IPC 1-7): H01H1/34 H01H1/58 H01H71/00 H01H73/04

CPC: H01H1/225 H01H1/34 H01H9/563 H01H71/002 H01H2071/1036

European: H01H1/34 H01H71/00B T01H1/22B2 T01H71/10B3 T01H9/56B



Family:

Publication number	Publication date	Application number	Application date
EP1126486 A1	20010822	EP20010400347	20010209
FR2805078 A1	20010817	FR200000001796	20000214
FR2805078 B1	20040917	FR200000001796	20000214
PL198444 B1	20080630	PL20010345841	20010214
PL345841 A1	20010827	PL20010345841	20010214

Priority:

FR20000001796 20000214

Probable Assignee: REALISATION DE DISJONCTEURS SO

Assignee(s): (std): REALISATION DE DISJONCTEURS SO ; SERD

Assignee(s): SERD SOCIETE D ETUDE ET DE REALISATION DE DISJONCTEURS ; D ETUDE ET DE REALISATION DE DISJONCTEURS SOC

Inventor(s): (std): GENY LUC

Inventor(s): LUC GENY

Agent(s): SANTARELLI

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

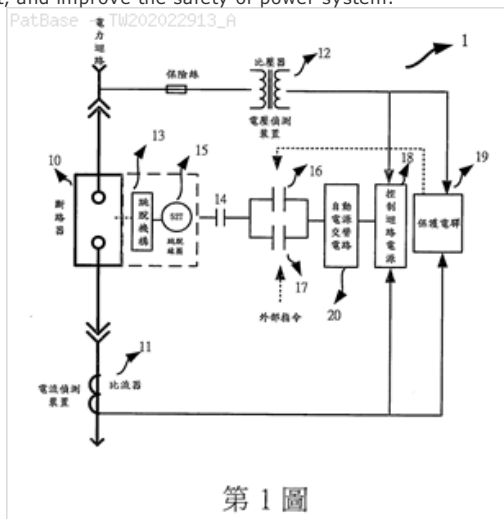
13) Family number: 78407633 (TW202022913A)

Title: Self-strength Trip Circuit Breaker Tripping Loop Improvement Device

Abstract: The invention is an Self-strength trip circuit breaker tripping loop improvement device, in particular, in an improved high-voltage power system, when an accident occurs in the system, the working power supply of the original tripping circuit is disabled, and the effective power-driven circuit breaker cannot be provided to take off the coil to isolate the accident. The improved circuit breaker circuit system of the present invention introduces the current of the secondary side of the current transformer as the power required for the circuit breaker to trip the coil, and combines with storage capacitor to guarantee enough power source can surely make the circuit breaker tripping in the event of a system failure. The tripping mechanism acts to open the circuit breaker, isolate the accident point, and improve the safety of power system.

Classifications:

International (IPC 8-9): H01H71/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ TW202022913 A	20200616	TW20180142949	20181130
■ TWI690965 B	20200411	TW20180142949	20181130

Priority:

TW20180142949 20181130

Probable Assignee:

CHENXI YU

Assignee(s): (std): CHEN HSIN YU

CHEN HSIN YU

Assignee(s): CHENXI YU

CHENXI YU

Inventor(s): (std): CHEN HSIN YU

CHEN HSIN YU

14) Family number: 46785685 (CN101819908A)

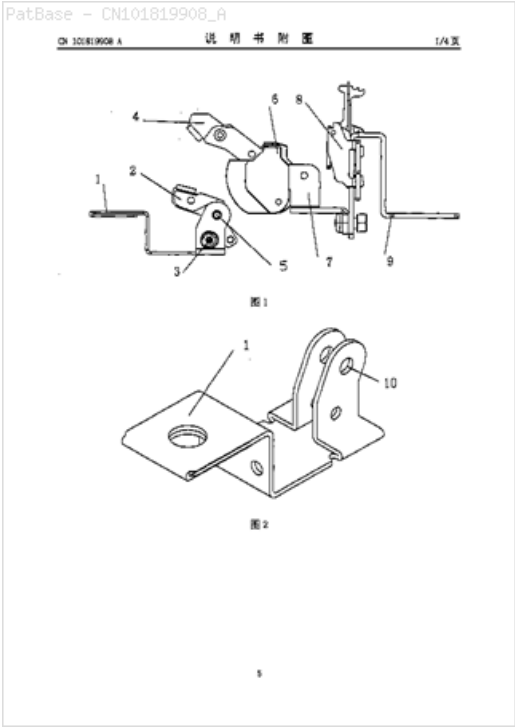
Title: CONDUCTING LOOP STRUCTURE OF LOW-VOLTAGE CIRCUIT BREAKER

Abstract: The invention discloses a conducting loop structure of a low-voltage circuit breaker. A static contact is connected with a static contact clamping device which comprises three connecting parts: the left part is of a square structure which has a hole and is connected with a busbar; the right part is of a dual-plate clamping structure which is supported to the middle part, and the static contact is arranged between the dual-plate clamping structure in a revolving mode; the middle part of the static contact clamping device is lower than the left part and the right part; a dynamic contact is connected with a dynamic contact clamping device which comprises a left part and a right part, wherein the left part is of a round head dual-plate clamping structure, and the dynamic contact is arranged between the round head dual-plate clamping structure in a revolving mode; and a square structure of the right part is connected with a heating element which forms an integral structure with an outlet terminal of a tripping system. The whole conducting loop does not have soft connection and welding spots, the cost for

switching on or off is lowered effectively, the temperature rise is lowered, the dynamic and thermal stability is enhanced, and the electric life and the mechanical life are prolonged.

Classifications:

International (IPC 8-9): H01H71/00 H01H71/08 H01H71/14
H01H73/04 (Advanced/Invention);
H01H71/00 H01H71/08 H01H71/12 H01H73/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN101819908 A	20100901	CN201010150433	20100416
CN101819908 B	20120829	CN201010150433	20100416

Priority:

CN201010150433 20100416

Probable Assignee: JIANGSU HUINENG ELECTRIC CO LTD

Assignee(s): (std): JIANGSU HUINENG ELECTRIC CO LTD ; JIANGSU PHONO ELECTRIC CO LTD

Assignee(s): JIANGSU HUINENG ELECTRIC CO

Inventor(s): (std): GAIHONG ZHENG ; HAIYAN ZHANG

Inventor(s): ZHANG HAIYAN ; ZHENG GAIHONG

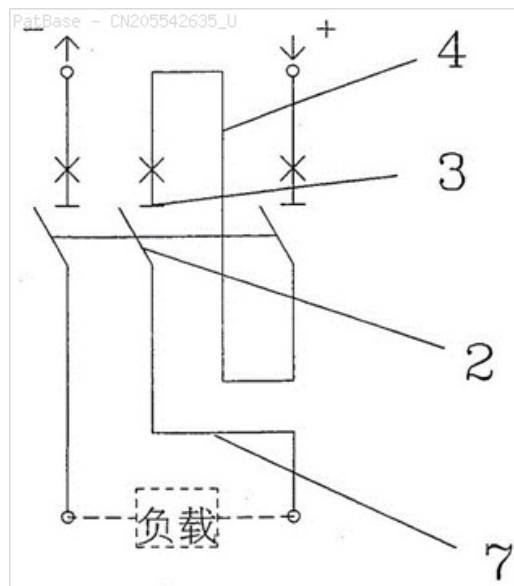
15) Family number: 62768761 (CN205542635U) © PatBase

Title: MULTIBREAK MOULDED CASE CIRCUIT BREAKER

Abstract: The utility model provides a multibreak moulded case circuit breaker, belongs to electrical apparatus technical field. Including an insulating housing who has first ploe and second ploe at least, be provided with in each inside extremely of this insulating housing's base and join in marriage a mated moving contact and a static contact each other to separate each other through the interelectrode partition wall that constitutes on the base between adjacent the two poles of the earth first ploe and second ploe in, one of them utmost point carry out the series connection through the short circuit conductor between the static contact of the moving contact and adjacent one utmost point to this short circuit conductor is in the length direction of interelectrode partition wall follows the interelectrode partition wall set up. Convenience when the embodiment is installed and use avoids increasing the whole volume of circuit breaker, satisfy high operating voltage, high protection characteristic's requirement, conductor and insulating housing simple to operate, improve the fail safe nature that the user used.

Classifications:

International (IPC 8-9): H01H71/02 H01H71/08
H01H71/16 (Advanced/Invention)
CPC: H01H71/02 H01H71/08 H01H71/16



Family:

Publication number	Publication date	Application number	Application date
■ CN105719918 A	20160629	CN201610235189	20160415
■ CN105719918 B	20190621	CN201610235189	20160415
■ CN205542635 U	20160831	CN201620317997U	20160415

Priority:

CN201610235189 20160415 CN201620317997U 20160415

Probable Assignee: CHANGSHU SWITCHGEAR MFG CO LTD

Assignee(s): (std): CHANGSHU SWITCHGEAR MFG CO LTD

Assignee(s): CHANGSHU SWITCH MFG CO LTD CHANGSHU SWITCH FACTORY ; CHANGSHU SWITCHGEAR MFG CO

Inventor(s): (std): GUAN RUILIANG ; CHEN ZHIGANG ; HE PING