

Title (en)
CIRCUIT BREAKER AND EXHAUST STRUCTURE THEREOF

Title (de)
SCHUTZSCHALTER UND ABGASSTRUKTUR DAFÜR

Title (fr)
DISJONCTEUR ET SA STRUCTURE D'ÉCHAPPEMENT

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Application
EP 16861408 A 20160929

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Abstract (en)
A circuit breaker and an exhaust structure thereof. The circuit breaker comprises an exhaust port (101, 102, 103). The exhaust port is aligned with a tail of an arc extinguish chamber (106). An exhaust space of the exhaust port is overlapped with a wiring device (401, 402) of the circuit breaker. When the wiring device is not connected, the wiring device occupies the exhaust space. When the wiring device is connected, the exhaust space is vacated. The exhaust structure of circuit breaker utilizes an unoccupied space of the wiring device, increases the quantity of exhaust ports, expands the exhaust space, thereby significantly improving the exhaust capability. The exhaust structure is also provided with a block protrusion (104) for cutting off an arc. The block protrusion also serves as a support for the arc extinguish chamber, avoiding reduction of the arc extinguish capability due to a shifting of the arc extinguish chamber caused by an impact.

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