

Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTER

Title (fr)
DISJONCTEUR

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Application
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Abstract (en)
The invention has an object of obtaining a circuit breaker comprising a switching mechanism provided with a lubricant superior in heat resistance and oxidation resistance, and capable of being operated stably for a long time. A circuit breaker according to the invention comprises: a switching mechanism (A) accommodated in an insulating case (1) for connecting and disconnecting a movable contact (3) to and from a fixed contact (2); and a trip mechanism (C) provided with an engaging section (B) for engaging with the switching mechanism (A), and disengaging the engaging section (B) upon detecting any excess current on any electric pathway in the circuit so that the movable contact (3) is separated from the fixed contact (2); in which a part of the switching mechanism (A) consists of a material containing iron or iron compound, and sliding portion of the material containing iron or iron compound is provided with a lubricating oil composed of 1 to 5 wt% molybdenum disulfide added to a phenylether oil to which an antioxidant is added. <IMAGE>

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