

Title (en)
CIRCUIT-BREAKER AND BAFFLE THEREOF

Title (de)
LEISTUNGSSCHALTER UND BLENDE DAVON

Title (fr)
DISJONCTEUR ET DÉFLECTEUR ASSOCIÉ

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Application
EP 16858885 A 20160929

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Abstract (en)
[origin: EP3370246A1] A circuit-breaker and a baffle (101) thereof are disclosed. Baffles are provided on both sides of a housing (103) of a circuit-breaker. A baffle on one side is located inside an arc angle (102) of a static contact, and the baffle cuts off a space inside the arc angle of the static contact. The baffles on both sides have a symmetrical structure. The baffle of the present invention can solve the problem that during a process of short-circuit breaking, high-temperature gas returns from a side of the arc angle of the static contact back to a place between a movable contact and the static contact, driving the arc to repeatedly move within an arc channel, resulting in a long breaking time and severe burning of the movable contact and the static contact. The baffle can effectively cut off an airflow and the arc, so that the arc can effectively enter an extinguishing arc chamber for extinguishing. The breaking time is significantly shortened, the breaking effect is better.

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