

Title (en)  
CIRCUIT-BREAKER AND BAFFLE THEREOF

Title (de)  
LEISTUNGSSCHALTER UND BLENDE DAVON

Title (fr)  
DISJONCTEUR ET DÉFLECTEUR ASSOCIÉ

Publication  
**EP 3370246 A1 20180905 (EN)**

Application  
**EP 16858885 A 20160929**

Priority  
• CN 201510728363 A 20151030  
• CN 2016100722 W 20160929

Abstract (en)  
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.

IPC 8 full level  
**H01H 73/18** (2006.01)

CPC (source: CN EP KR RU)  
**H01H 73/18** (2013.01 - CN EP KR RU); **H01H 9/46** (2013.01 - EP); **H01H 2009/305** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3370246 A1 20180905**; **EP 3370246 A4 20190619**; **EP 3370246 B1 20200826**; BR 112018008400 A2 20181023;  
BR 112018008400 B1 20230117; CN 105185671 A 20151223; CN 105185671 B 20190625; KR 20180099634 A 20180905;  
RU 2700790 C1 20190923; WO 2017071449 A1 20170504

DOCDB simple family (application)  
**EP 16858885 A 20160929**; BR 112018008400 A 20160929; CN 201510728363 A 20151030; CN 2016100722 W 20160929;  
KR 20187013723 A 20160929; RU 2018121252 A 20160929