Title (en)

BREAKER

Title (de)

UNTERBRECHER

Title (fr)

RUPTEUR

Publication

EP 1732098 A4 20090513 (EN)

Application

EP 04705910 A 20040128

Priority

JP 2004000759 W 20040128

Abstract (en)

[origin: EP1732098A1] The present invention provides a circuit breaker including a fixed element 3 having a fixed contact point 2, a movable element 5 tilting in a state of being supported by a shaft 7 and having a movable contact point 4 which comes into and out of contact with the fixed contact point 2, and a shunt conductor 10 fixed at one end to a rear end side of the movable element 5 which is opposite from the movable contact point 4 with respect to the shaft 7 and connected at the other end with a terminal 9, and being configured in such a manner that an electromagnetic force generated by a current flowing in the shunt conductor 10 and a magnetic flux excited by the current acts on the movable element 5 so as to cause the movable contact point 4 toward the fixed contact point 2, wherein the length of the movable element 5 on the rear end side is set to a length at least twice a distance between the shaft 7 and the movable contact point 4 in the horizontal direction, and the one end of the shunt conductor 10 is fixed in contact with the rear end side of the movable element 5.

IPC 8 full level

H01H 1/54 (2006.01); **H01H 1/58** (2006.01); **H01H 31/02** (2006.01)

CPC (source: EP)

H01H 1/226 (2013.01); **H01H 1/54** (2013.01); **H01H 1/5822** (2013.01); H01H 9/40 (2013.01)

Citation (search report)

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DE FR

DOCDB simple family (publication)

EP 1732098 A1 20061213; **EP 1732098 A4 20090513**; CN 100359618 C 20080102; CN 1777968 A 20060524; JP 4395134 B2 20100106; JP WO2005073994 A1 20070726; WO 2005073994 A1 20050811

DOCDB simple family (application)

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