Title (en)

OVERCURRENT CIRCUIT BREAKER

Title (de)

ÜBERSTROMSCHUTZSCHALTER

Title (fr)

DISJONCTEUR DE SURINTENSITE

Publication

EP 0862784 A1 19980909 (DE)

Application

EP 97944829 A 19970904

Priority

- DE 29615644 U 19960907
- DE 29615761 U 19960910
- DE 19647716 A 19961119
- EP 9704809 W 19970904

Abstract (en)

[origin: WO9810456A1] An overcurrent circuit breaker is housed in an approximately square housing (1) made of an insulating material and composed of two parts, a chassis (2) and a closure (3). A switching gear which guides the displacement of a contact bridge (13) in a direction parallel to the side walls (4, 5) of the housing parts (2, 3) is arranged between the two parallel side walls (4, 5) of the housing parts (2, 3). The contact bridge extends in a substantially perpendicular direction to the side walls (4, 5), and in the switching-on position is positioned between two contacts (14, 15) fixed to the housing and located on both sides of the plane of displacement of the switching gear. The fixed contacts (14, 15) are flat, similar to knife blades. They lie on the side walls (4, 5) and form contact points (16, 17) with their narrow edges which face the contact bridge (13) like the cutting edge of a knife. The backs (18, 19) of the fixed contacts (14, 15) opposite to the contact points (16, 17) lie on a flank wall (12) of the housing (1). The fixed contacts (14, 15) are thus positioned in a particularly space-saving manner in corners of the housing (1).

IPC 1-7

H01H 73/30; H01H 73/04

IPC 8 full level

H01H 73/04 (2006.01); **H01H 73/30** (2006.01); H01H 71/02 (2006.01)

CPC (source: EP US)

H01H 73/045 (2013.01 - EP US); **H01H 73/306** (2013.01 - EP US); H01H 71/0214 (2013.01 - EP US)

Citation (search report)

See references of WO 9810456A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

WO 9810456 A1 19980312; AT E208956 T1 20011115; CA 2236927 A1 19980312; CA 2236927 C 20050104; DE 29724493 U1 20010830; DE 59705384 D1 20011220; EP 0862784 A1 19980909; EP 0862784 B1 20011114; ID 19307 A 19980702; JP 3364749 B2 20030108; JP H11502367 A 19990223; US 6040747 A 20000321

DOCDB simple family (application)

EP 9704809 W 19970904; AT 97944829 T 19970904; CA 2236927 A 19970904; DE 29724493 U 19970904; DE 59705384 T 19970904; EP 97944829 A 19970904; ID 973125 A 19970908; JP 51224498 A 19970904; US 92504597 A 19970908