

Title (en)
Circuit breaker

Title (de)
Leistungsschalter

Title (fr)
Disjoncteur

Publication
EP 0840340 A3 19981216 (DE)

Application
EP 97810750 A 19971008

Priority
DE 19645524 A 19961105

Abstract (en)
[origin: EP0840340A2] The circuit breaker has a contact arrangement provided with switch members which cannot be burned away. The contact arrangement has a stationary switch member (3) and a switch member (4) which is movable along a central axis (2). It also has an insulating sleeve (6) which concentrically surrounds the switch members (3,4). The insulating sleeve(6) has a narrowed portion (7). The insulating sleeve (6) is structured such that resulting burn out channels (10) run perpendicular to the direction of the electric field force. The plastic is preferably an aliphatic polymer or an aromatic polymer. The aliphatic polymer and/or the aromatic polymer may be a polyamide or polyimide or polysulphate or polyphenylsulphate or a similar polymer or mixture of these.

IPC 1-7
H01H 33/70

IPC 8 full level
C08K 7/00 (2006.01); **C08L 101/00** (2006.01); **H01H 33/70** (2006.01); **H01H 33/78** (2006.01)

CPC (source: EP US)
H01H 33/7023 (2013.01 - EP US); **H01H 33/7076** (2013.01 - EP US); **H01H 33/78** (2013.01 - EP US)

Citation (search report)
• [A] DE 4111932 A1 19921015 - ASEA BROWN BOVERI [CH]
• [A] CH 354139 A 19610515 - OERLIKON MASCHF [CH]

Cited by
FR2869449A1; US7754991B2; WO2005106910A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0840340 A2 19980506; EP 0840340 A3 19981216; CN 1182950 A 19980527; DE 19645524 A1 19980507; JP H10172400 A 19980626; KR 19980041882 A 19980817; US 5925863 A 19990720

DOCDB simple family (application)
EP 97810750 A 19971008; CN 97122441 A 19971105; DE 19645524 A 19961105; JP 30208897 A 19971104; KR 19970047271 A 19970912; US 92124297 A 19970829