

Title (en)  
Circuit breaker

Title (de)  
Leistungsschalter

Title (fr)  
Disjoncteur

Publication  
**EP 0743665 B1 20020918 (DE)**

Application  
**EP 96810265 A 19960425**

Priority  
DE 19517615 A 19950513

Abstract (en)  
[origin: CA2172352A1] This circuit breaker has a cylindrically designed arcing chamber (1), filled with an insulant medium, which has a power current path, arranged in an insulant housing (12) and stretched along a longitudinal axis (2), with a fixed contact arrangement (3) arranged in the power current path, and with a contact arrangement (5) having a moving contact cage (8), both the fixed contact arrangement (3) and the contact arrangement (5) each being provided with a fixed erosion-resistant covering (7, 10). In addition, a blast volume which accumulates the increased pressure of the insulant medium which occurs during a breaking process is provided. The invention is to provide a circuit breaker in which the contact erosion is reduced by simple means. This is achieved in that in the on position, the contact cage (8) surrounds a guide part (4) designed to be electrically insulant, and in that the insulant housing (12) has a shoulder (13) which projects into the region between a first covering (7) and a second covering (10), and in that the two erosion-resistant coverings (7, 10) are arranged concentrically around the region of the moving contact cage (8).

IPC 1-7  
**H01H 33/72**; **H01H 33/98**

IPC 8 full level  
**H01H 33/70** (2006.01); **H01H 33/72** (2006.01); **H01H 33/74** (2006.01); **H01H 33/98** (2006.01); **H01H 33/18** (2006.01)

CPC (source: EP KR US)  
**H01H 33/7015** (2013.01 - EP US); **H01H 73/00** (2013.01 - KR); **H01H 33/18** (2013.01 - EP US); **H01H 33/72** (2013.01 - EP US);  
**H01H 33/982** (2013.01 - EP US)

Designated contracting state (EPC)  
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**DE 19517615 A1 19961114**; BR 9602218 A 19980407; CA 2172352 A1 19961114; CN 1076515 C 20011219; CN 1137160 A 19961204;  
DE 59609674 D1 20021024; EP 0743665 A2 19961120; EP 0743665 A3 19980422; EP 0743665 B1 20020918; JP H08321233 A 19961203;  
KR 100409412 B1 20040409; KR 960042804 A 19961221; US 5844189 A 19981201

DOCDB simple family (application)  
**DE 19517615 A 19950513**; BR 9602218 A 19960510; CA 2172352 A 19960321; CN 96104490 A 19960513; DE 59609674 T 19960425;  
EP 96810265 A 19960425; JP 11675496 A 19960510; KR 19960015252 A 19960509; US 62164196 A 19960326