

Title (en)
Circuit breaker

Title (de)
Leistungsschalter

Title (fr)
Disjoncteur

Publication
EP 0743665 A3 19980422 (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
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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)

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Citation (search report)

- [A] DE 2208035 A1 19730823 - SIEMENS AG
- [A] FR 2368792 A1 19780519 - CEM COMP ELECTRO MEC [FR]
- [A] GB 541235 A 19411119 - REYROLLE A & CO LTD, et al
- [A] EP 0051556 A1 19820512 - SIEMENS AG [DE] & DE 3041083 A1 19820603 - SIEMENS AG [DE]

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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

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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