

Title (en)

ARC RESTRICTING DEVICE FOR A CIRCUIT BREAKER

Publication

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Application

EP 82100646 A 19820129

Priority

- JP 1245281 A 19810129
- JP 1245381 A 19810129
- JP 1245481 A 19810129
- JP 1245581 A 19810129
- JP 1333581 A 19810129
- JP 1333681 A 19810129
- JP 1333781 A 19810129
- JP 1333881 A 19810129

Abstract (en)

[origin: EP0057452A2] This invention provides a novel circuit breaker of good current-limiting performance, and provides arc shields (8, 9) of a predetermined form surrounding contacts (202, 302) of a predetermined form, affixed to the rigid conductors (201, 301) of the contactors (2, 3) of a circuit breaker for opening and closing an electrical circuit, with the object of controlling the crosssectional shape and the length of an arc drawn between the contacts (202, 302) during tripping. The arc shields (8, 9) substantially project beyond the rigid conductors (201, 301) of the contactors (2, 3) in a direction which traverses the arc, and thus metal particles emitted from the contacts (202, 302) are effectively injected into the arc space, whereby the arc voltage is raised.

IPC 1-7

H01H 9/30

IPC 8 full level

H01H 9/30 (2006.01)

CPC (source: EP)

H01H 9/30 (2013.01)

Citation (search report)

- [A] DE 1008383 B 19570516 - SIEMENS AG
- [A] DE 1765999 A1 19711125 - MERLIN GERIN
- [A] US 3166660 A 19650119 - GRIBBLE JOSEPH J
- [A] US 3310649 A 19670321 - HENRY GREBER

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