

Title (en)

ARC RESTRICTING DEVICE FOR A CIRCUIT BREAKER

Publication

**EP 0057452 A3 19820901 (EN)**

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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DOCDB simple family (publication)

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