

Title (en)
CIRCUIT BREAKER WITH ARC GUN

Publication
EP 0359467 A3 19910612 (EN)

Application
EP 89309023 A 19890906

Priority
US 24298288 A 19880912

Abstract (en)
[origin: EP0359467A2] A circuit breaker having an arc impeller characterized by a circuit breaker mechanism having stationary and movable contacts operable between open and closed positions. A U-shaped member has a U-leg on opposite sides of the stationary contact and the U-shaped member is comprised of a ferromagnetic material for providing a magnetic field in a zone perpendicular to the path of current through the closed contacts so as to drive any arc away from the contacts into an adjacent arc extinguisher. A fiber barrier is located adjacent the stationary contacts, which emits arc cooling gas during contact separation.

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H01H 9/46

IPC 8 full level
H01H 9/30 (2006.01); **H01H 9/46** (2006.01); **H01H 33/04** (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP KR)
H01H 9/46 (2013.01 - EP); **H01H 33/08** (2013.01 - KR)

Citation (search report)
• [Y] DE 1009698 B 19570606 - SIEMENS AG
• [Y] FR 78958 E 19621005
• [A] DE 2159756 B1 19730524
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• [A] EP 0033479 A1 19810812 - CGE COMP GEN ELETTROMECC [IT]
• [AD] US 4654491 A 19870331 - MAIER ALFRED E [US], et al

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Designated contracting state (EPC)
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DOCDB simple family (application)
EP 89309023 A 19890906; AU 4012289 A 19890822; BR 8904551 A 19890911; CN 89107060 A 19890911; JP 23550789 A 19890911; KR 890013220 A 19890912; ZA 896375 A 19890821