

Title (en)
Circuit breaker with arc gun.

Title (de)
Lastschalter mit Bogenbeschleuniger.

Title (fr)
Disjoncteur à propulseur d'arc.

Publication
EP 0359467 A2 19900321 (EN)

Application
EP 89309023 A 19890906

Priority
US 24298288 A 19880912

Abstract (en)
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 a cooling gas during contact separation.

IPC 1-7
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)

Cited by
CN102592908A; FR2761194A1; EP2605265A4; JP2017515279A; US10026578B2; WO2015117998A2; US10068732B2; US10431406B2

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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