

Title (en)
ELECTRICAL SWITCH WITH ROTATING ARC

Publication
EP 0146424 B1 19880107 (FR)

Application
EP 84402171 A 19841029

Priority
FR 8317775 A 19831107

Abstract (en)
[origin: EP0146424A1] 1. Self blow-out electric circuit breaker with arc rotation depending on a magnetic field, comprising inside a sealed housing (10), filled with sulphur hexafluoride, an arc formation chamber, in which is arranged a pair of separating contacts (16, 18) and an arc extinguishing chamber in which is arranged a pair of ring-shaped electrodes situated face to face in order to constitute annular tracks (28, 32) for the migration of the arc to be extinguished, and a magnetic blow-out device (34, 56) by rotation of the arc on said annular tracks (28, 32), characterized in that the movable contact of said pair of contacts is extended without discontinuity by an arcing horn (24) extending between the arc formation chamber and the extinguishing chamber and joining with one (28) of said annular tracks, the other annular track (32) being associated with the stationary contact (16), a current supply conductor (23) constituting a blow-out loop of the arc in the direction of the annular tracks (28).

IPC 1-7
H01H 33/18

IPC 8 full level
H01H 33/18 (2006.01)

CPC (source: EP)
H01H 33/18 (2013.01)

Cited by
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EP 0146424 A1 19850626; EP 0146424 B1 19880107; AT E31842 T1 19880115; DE 3468582 D1 19880211; FR 2554631 A1 19850510; FR 2554631 B1 19860905; JP S60115117 A 19850621

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