

Title (en)
CIRCUIT BREAKER WITH MAGNETIC BLOW-OUT MEANS AND ROTATING ARC

Publication
EP 0025375 B1 19840718 (FR)

Application
EP 80401181 A 19800812

Priority
FR 7922151 A 19790903

Abstract (en)
[origin: EP0025375A1] 1. Switch with magnetic blow-out in arc rotation comprising : - a pair of separable contacts (24, 42) each having a ring-shaped electrode forming a rotation track of the root of an arc drawn when said contacts are separated, - a tubular coil (44) coaxial to said electrodes and having a terminal side (52) coupled to one of said ring-shaped electrodes on the opposite side of said track, said coil (44) being electrically connected on the one hand to one of the switch terminals (64, 66), and on the other hand to the coupled electrode so as to be electrically supplied in series of an arc tied on the coupled electrode and to generate a radial magnetic field in the extension zone of said arc. - a conducting ferromagnetic core (38) coaxially extending inside the coil (44) to intensify the magnetic field of the arc blow-out, the front side (50) of the core (38) being adjacent and separated from said coupled electrode by a free gap, characterized in that said core (38) is electrically connected to said coupled electrode.

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H01H 33/18

IPC 8 full level
H01H 33/18 (2006.01)

CPC (source: EP)
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EP 0025375 A1 19810318; EP 0025375 B1 19840718; DE 3068593 D1 19840823; DK 158425 B 19900514; DK 158425 C 19901022; DK 373580 A 19810304; FR 2464550 A1 19810306; FR 2464550 B1 19820205; JP S5636817 A 19810410

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EP 80401181 A 19800812; DE 3068593 T 19800812; DK 373580 A 19800902; FR 7922151 A 19790903; JP 12167980 A 19800901