

Title (en)
SWITCH WITH DOUBLE ROTATING ARC

Publication
EP 0045229 B1 19841227 (FR)

Application
EP 81401079 A 19810706

Priority
FR 8015858 A 19800717

Abstract (en)
[origin: EP0045229A1] 1. Switch with rotating arc having a tight enclosure (10) filled with a high dielectric strength gas, in which are located : - a pair of coaxial separable contacts (36, 18) of which a moving contact (18) sliding in the axial direction to come in separate position, - a blow-out ring-shaped coil (54) disposed to generate a cross magnetic field in the extension zone of the arc drawn when said contacts separate. - at least a ring-shaped electrode (56, 58) inserted in the zone of the arc extension to collect this last one, said electrode being electrically connected to said coil (54) to bring into circuit this last one when the arc is transferred on to the electrode and to submit the arc root to one rotation on the ring-shaped electrode, characterized in that it comprises principal contacts (18, 26') and arc contacts (20, 40), these latter separating during the sliding move of the moving contact (18) after the separation of the principal contacts (18, 26'), and a single coil (54) equipped with a passage aperture of the moving contact (18) and disposed in the separation zone of said arc contacts (20, 40) in separate position, said coil (54) being flanked on both side faces by two ring-shaped electrodes (56, 58) electrically connected to the input and to the output of the coil respectively and facing one (36) and the other of said arc contacts (20, 40) in separate position respectively.

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H01H 33/18

IPC 8 full level
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