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.

IPC 1-7
    H01H 33/18

IPC 8 full level
    H01H 33/18 (2006.01); **H01H 33/64** (2006.01); **H01H 33/98** (2006.01)

CPC (source: EP)
    H01H 33/18 (2013.01); **H01H 33/982** (2013.01)

Citation (examination)
    EP 0002685 A1 19790711 - SIEMENS AG [DE]

Designated contracting state (EPC)
    BE CH DE GB IT LI NL SE

DOCDB simple family (publication)
    EP 0045229 A1 19820203; **EP 0045229 B1 19841227**; DE 3167928 D1 19850207; FR 2487113 A1 19820122; FR 2487113 B1 19830729;
    JP S5732521 A 19820222

DOCDB simple family (application)
    EP 81401079 A 19810706; DE 3167928 T 19810706; FR 8015858 A 19800717; JP 9699381 A 19810622