Title (en)

HIGH-VOLTAGE SWITCH

Publication

EP 0157922 B1 19890308 (DE)

Application

EP 84114953 A 19841208

Priority

CH 54884 A 19840206

Abstract (en)

[origin: US4608470A] Between a fixed contact member (2) having a rated-current contact and a fixed arcing contact (3) which acts in conjunction with a moving contact member (4) having a moving rated-current contact (5) and moving arcing contact (6), and a first flange (7) an insertion resistance (8) is arranged. In order to save a further pair of contacts, the rated-current contact of the fixed contact member (2) is constructed as a sliding rated-current contact (14) which can be displaced in the switching-on direction by the moving contact member (4). During the switching-on process, it is first contacted by the moving rated-current contact (5) which creates a current path including a resistance contact (9) and the insertion resistance (8). A little later, the insertion resistance (8) is bridged when the moving arcing contact (6) comes into contact with the fixed arcing contact (3), which is connected to the first flange (7) by means of a conductor (20). In the further course of the switching-on movement, the sliding rated-current contact (14) runs onto a rated-current bridging contact (19) and establishes a rated-current path. During the switching-off process, a vacuum damping arrangement (17) causes the sliding rated-current contact (14) to trail the moving contact member (4) with delay so that the rated-current contacts separate before the arcing contacts.

IPC 1-7

H01H 33/16

IPC 8 full level

H01H 33/16 (2006.01)

CPC (source: EP US)

H01H 33/166 (2013.01 - EP US)

Cited by

FR2612683A1; EP0461629A1; FR2663456A1; US5164559A; EP0431306A1; FR2654251A1; US5262605A; DE19547098A1; US5814782A; EP0779637A3; EP0560665A1; FR2688624A1; US5302784A; FR2657459A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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