

Title (en)
IMPROVED HIGH-SPEED, MULTI-BREAK ELECTRICAL SWITCH

Publication
EP 0133632 B1 19871021 (EN)

Application
EP 83304589 A 19830809

Priority
EP 83304589 A 19830809

Abstract (en)
[origin: EP0133632A1] An electrical switch (10) includes an alternating series of first and second switch cells. Each first cell (64) includes a first conductive member (67) with a first bore (68) and a first insulative member (71) conformally located in the first bore and movable through the first bore. Each second cell (66) includes a second insulative member (72) with a second bore (73) and a second conductive member (74) conformally located in the second bore and movable through the second bore. The first and second bores have substantially the same cross-section. The cells are mounted end-to-end in the alternating series so that the bores align. Severable metallic members (76) electrically interconnect the second conductive body of each second cell to the first conductive body of both first cells adjacent to the second cell. The first insulative bodies and the second conductive bodies are simultaneously moved to simultaneously sever the metallic members. A plurality of arcs are thereby produced between the first and second conductive bodies of adjacent cells. Additional arcs may be produced by covering the first bore of the first conductive member and the second conductive member with insulative layers.

IPC 1-7
H01H 39/00

IPC 8 full level
H01H 33/14 (2006.01); **H01H 39/00** (2006.01); **H01H 9/10** (2006.01)

CPC (source: EP)
H01H 33/14 (2013.01); **H01H 39/006** (2013.01); **H01H 9/106** (2013.01)

Cited by
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