Title (en)

MEDIUM VOLTAGE SWITCHING DEVICE

Publication

EP 0145994 B1 19890125 (DE)

Application

EP 84114076 A 19841122

Priority

DE 3343099 A 19831129

Abstract (en)

[origin: US4578550A] An electrical, medium voltage, switching mechanism which includes a casing having an insulating material filling. In the casing, between a cable connection and a bus bar, a change-over switch, which can alternately switch between a phase contact and a ground contact, follows a load disconnector which is in the form of a vacuum switching tube. An axially displaceable shaft is provided which is displaceable relative to the load disconnector and is rotatable relative to the change-over switch. The bus bar passes through an insulator at right angles thereto. The associated through passage in the insulator is widened into a slot, the length of which permits the switching movements of the load disconnector. The insulator is divided into an insulator core and an insulator casing which is rotatably mounted on the insulator core. In the region of the insulator casing, the through passage is further widened into two sector windows which have an angular aperture which permits the switching movements of the rotary contact of the change-over switch. As a result, the switching mechanism has a structural form which at high operational reliability requires little space, is economical to manufacture, and can be serviced in a time saving manner.

IPC 1-7

H02B 13/02

IPC 8 full level

H01H 33/666 (2006.01); **H02B 13/02** (2006.01); H01H 31/00 (2006.01)

CPC (source: EP US)

H01H 33/6661 (2013.01 - EP US); H01H 31/003 (2013.01 - EP US)

Cited by

DE4126786A1; EP0843330A3

Designated contracting state (EPC)

AT CH FR GB IT LI NL SE

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EP 0145994 A2 19850626; **EP 0145994 A3 19861008**; **EP 0145994 B1 19890125**; AT E40497 T1 19890215; DE 3343099 A1 19850605; DE 3343099 C2 19860130; US 4578550 A 19860325

DOCDB simple family (application)

EP 84114076 A 19841122; AT 84114076 T 19841122; DE 3343099 A 19831129; US 67607084 A 19841129