

Title (en)

Switching mechanism for low tension switchgear.

Title (de)

Schaltmechanismus für Niederspannungsschaltgeräte.

Title (fr)

Mécanisme de commande pour appareils industriels à basse tension.

Publication

EP 0454963 B1 19940525 (DE)

Application

EP 91102890 A 19910228

Priority

- DE 4013840 A 19900430
- DE 9004883 U 19900430

Abstract (en)

[origin: EP0454963A1] The aim exists to reduce the size of low-tension switchgears, but on the other hand it is intended to improve the switching power. New requirements now demand that the contacts of the low-tension switchgears close more quickly in order to achieve a small amount of contact erosion and hence a longer life of the low-tension switchgears. The invention indicates a means by which a switching mechanism is produced with only a few individual parts, a bell crank system 2, 3, 4 drives a contact shaft 6 via a switching lever 1, a locking device 9, 10, 11 initially locks the contacts 7, 8 shortly before touching, and, in the case of further operation of the switching lever 1, switches on suddenly, and a trip device 14, 16, 18 opens the contacts 7, 8 in the case of a fault current. Such a switching mechanism can be used in low-tension switchgears, preferably in fault-current protection switches. <IMAGE>

IPC 1-7

H01H 5/04; **H01H 21/40**

IPC 8 full level

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CPC (source: EP)

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Designated contracting state (EPC)

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