

Title (en)

ELECTROMAGNETIC SWITCHING MECHANISM FOR ELECTRICAL SAFETY SWITCHES

Title (de)

ELEKTROMAGNETISCHER SCHALTMECHANISMUS FÜR ELEKTRISCHE SCHUTZSCHALTGERÄTE

Title (fr)

MECANISME DE COMMUTATION ELECTROMAGNETIQUE POUR APPAREILS ELECTRIQUES DE COMMUTATION DE PROTECTION

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Application

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Abstract (en)

[origin: WO9424689A1] The invention relates to an electromagnetic switching mechanism, especially for mobile electrical safety switches with manual, electromagnetic and free triggering of the breaking of the contact. It makes it possible to construct such a switching mechanism compactly as a structural unit suitable for inclusion in small protective switches. The switching mechanism has a tensioner (4) which operates in conjunction with the armature (9) of an electromagnet (12), a contact bearer (14) for the switch contacts (21) actuated by a switching spring (24) and a rotatable actuating lever (2a) and is arranged in such a way that it can be pivoted about an axis (A) on the actuating lever (2a) from the "on" position under the pressure of the switching spring (24) and on the breaking of the armature (9) of the electromagnet (12) and, when the actuating lever (2a) is rotated with the armature (9) applied to the electromagnet (12) about an actuating component (13) of the contact bearer (14) in the "off" position, can be pivoted from this position into the "on" position by counter-rotating the actuating lever (2a) and shifting the operating component (13) against the force of the switching spring (24).

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