

Title (en)

Method and device to free contacts in timers employing rotary disks.

Title (de)

Verfahren und Vorrichtung zum Aufbrechen von Kontakten in Zeitschaltwerken mit rotierenden Programmscheiben.

Title (fr)

Méthode et dispositif pour ouvrir les contacts dans des minuteriers employants des disques rotatifs.

Publication

EP 0440857 A1 19910814 (EN)

Application

EP 90102474 A 19900208

Priority

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Abstract (en)

Method and device to free contacts in timers employing rotary disks that bear the required programme substantially on their circumferential periphery, a movable contact (20) having one end operating continuously on a common contact (24) and having its other end cooperating with a first transit contact (25) or with a second transit contact (26), the movable contact (20) being actuated by the periphery of the rotary timer disks (23) which acts on a feeler element (35) of a lever (21) able to rotate about a rotation pivot (22), a spring (27) being located between the movable contact (20) and the lever (21) and imparting to the movable contact (20) a lateral traversing movement (29) and a lengthwise traversing movement (30), in which method when the spring (27) cannot actuate the movable contact (20) owing to adherence of the latter (20) to the first transit contact (25), a second abutment (41) included on the movable contact (20) acts on the lever (21), which comprises a second inclined surface (39) having an angle of inclination " beta ", the second inclined surface (39) inducing in the movable contact (20) a lengthwise traversing movement (30), which also displaces the movable contact (20) sideways and thus breaks the adherence of the same (20) and restores the resilient action of the spring (27).

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IPC 8 full level

H01H 3/00 (2006.01); **H01H 43/02** (2006.01)

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H01H 3/001 (2013.01); **H01H 43/026** (2013.01)

Citation (search report)

- [A] DE 3415539 A1 19851107 - LICENTIA GMBH [DE]
- [A] GB 2091042 A 19820721 - CARPANO & PONS
- [A] US 3243548 A 19660329 - KJELLMAN THOMAS K, et al

Cited by

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Designated contracting state (EPC)

DE ES FR

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