

Title (en)

TRIGGERING UNIT FOR ACTUATING A MECHANICAL SWITCHING UNIT OF A DEVICE

Title (de)

AUSLÖSEEINHEIT ZUM BETÄTIGEN EINER MECHANISCHEN SCHALTEINHEIT EINER VORRICHTUNG

Title (fr)

UNITÉ DE DÉCLENCHEMENT POUR ACTIONNER UNE UNITÉ DE COMMUTATION MÉCANIQUE D'UN DISPOSITIF

Publication

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Application

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Abstract (en)

[origin: WO2013092067A1] The invention relates to a triggering unit for actuating a mechanical switching unit of a device for the interruption of a supply chain of a consumer. In order to provide an improved triggering unit for a mechanical switching unit, it is recommended that the triggering unit comprises a tappet (1) having a moving bearing, a power accumulator (2), a holding device (3) and a printed circuit board coil (4), wherein the triggering unit can assume a triggered status and a normal status, wherein the tappet (1) is in a first stop position in the triggered state and in a second stop position opposite the first stop position in the normal state, wherein in the normal state the first power accumulator (2) acts upon the tappet (1) with a power accumulator force (F1) in the direction of the first stop position and the holding means (3) holds the tappet (1) with a holding force (F2) in the second stop position, wherein a printed circuit board coil force can be generated by an activation of the printed circuit board coil (4), wherein the power accumulator (2), the holding means (3) and the printed circuit board coil (4) are formed such that the tappet (1) rests in the second stop position in the inactive state of the printed circuit board coil (4) and through an activation of the printed circuit board coil (4) the tappet (1) assumes the first stop position such that the triggered status is given.

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