

Title (en)
Switch with a trip device

Title (de)
Schalter mit Auslöseeinrichtung

Title (fr)
Interrupteur muni d'un dispositif de déclenchement

Publication
EP 1383150 B1 20110504 (FR)

Application
EP 03354049 A 20030602

Priority
FR 0209054 A 20020717

Abstract (en)
[origin: EP1383150A1] The device has a disengageable transmission drive train (54) which can be moved between an engaged state and a disengaged state. Movement transmission between a bistable sub-arrangement (22) and a movable contact (10) is ensured when the drive train is in the engaged state, so that when the sub-arrangement is in the open position, the contact is in the separation position, whilst when the sub-arrangement is in the closed position, the contact is in the contact position. The contact becomes independent from the sub-arrangement when the drive train is in the disengaged state. The disconnection mechanism comprises a support (21), a contact which is movable relative to the support between separation and contact positions and a bistable sub-arrangement cooperating with a spring accumulator (20) so that the sub-arrangement is pivoted between open and closed positions. The spring is tensioned as the sub-arrangement approaches an intermediate dead point between its open and closed positions and then relaxes as it moves away from this dead point, causing the sub-arrangement to become spring-loaded.

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