

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.

IPC 8 full level

**H01H 71/52** (2006.01)

CPC (source: EP)

**H01H 71/52** (2013.01)

Designated contracting state (EPC)

BE DE ES GB IT PT

DOCDB simple family (publication)

**EP 1383150 A1 20040121; EP 1383150 B1 20110504**; CN 1263062 C 20060705; CN 1479331 A 20040303; DE 60336964 D1 20110616; ES 2361982 T3 20110624; FR 2842645 A1 20040123; FR 2842645 B1 20040910; HU 0302180 D0 20030929; HU P0302180 A2 20040428; HU P0302180 A3 20040528; NO 20033109 D0 20030707; NO 324224 B1 20070910; PL 204998 B1 20100226; PL 361298 A1 20040126

DOCDB simple family (application)

**EP 03354049 A 20030602**; CN 03145881 A 20030717; DE 60336964 T 20030602; ES 03354049 T 20030602; FR 0209054 A 20020717; HU P0302180 A 20030711; NO 20033109 A 20030707; PL 36129803 A 20030716