Title (en)

SWITCH, IN PARTICULAR LOW VOLTAGE CIRCUIT BREAKER

Title (de)

SCHALTER, INSBESONDERE LEISTUNGSSCHALTER FÜR NIEDERSPANNUNGEN

Title (fr)

COMMUTATEUR EN PARTICULIER DISJONCTEUR POUR BASSE TENSION

Publication

**EP 2497100 B1 20150527 (DE)**

Application

**EP 10766032 A 20101012**

Priority

• DE 102009053163 A 20091103
• EP 2010065265 W 20101012

Abstract (en)

[origin: WO2011054629A1] The invention relates to a switch (1), in particular a power switch for low voltages, comprising a handle (2) for activation and deactivation, an actuating device (3) arranged on the side of the handle (2) on the switch (1), said device at least activating the switch (1), in particular in a remote-controlled manner by means of electric control signals, wherein the actuating device (3) comprises a motor drive (8), which tensions a spring (4a or 5a) held in a tensioned state by latching by means of a gear (10), which actuates a mechanical system, and wherein the latching unlatches to actuate the handle (2) and the handle (2) is pivoted by the relaxing spring (4a or 5a) by means of an actuating element (38a, 39a). In order to be able to reactivate the switch relatively quickly after deactivation, according to the invention a spring pair (4, 5) is provided each for activation and deactivation, and the two spring pairs (4, 5) are each connected to one another by a bridge (24, 25). The spring pairs (4, 5) are supported on the sides of the bridges (24, 25) facing away from each other, the two bridges (24, 25) are arranged, with the spring pairs (4, 5) thereof, nested within each other and displaceable with respect to each other. The bridges (24, 25) facing each other are pressed apart from one another to tension the spring pairs (4, 5), and an actuation element (39a) is arranged on the one bridge (25) for activation and an actuation element (38a) is arranged on the other bridge (24) for deactivation.

IPC 8 full level

**H01H 71/70** (2006.01)

CPC (source: EP US)

**H01H 71/70** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102009053163 A1 20110505**; CN 102576631 A 20120711; CN 102576631 B 20150408; EP 2497100 A1 20120912; EP 2497100 B1 20150527; US 2013001057 A1 20130103; US 8835786 B2 20140916; WO 2011054629 A1 20110512

DOCDB simple family (application)

**DE 102009053163 A 20091103**; CN 201080049764 A 20101012; EP 10766032 A 20101012; EP 2010065265 W 20101012; US 201013505629 A 20101012