

Title (en)
SWITCH

Title (de)
SCHALTER

Title (fr)
COMMUTATEUR

Publication
EP 1110230 A1 20010627 (DE)

Application
EP 99944361 A 19990809

Priority
• DE 19841685 A 19980911
• EP 9905829 W 19990809

Abstract (en)
[origin: WO0016358A1] The invention relates to a switch fitted with an actuating lever (13) that may be actuated by an actuating handle (17) which engages in a toggle joint (6, 7) by means of a moving spring (18) that produces interaction between a switching shaft (3) for actuating a contact (1) and a ratchet lever (10) for controlling disconnection in case of an overload. The switch also has a catch lever (20) interacting with the actuating lever (13), which prevents the actuating handle (13) from moving to disconnecting position when the contact (1) is blocked, wherein the catch lever (20) can be automatically brought to a catch position in relation to the actuating lever by rotating the switch shaft (3) when the contact (1) closes.

IPC 1-7
H01H 71/50

IPC 8 full level
H01H 71/50 (2006.01); **H01H 71/12** (2006.01); **H01H 71/64** (2006.01); **H01H 71/52** (2006.01)

CPC (source: EP)
H01H 71/501 (2013.01); **H01H 1/2041** (2013.01); **H01H 71/525** (2013.01); **H01H 71/64** (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0016358 A1 20000323; AU 5732599 A 20000403; CN 1208799 C 20050629; CN 1319241 A 20011024; DE 19841685 A1 20000330; DE 19841685 C2 20021031; EP 1110230 A1 20010627; EP 1110230 B1 20020626; HU 223108 B1 20040329; HU P0103736 A2 20020529; JP 2002525796 A 20020813; JP 4321965 B2 20090826; TW 493190 B 20020701

DOCDB simple family (application)
EP 9905829 W 19990809; AU 5732599 A 19990809; CN 99810718 A 19990809; DE 19841685 A 19980911; EP 99944361 A 19990809; HU P0103736 A 19990809; JP 2000570802 A 19990809; TW 88115646 A 19990910