

Title (en)
PROTECTED SWITCH

Title (de)
GESCHÜTZTER SCHALTER

Title (fr)
INTERRUPTEUR SÉCURISÉ

Publication
EP 4088294 B1 20240424 (FR)

Application
EP 20719471 A 20200423

Priority
• FR 1904314 A 20190424
• EP 2020061302 W 20200423

Abstract (en)
[origin: WO2020216825A1] A protected switch (1) comprises first (10) and second (11) electromechanical relays with guided contacts, each including an electromagnet (101, 111) and electrical contacts (102, 103, 104, 105, 112, 113, 114). A first contact (105) of the first relay (10) and a first contact (114) of the second relay (11) are connected in series in order to form a switching circuit (2). The switch (1) further comprises an interconnection circuit (13) which connects at least a portion of the other electrical contacts of the first and second relays (10, 11). The excitation of the first electromagnet (101) is conditional on the state of the second relay (11) and the excitation of the second electromagnet (111) is conditional on the state of the first relay (10).

IPC 8 full level
H01H 3/00 (2006.01); **H01H 47/00** (2006.01)

CPC (source: EP US)
H01H 3/001 (2013.01 - EP); **H01H 47/002** (2013.01 - US); **H01H 47/004** (2013.01 - EP); **H01H 47/005** (2013.01 - EP); **H01H 50/54** (2013.01 - US)

Designated contracting state (EPC)
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