

Title (en)
MULTIPOLE LINEAL SWITCH

Title (de)
LINEARER MEHRPOLIGER SCHALTER

Title (fr)
COMMUTATEUR LINÉAIRE MULTI-PÔLE

Publication
EP 3073501 A1 20160928 (EN)

Application
EP 15382143 A 20150325

Priority
EP 15382143 A 20150325

Abstract (en)
The invention refers to a multi-pole electric switch device operated by a rectilinearly-movable actuator (5) for alternatively opening and closing the electric connection of the poles of the switch. Each pole (2, 3 or 4) of the switch is formed by a movable contact (2b, 3b or 4b) and two fixed contacts (2a, 2c or 3a, 3c or 4a, 4c), wherein the movable contacts are formed as a single-plate contacts having upper and lower surfaces, such as in the closed position of the switch, only the upper or the lower surface of each of the movable single-plate contacts, is contacted by its associated fixed contacts of the first and the second group. The relative position between the movable contact and the fixed contacts of a pole of the switch, alternate from one pole to the adjacent ones. The switch is cheaper and easier to manufacture, and at the same time is capable of more efficiently quenching electric arcs originated during transient current interruption and closing operations.

IPC 8 full level
H01H 15/04 (2006.01); **H01H 9/40** (2006.01); **H01H 15/06** (2006.01); **H01H 1/36** (2006.01); **H01H 1/44** (2006.01); **H01H 1/58** (2006.01)

CPC (source: EP)
H01H 9/40 (2013.01); **H01H 15/04** (2013.01); **H01H 15/06** (2013.01); **H01H 1/365** (2013.01); **H01H 1/44** (2013.01); **H01H 1/58** (2013.01)

Citation (applicant)
EP 2667394 A1 20131127 - GORLAN TEAM SLU [ES]

Citation (search report)
• [AD] EP 2667394 A1 20131127 - GORLAN TEAM SLU [ES]
• [A] US 4778961 A 19881018 - M SADOQUES ANDRE J [US], et al

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3073501 A1 20160928; EP 3073501 B1 20170510; ES 2637193 T3 20171011; WO 2016151175 A1 20160929

DOCDB simple family (application)
EP 15382143 A 20150325; ES 15382143 T 20150325; ES 2016070201 W 20160322