

Title (en)
Selector switch and method of operating a selector switch

Title (de)
Auswahlschalter und Verfahren zum Betrieb eines Auswahlschalters

Title (fr)
Commutateur de sélection et son procédé de fonctionnement

Publication
EP 2261935 A1 20101215 (EN)

Application
EP 09162444 A 20090610

Priority
EP 09162444 A 20090610

Abstract (en)
A selector switch for switching taps of a transformer comprises a switching shaft insert (11) including two switch contacts (12) and a network terminal contact (13). Fixed step contacts (14) are circumferentially arranged on a cylinder (22) provided around the switching shaft insert, the fixed step contacts being connected to taps of the transformer. A respective vacuum switch (15) is connected between each of the switch contacts and the network terminal contact, a cam structure (23) is circumferentially arranged on the inner surface of the cylinder, and the switching shaft insert comprises further, for each of the vacuum switches, a radially movable lever (24) provided in its outer end with a cam follower (25) arranged to follow the cam structure. Each pair of the levers and vacuum switches comprises structural elements (26, 27) in mutual engagement with one another which force the vacuum switch to be actuated axially by means of the lever being moved radially.

IPC 8 full level
H01H 9/00 (2006.01)

CPC (source: EP)
H01H 9/0038 (2013.01)

Citation (applicant)
US 4978815 A 19901218 - BERGER SIEGBERT [DE], et al

Citation (search report)
• [X] DE 19821775 C1 19991014 - REINHAUSEN MASCHF SCHEUBECK [DE]
• [X] US 3581188 A 19710525 - WATANABE RYOZI, et al
• [X] EP 0355814 A2 19900228 - AICHI ELECTRIC CO LTD [JP]
• [X] GB 1293060 A 19721018 - SCHEUBECK EGON [DE]
• [DA] US 4978815 A 19901218 - BERGER SIEGBERT [DE], et al

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WO2022089809A1; CN116134574A; CN111192771A; CN106796850A; RU2699820C2; EP3989253A1; US10460884B2; US10955802B2; WO2016034439A1; WO2020040852A1; WO2022089784A1; US11942293B2

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2261935 A1 20101215; BR PI1012952 A2 20180116; CN 102460623 A 20120516; CN 102460623 B 20150930; EP 2441079 A1 20120418; EP 2441079 B1 20141203; WO 2010142680 A1 20101216

DOCDB simple family (application)
EP 09162444 A 20090610; BR PI1012952 A 20100608; CN 201080026199 A 20100608; EP 10724819 A 20100608; EP 2010058011 W 20100608