

Title (en)
A MEDIUM VOLTAGE SWITCHING APPARATUS

Title (de)
MITTELSPANNUNGSSCHALTVORRICHTUNG

Title (fr)
APPAREIL DE COMMUTATION MOYENNE TENSION

Publication
EP 4030455 A1 20220720 (EN)

Application
EP 21151587 A 20210114

Priority
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Abstract (en)
A switching apparatus for medium voltage electric systems, said switching apparatus comprising one or more electric poles, wherein, for each electric pole, said switching apparatus comprises:- a first pole terminal, a second pole terminal and a ground terminal, said first pole terminal being electrically couplable with a first conductor of an electric line, said second pole terminal being electrically couplable to a second conductor of said electric line and said ground terminal being electrically couplable to a grounding conductor;- a first contact arrangement including a first fixed contact member and a first movable contact member, said first fixed contact member being electrically connected to said first pole terminal and including a first fixed contact, said first movable contact member being electrically connected to said second pole terminal and including a first movable contact, said first movable contact member being reversibly movable along a translation axis, so that said first movable contact can be coupled with or decoupled from said first fixed contact;- a second contact arrangement including a second fixed contact member and a second movable contact member, said second fixed contact member being electrically connected to said ground terminal and including a second fixed contact, said second movable contact member being electrically connected to said second pole terminal and including a second movable contact, said second movable contact member being reversibly movable about a corresponding rotation axis, so that said second movable contact can be coupled to or decoupled from said second fixed contact;- an actuation assembly for actuating the first and second movable contact members of each electric pole during a switching manoeuvre of said switching apparatus, said actuation assembly including an actuation shaft reversibly movable about a corresponding rotation axis;- a motion transmission assembly for transmitting mechanical forces provided by said actuation shaft to the first and second movable contact members of each electric pole.

IPC 8 full level
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Citation (search report)
• [XYI] EP 1538650 A2 20050608 - VEI POWER DISTRIB S P A [IT]
• [XYI] US 2013248338 A1 20130926 - BELLONI FRANCESCO [IT], et al
• [YA] CN 201084615 Y 20080709 - MINGHOU LIAO [CN]
• [YA] US 2017047179 A1 20170216 - CHENG DANIEL-JUN [CN], 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)
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