

Title (en)
A MEDIUM VOLTAGE SWITCHING APPARATUS

Title (de)
MITTELSPANNUNGSSCHALTVORRICHTUNG

Title (fr)
APPAREIL DE COMMUTATION MOYENNE TENSION

Publication
EP 4276872 A1 20231115 (EN)

Application
EP 22173047 A 20220512

Priority
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Abstract (en)
A switching apparatus comprising one or more electric poles. For each electric pole, the switching apparatus comprises a first pole terminal, a second pole terminal and a ground terminal. In operation, the first pole terminal can be electrically coupled to a first conductor of an electric line, the second pole terminal can be electrically coupled to a second conductor of said electric line and the ground terminal can be electrically coupled to a grounding conductor. For each electric pole, the switching apparatus comprises a plurality of fixed contacts spaced apart one from another. Such a plurality of fixed contacts comprises a first fixed contact electrically connected to the first pole terminal, a second fixed contact electrically connected to the second pole terminal, a third fixed contact electrically connected to the ground terminal and a fourth fixed contact electrically connectable with the second fixed contact. For each electric pole, the switching apparatus further comprises a movable contact, which is reversibly movable about a corresponding rotation axis according to opposite first and second rotation directions, so that said movable contact can be coupled to or uncoupled from one or more of the above-mentioned fixed contacts, and a vacuum interrupter comprising a vacuum chamber, in which a fixed arc contact and a movable arc contact are enclosed and can be coupled or decoupled. For each electric pole, the switching apparatus further comprises a motion transmission mechanism operatively coupled to the movable arc contact of said vacuum interrupter. The motion transmission mechanism is actuatable by the movable contact to cause a movement of said movable arc contact along said translation axis, when said movable contact moves about said rotation axis.

IPC 8 full level
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- [Y] US 2012187090 A1 20120726 - GROSJEAN PATRICE [FR]
- [Y] US 2954450 A 19600927 - MIKOS JOHN J
- [Y] CN 1148255 A 19970423 - FELTEN & GUILLEAUME ENERGIE [DE]

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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