

Title (en)

A medium-voltage vacuum circuit breaker and a related medium-voltage switchboard

Title (de)

Mittelspannungsleistungsschalter und Wandelement

Title (fr)

Interrupteur à moyenne tension et panneau

Publication

EP 1772883 B1 20081126 (EN)

Application

EP 05077252 A 20051004

Priority

EP 05077252 A 20051004

Abstract (en)

[origin: EP1772883A1] A medium-voltage vacuum circuit breaker (100) comprising: - a plurality of interruption poles (1) each having two connection terminals, and a vacuum envelope (4) which contains a fixed contact and a mobile contact electrically coupled each to a corresponding terminal; - an operating mechanism (200) which has a front panel (7) and is suitable to supply actuating energy for moving the mobile contacts of the interruption poles between a circuit breaker closed position where they are each electrically coupled with the corresponding fixed contact and a circuit breaker open position where they are disengaged therefrom; - means (300) for transmitting the actuating energy from the operating mechanism to the mobile contacts; characterized in that each interruption pole comprises an insulating box delimiting an internal free volume which accommodates a corresponding vacuum envelope, said interruption poles being aligned each other and being arranged so as the respective mobile contacts are movable, during actuation, along a substantial vertical axis, with the vertical axes of the interruption poles lying in a common vertical plane which is substantially perpendicular to the front panel, and in that said transmission means are positioned on a side of the aligned interruption poles.

IPC 8 full level

H01H 33/66 (2006.01)

CPC (source: EP)

H01H 33/666 (2013.01); **H01H 2033/6665** (2013.01)

Cited by

CN113991501A; DE102008048828A1; AU2013201093B2; US11430615B2; WO2020159716A1; WO2013075931A1; EP2341519A1

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