

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 A1 20070411 (EN)**

Application  
**EP 05077252 A 20051004**

Priority  
EP 05077252 A 20051004

Abstract (en)  
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)

Citation (search report)  
• [XY] EP 0758138 A1 19970212 - GEC ALSTHOM T & D SA [FR]  
• [Y] US 3895199 A 19750715 - FREWE WOLFGANG, et al  
• [A] US 4336520 A 19820622 - TRAYER FRANK C  
• [Y] US 3898407 A 19750805 - HODGSON ALFRED W  
• [Y] JP S6277806 A 19870410 - TOSHIBA CORP

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

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

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**EP 1772883 A1 20070411; EP 1772883 B1 20081126**; AT E415696 T1 20081215; DE 602005011297 D1 20090108

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**EP 05077252 A 20051004**; AT 05077252 T 20051004; DE 602005011297 T 20051004