

Title (en)  
HIGH-VOLTAGE SWITCHING UNIT

Title (de)  
HOCHSPANNUNGSSCHALTVORRICHTUNG

Title (fr)  
DISPOSITIF DE COMMUTATION HAUTE TENSION

Publication  
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Application  
**EP 11727691 A 20110621**

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Abstract (en)  
[origin: WO2011161121A1] The invention relates to a high-voltage switching unit for switching electrical contacts (9, 10, 11) of a conductor, comprising an isolating switch element (5, 12, 12a) having a first isolating contact element (5, 12), which can be moved with a component (5) by means of a drive, and at least one second isolating contact element (12a), which can be brought in electrical contact with the first isolating contact element (5, 12) by moving same, and further comprising a load switch element (14) having a first and a second load contact element (13, 15), which are disposed in a medium for quenching and/or preventing a switch arc, wherein the first isolating contact element (5, 12) is designed such that, during a movement thereof triggered by the drive, it effects a movement of the first load contact element (13) for closing or opening the load switch element (14) relative to the second load contact element (15). The high-voltage switching unit is characterized in that the first isolating contact element (5, 12) comprises a metal rail (5), which is disposed on a rotatable disk connected to the drive by means of a rotational axis, and a first sliding contact (12), which is connected to a contact conductor (9, 10) and can engage on the metal rail (5), or is disconnected therefrom, depending on the rotational angle position of the disk (3). Such a high-voltage switching device can be switched particularly easily, and a plurality of such high-voltage switching devices can be switched by a common drive.

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