

Title (en)
HIGH VOLTAGE SWITCHING APPARATUS AND SWITCHGEAR USING A HIGH VOLTAGE SWITCHING APPARATUS AND METHOD FOR PRODUCING A HIGH VOLTAGE SWITCHING APPARATUS

Title (de)
HOCHSPANNUNGS-SCHALTGERÄT UND SCHALTANLAGE MIT EINEM HOCHSPANNUNGS-SCHALTGERÄT UND VERFAHREN ZUR HERSTELLUNG EINES HOCHSPANNUNGS-SCHALTGERÄTES

Title (fr)
APPAREIL DE COMMUTATION HAUTE TENSION ET INSTALLATION DE COMMUTATION COMPRENANT UN APPAREIL DE COMMUTATION HAUTE TENSION ET PROCEDE DE PRODUCTION D'UN APPAREIL DE COMMUTATION HAUTE TENSION

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Priority
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Abstract (en)
[origin: WO2018054849A1] The invention relates to a high-voltage switching device with a vacuum interrupter chamber and to a switching system with a high-voltage switching device. The invention also relates to a method for producing a high-voltage switching device with a vacuum interrupter chamber. The high-voltage switching device has a housing body (1) in which a vacuum interrupter chamber (2) is provided. The vacuum interrupter chamber (2) has a stationary switch contact element (4) and a switch contact element (5) which is movable in the axial direction, the movable switch contact element (5) extending out of the vacuum interrupter chamber (2) and being connected via an insulating body (7) to an actuating member (8) which is movable in the axial direction. The conductor parts (12, 13, 14) forming the current path are connected to the stationary switch contact element (4) and the movable switch contact element (5). In the high-voltage switching device according to the invention, a cavity (22) filled with an insulating liquid is formed in the housing body (1), the movable switch contact element (5) extending out of the vacuum interrupter chamber (2) into the cavity (22), and the actuating member (8) in turn extending out of the cavity (22) filled with insulating liquid. The high-voltage switching device is distinguished in that a sealing assembly (10), which seals the actuating member (8) with respect to the housing body (1), is provided in the cavity (22) filled with insulating liquid. This ensures reliable interruption of the load current and of the short-circuit current with a relatively short insulation portion. As a result, the high-voltage switching device can have a compact structure.

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