

Title (en)
DC VOLTAGE SWITCHING DEVICE

Title (de)
GLEICHSTROMSCHALTGERÄT

Title (fr)
DISPOSITIF DE COMMUTATION À COURANT CONTINU

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Abstract (en)
[origin: WO2014068054A1] The invention relates to a DC voltage switching device (1) comprising at least one electric input (2), at least one electric output (3), at least one first switch contact (4), and a movable switching bridge (20). The DC voltage switching device (1) further has an arc extinguishing arrangement (6), said arc extinguishing arrangement (6) having at least one first arc extinguishing chamber (7) which has a plurality of extinguishing sheets (9). According to the invention, at least one first extinguishing sheet (27) of the extinguishing sheets (9) is shaped, in particular curved, such that a Lorentz force (12) acts on arcs (11) caused by a switching process in the direction of the extinguishing sheets (9) in the first arc extinguishing chamber (7).

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