

Title (en)
DC SWITCHGEAR

Title (de)
GLEICHSTROMSCHALTGERÄT

Title (fr)
DISPOSITIF DE COMMUTATION À COURANT CONTINU

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Application
EP 13805278 A 20131031

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Abstract (en)
[origin: WO2014068053A1] The invention relates to a DC switchgear (1) with at least one electrical input (2) and at least one electrical output (3), and with at least one first switching contact (4), a second switching contact (5) and a mobile jumper (20), a current path being electrically conductive from the input (2) to the output (3) when the first switching contact (4) and the second switching contact (5) are conductively connected by means of the jumper (20), the DC switchgear (1) further comprising an arc extinguishing assembly (6). According to the invention, the arc extinguishing assembly (6) comprises a first arc extinguishing chamber (7) and a second arc extinguishing chamber (8), each comprising a plurality of extinguishing plates (9). The DC switchgear (1) further comprises a magnet array (10) which is configured such that a Lorentz force (12) acts upon arcs (11), which are caused by a switching process, in the first arc extinguishing chamber (7) and in the second arc extinguishing chamber (8) in the direction of the extinguishing plates (9).

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