

Title (en)
SWITCH DISCONNECTOR FOR GALVANIC DIRECT CURRENT INTERRUPTION

Title (de)
TRENNSCHALTER ZUR GALVANISCHEN GLEICHSTROMUNTERBRECHUNG

Title (fr)
DISJONCTEUR POUR L'INTERRUPTION GALVANIQUE DU COURANT CONTINU

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Application
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Abstract (en)
[origin: CA2752895A1] The invention relates to a disconnecting apparatus (1) for direct current interruption between a direct current source (2) and an electrical device (3), in particular between a photovoltaic generator and an inverter, with a current-conducting mechanical switching contact (7a, 7b) and with semiconductor electronics (8) connected in parallel with the switching contact (7a, 7b). The semiconductor electronics (8) are non-conducting when the switching contact (7a, 7b) is closed, wherein a control input (15) of the semiconductor electronics (8) is wired with the switching contact (7a, 7b) in such a way that, when the switching contact (7a, 7b) opens, an arc voltage (ULB) generated as a result of an arc (LB) via the switching contact (7a, 7b) switches the semiconductor electronics (8) to be conducting.

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