

Title (en)

OPERATION OF A DIRECT CURRENT CIRCUIT BREAKING DEVICE

Title (de)

BETRIEB EINES GLEICHSTROMSCHUTZSCHALTERS

Title (fr)

FONCTIONNEMENT D'UN DISPOSITIF DE COUPURE DE CIRCUIT À COURANT CONTINU

Publication

EP 3649665 B1 20210901 (EN)

Application

EP 17735530 A 20170705

Priority

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Abstract (en)

[origin: WO2019007505A1] The invention is directed towards a direct current circuit breaking device (20) as well as to a method and computer program product for controlling the device. The circuit breaking device (20) comprises a branch comprising a number of series-connected current diverting modules, each current diverting module comprising a non-linear resistor (SA1, SA2, SA3, SA4) in parallel with a corresponding power switch (S1, S2, S3, S4), where the power switches together form a main breaker (MB) operable to be opened for diverting a current through the main breaker to the non-linear resistors (SA1, SA2, SA3, SA4). The power switches (S1, S2, S3, S4) are controlled, upon the circuit breaking device being set to interrupt a current through the power line, to be blocked according to a sequential blocking scheme.

IPC 8 full level

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