

Title (en)

CURRENT BREAKING DEVICE FOR HIGH-DC-VOLTAGE ELECTRIC CURRENT, INSTALLATION COMPRISING SUCH A DEVICE, CONTROL METHOD AND PROCESS FOR EVALUATING THE INTEGRITY OF AN ELECTRICAL CONDUCTOR

Title (de)

STROMUNTERBRECHUNGSVORRICHTUNG FÜR ELEKTRISCHEN HOCHSPANNUNGSSTROM, ANLAGE MIT EINER SOLCHEN VORRICHTUNG, STEUERVERFAHREN UND VERFAHREN ZUR BEWERTUNG DER INTEGRITÄT EINES ELEKTRISCHEN LEITERS

Title (fr)

DISPOSITIF DE COUPURE DE COURANT POUR COURANT ÉLECTRIQUE SOUS HAUTE TENSION CONTINUE, INSTALLATION AVEC UN TEL DISPOSITIF, PROCÉDÉ DE PILOTAGE, ET PROCESSUS D'ÉVALUATION DE L'INTEGRITÉ D'UN CONDUCTEUR ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2022029379A2] The invention relates to a breaking device (28) for a high-DC-voltage current including, in succession, an isolating switch (48), a first primary point (44.1) and a first breaking module (40.1), characterized in that the breaking device (28) includes, between the first primary point (44.1) and ground (52), a precharge circuit (50) that has a precharge capacitor (54, 54.1), a precharge resistor (56) and a precharge switch (58), and in that the breaking device has at least: - one charging configuration (C_CH) for allowing the precharge capacitor to be charged; and - one precharging configuration (C_PCH) for allowing the precharge capacitor (54, 54.1) to be discharged into a conductor (12). The invention also relates to a method for controlling such a device and a process for evaluating the integrity of an electrical conductor.

IPC 8 full level

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