

Title (en)

METHOD FOR DISCHARGING AT LEAST ONE ELECTRICAL ENERGY STORAGE UNIT OF A CIRCUIT

Title (de)

VERFAHREN ZUM ENTLADEN WENIGSTENS EINES ELEKTRISCHEN ENERGIESPEICHERS EINER SCHALTUNG

Title (fr)

PROCÉDÉ DE DÉCHARGE D'AU MOINS UNE UNITÉ DE STOCKAGE D'ÉNERGIE ÉLECTRIQUE D'UN CIRCUIT

Publication

**EP 4292207 A1 20231220 (FR)**

Application

**EP 22705375 A 20220128**

Priority

- FR 2101330 A 20210211
- EP 2022051986 W 20220128

Abstract (en)

[origin: WO2022171457A1] Method for discharging at least one electrical energy storage unit of an electrical circuit, especially a capacitor, the electrical circuit further comprising: - a first switching system defining a DC/AC voltage converter and interposed between a first electrical sub-circuit to which the electrical energy storage unit belongs and the electrical winding of the stator of a rotary electric machine, - a second switching system defining a DC/DC voltage converter interposed between the first electrical sub-circuit and a second electrical sub-circuit, and - at least one electrical consumer belonging to the first electrical sub-circuit, in which method: - it is detected that the voltage across the terminals of the electrical energy storage unit exceeds a predefined threshold value, and - at least one of the first switching system, of the second switching system and of the electrical consumer are controlled so as to make the voltage across the terminals of the electrical energy storage unit decrease by making an additional current flow through the electrical stator winding, or through the second switching system, or through the electrical consumer.

IPC 8 full level

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CPC (source: EP US)

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