

Title (en)

METHOD FOR PRECHARGING A NETWORK SECTION

Title (de)

VERFAHREN ZUM VORLADEN EINES NETZABSCHNITTS

Title (fr)

PROCÉDÉ DESTINÉ À PRÉCHARGER UNE SECTION DE RÉSEAU

Publication

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Application

EP 19729680 A 20190603

Priority

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- EP 2019064312 W 20190603

Abstract (en)

[origin: WO2020156689A1] The invention relates to a method for precharging a second network section (31i) with electrical energy from a first network section (31a) of a DC network (100). In an initial state (t₀), an initial voltage (U_{2_t0}) prevailing in the second network section (31i) is lower than a DC voltage (UDC) prevailing in the first network section (31a). At a first point in time (t), the two network sections (31a, 31i) are connected via a resistor current path (2) having a precharging resistor (6). At a subsequent second point in time (t₂), as soon as the voltage (U₂) in the second network section (31i) is between the initial voltage (U_{2_t0}) and the DC voltage (UDC), the two network sections (31a, 31i) are connected via a semiconductor switch (1) which is situated parallel to the resistor current path (2) and is operated in a clocked mode or in a linear mode as a controllable resistor.

IPC 8 full level

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