

Title (en)

OPERATING A LOAD ZONE ON A POWER GRID

Title (de)

BETREIBEN EINER LASTZONE AN EINEM STROMNETZ

Title (fr)

FONCTIONNEMENT D'UNE ZONE DE CHARGE SUR UN RÉSEAU ÉLECTRIQUE

Publication

**EP 3895270 A1 20211020 (DE)**

Application

**EP 19727291 A 20190507**

Priority

- EP 19153437 A 20190124
- EP 2019061666 W 20190507

Abstract (en)

[origin: WO2020151840A1] The invention relates to a method and to a switch module for operating a load zone (3) on a power grid (5). According to the method, at least one load profile is captured and stored during setup operation of the load zone (3), which load profile documents a temporal progression of a load zone current or of a load zone voltage in a specified time window (T) after closing of the current path (20). Based on the at least one load profile, a tolerance range (33) for the temporal progression of at least one operating parameter (C) of the load zone (3) in the time window (T) is defined. During normal operation of the load zone (3), the temporal progression of the at least one operating parameter (C) in the time window (T) after closing the current path (20) is monitored and the load zone (3) is disconnected from the power grid (5) if the temporal progression of an operating parameter (C) in the time window (T) after closing the current path (20) is outside the tolerance range (33) thereof or leaves the tolerance range (33) thereof.

IPC 8 full level

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