

Title (en)

METHOD FOR OPERATING A LOCAL SUPPLY NETWORK BASED ON A CHARACTERISTIC CURVE, NETWORK CONTROL SYSTEM, COMPUTER PROGRAM AND ELECTRONICALLY READABLE DATA STORAGE MEDIUM

Title (de)

VERFAHREN ZUM BETREIBEN EINES DEZENTRALEN VERSORGUNGSNETZES IN ABHÄNGIGKEIT EINER KENNLINIE, NETZSTEUERUNGSSYSTEM, COMPUTERPROGRAMM SOWIE ELEKTRONISCH LESBARER DATENTRÄGER

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN RÉSEAU D'ALIMENTATION LOCAL SUR LA BASE D'UNE COURBE CARACTÉRISTIQUE, SYSTÈME DE COMMANDE DE RÉSEAU, PROGRAMME INFORMATIQUE ET SUPPORT DE STOCKAGE DE DONNÉES LISIBLE ÉLECTRONIQUEMENT

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Application

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Abstract (en)

[origin: WO2021047849A1] The invention relates to a method for operating a local supply network (10) by means of a network control system (12), in which the local supply network (10) is at least provided with a local power generating unit (16), an electrical load (18), an electrical power storage unit (20) and an electrical power distribution unit (22). At least one first network converter unit (24) of the electrical energy storage unit (20) is controlled based on a characteristic curve and depending on a voltage within the power distribution unit (22), the first network converter unit (24) being additionally controlled based on a characteristic curve and depending on a current state of charge (SOC) of the electrical power storage unit (20), so that in addition, depending on the state of charge, electrical power from the electrical power storage unit (20) is provided for the power distribution unit (22) or the electrical power storage unit (20) is charged with electrical power from the power distribution unit (22). The invention further relates to a network control system (12), a computer program and an electronically readable data storage medium.

IPC 8 full level

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