

Title (en)

DEVICE AND METHOD FOR CONTROLLING ENERGY FLOWS BETWEEN COMPONENTS OF AN ENERGY SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STEUERUNG VON ENERGIEFLÜSSEN ZWISCHEN KOMPONENTEN EINES ENERGIESYSTEMS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE COMMANDE DE FLUX D'ÉNERGIE ENTRE DES COMPOSANTS D'UN SYSTÈME D'ÉNERGIE

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Application

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Abstract (en)

[origin: WO2020114681A1] The invention relates to a device (1) for controlling energy flows between components (2, ..., 5) of an energy system, wherein the components (2, ..., 5) comprise at least one energy accumulator (4), and the device comprises at least one control device (42) for controlling the energy flows, wherein the energy flows can be calculated in advance for a time domain by the control device (42) using an optimisation method. According to the invention, the energy flows can be calculated and controlled by the control device (42) such that the charge state of the energy accumulator (4) at the end of the time domain is substantially equal to the charge state of the energy accumulator at the start of the time domain. The invention also relates to a method for controlling energy flows between components (2, ..., 5) of an energy system.

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