

Title (en)

METHOD FOR PROVIDING CONTROL POWER USING AN ENERGY STORAGE DEVICE TAKING ADVANTAGE OF THE TOLERANCES IN THE REQUIREMENTS OF PROVIDING CONTROL POWER

Title (de)

VERFAHREN ZUR BEREITSTELLUNG VON REGELLEISTUNG MIT EINEM ENERGIESPEICHER UNTER AUSNUTZUNG VON TOLERANZEN BEI DER LEISTUNGSERBRINGUNG

Title (fr)

PROCÉDÉ POUR FOURNIR UNE PUISSANCE DE RÉGULATION AU MOYEN D'UN ACCUMULATEUR D'ÉNERGIE EN METTANT À PROFIT DES TOLÉRANCES LORS DE LA FOURNITURE DE LA PUISSANCE

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Application

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Abstract (en)

[origin: WO2013068263A1] The invention relates to a method for providing control power for a power network, in which at least one energy store connected to the power network supplies energy to the power network as necessary and/or absorbs energy from the power network as necessary. According to the invention, the control power is provided as a function of a frequency deviation from a target value of a network frequency, wherein the tolerance with respect to the magnitude of the control power that is to be provided is used to adjust the charging state of the energy store simultaneously with the provision of the control power by the energy store. The invention also relates to a device for carrying out such a method, in which the device comprises a control and an energy store, wherein the device is or can be connected to a power network, the control is connected to the energy store and regulates the control power released by and/or absorbed by the energy store.

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