

Title (en)

METHOD FOR PROVIDING CONTROL POWER WITH AN ENERGY STORE USING TOLERANCES IN DETERMINING THE FREQUENCY DEVIATION

Title (de)

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

Title (fr)

PROCEDE POUR FOURNIR UNE PUISSANCE DE RÉGULATION AU MOYEN D'UN ACCUMULATEUR D'ÉNERGIE EN METTANT A PROFIT DES TOLERANCES LORS DE LA DÉTERMINATION DE L'ÉCART DE FRÉQUENCE

Publication

**EP 2777122 A1 20140917 (DE)**

Application

**EP 12781074 A 20121029**

Priority

- DE 102011055229 A 20111110
- EP 2012071342 W 20121029

Abstract (en)

[origin: WO2013068256A1] 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 generated as a function of a frequency deviation from a target value of a network frequency, wherein the tolerance with respect to the frequency deviation is used in order 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.

IPC 8 full level

**H02J 3/32** (2006.01)

CPC (source: EP US)

**H02J 3/241** (2020.01 - EP US); **H02J 3/32** (2013.01 - EP US); **H02J 7/00** (2013.01 - US); **H02J 7/0013** (2013.01 - US); **H02K 5/10** (2013.01 - US); **H05K 5/068** (2013.01 - US)

Citation (search report)

See references of WO 2013068256A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102011055229 A1 20130516**; EP 2777122 A1 20140917; US 2014327404 A1 20141106; US 9667071 B2 20170530; WO 2013068256 A1 20130516

DOCDB simple family (application)

**DE 102011055229 A 20111110**; EP 12781074 A 20121029; EP 2012071342 W 20121029; US 201214357313 A 20121029