

Title (en)

A SYSTEM AND METHOD FOR BALANCING ENERGY STORAGE DEVICES

Title (de)

SYSTEM UND VERFAHREN ZUM AUSGLEICHEN VON ENERGIESPEICHERVORRICHTUNGEN

Title (fr)

SYSTÈME ET PROCÉDÉ D'ÉQUILIBRAGE DE DISPOSITIFS DE STOCKAGE D'ÉNERGIE

Publication

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Application

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Abstract (en)

[origin: WO2012143396A1] The present invention is directed to a method for balancing a series connection of energy storage devices comprising: - measuring, calculating or learning an unbalance parameter in a series connection of energy storage devices, - determining a type, and/or a status, and/or a value and/or a deviation of the unbalance parameter, and - restricting, generating or adapting an energy flow in, over, or to the series connection of energy storage devices. The present invention is further directed to a system for balancing a series connection of energy storage devices comprising: - a means for determining a measured, calculated or learned unbalance parameter in a series connection of energy storage devices, - a means for determining a type, and/or a status, and/or a value and/or a deviation of the unbalance parameter, and - a means for restricting, generating or adapting an energy flow in, over, or to the series connection of energy storage devices. The invention is also directed to the use of the above system or method for balancing a series connection of electric double-layer capacitors, lithium capacitors, electrochemical battery devices and battery packs, and lithium battery devices like lithium-polymer and lithium-ion battery devices, and blended combinations thereof.

IPC 8 full level

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Citation (search report)

See references of WO 2012143396A1

Citation (examination)

US 2010109610 A1 20100506 - HOULDSWORTH JOHN [US], et al

Cited by

US10587126B2

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