Title (en)

METHOD FOR RECEIVING POWER PRODUCED BY GENERATOR, GENERATING ALTERNATING VOLTAGE AND A SYSTEM FOR IMPLEMENTING THE METHOD

Title (de)

VERFAHREN ZUR AUFNAHME VON GENERATORISCH ERZEUGTER LEISTUNG, ERZEUGUNG VON WECHSELSPANNUNG UND SYSTEM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE RÉCEPTION D'ÉNERGIE PRODUITE PAR UN GÉNÉRATEUR, DE GÉNÉRATION D'UNE TENSION ALTERNATIVE ET SYSTÈME DE MISE EN OEUVRE DUDIT PROCÉDÉ

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Application

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Abstract (en)

[origin: WO2017204668A1] A method for receiving power generated by the generator, generating AC voltage in the system comprising DC converter, incorporation of the converter into a power supply of a size adjusted to the power of the receiver, monitoring of the generator speed and tracking of the maximum power point of the generator in the feedback loop implemented in the electronic system characterized in that the feedback is realized inside the converter so that the converter input registers the voltage change as the difference between the actual voltage and the last threshold voltage, wherein in the event of a voltage drop, the converter controller is temporarily deactivated, and then after the system has stabilized, the converter controller is reactivated if the generator frequency is increased and/or the power consumption increased from the generator. Then the converter controller is reduced to a specified value preferably for the output of the generator from the overload condition, and then the converter controller is loaded until the voltage drop again. The object of the invention is a system for implementing this method.

IPC 8 full level

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CPC (source: EP)

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